



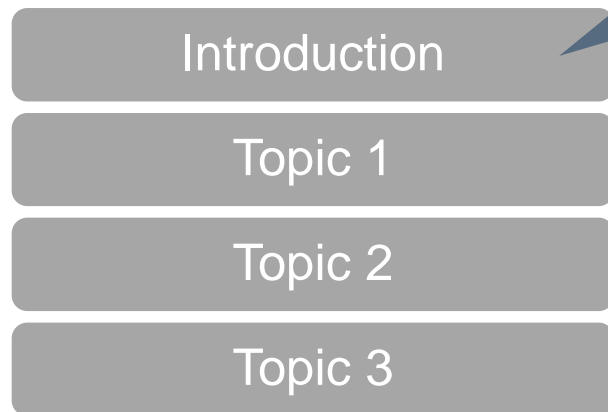
HORIZONT

XINFO - Getting Started - Dialog Windows

How to use XINFO Windows PC Client

How to use this file

This training should be done in sequential order. It helps you to understand the basic ideas of XINFO. But the best way to learn about XINFO: Just use it!



If you don't like to use this training in sequential order:
An index before each chapter allows you to navigate ...

Click on this symbol
to jump to the
overview slide

AGENDA

XINFO - Getting Started - Dialog Windows

How to use XINFO

Chapter 1

What is XINFO

A brief introduction and a technical overview to XINFO

Chapter 2

PC Client Basics

ISPF Dialog Basics (via link to HORIZONT homepage)

Learn about the XINFO client you prefer to use

Chapter 3

XINFO Modules (via link to HORIZONT homepage)

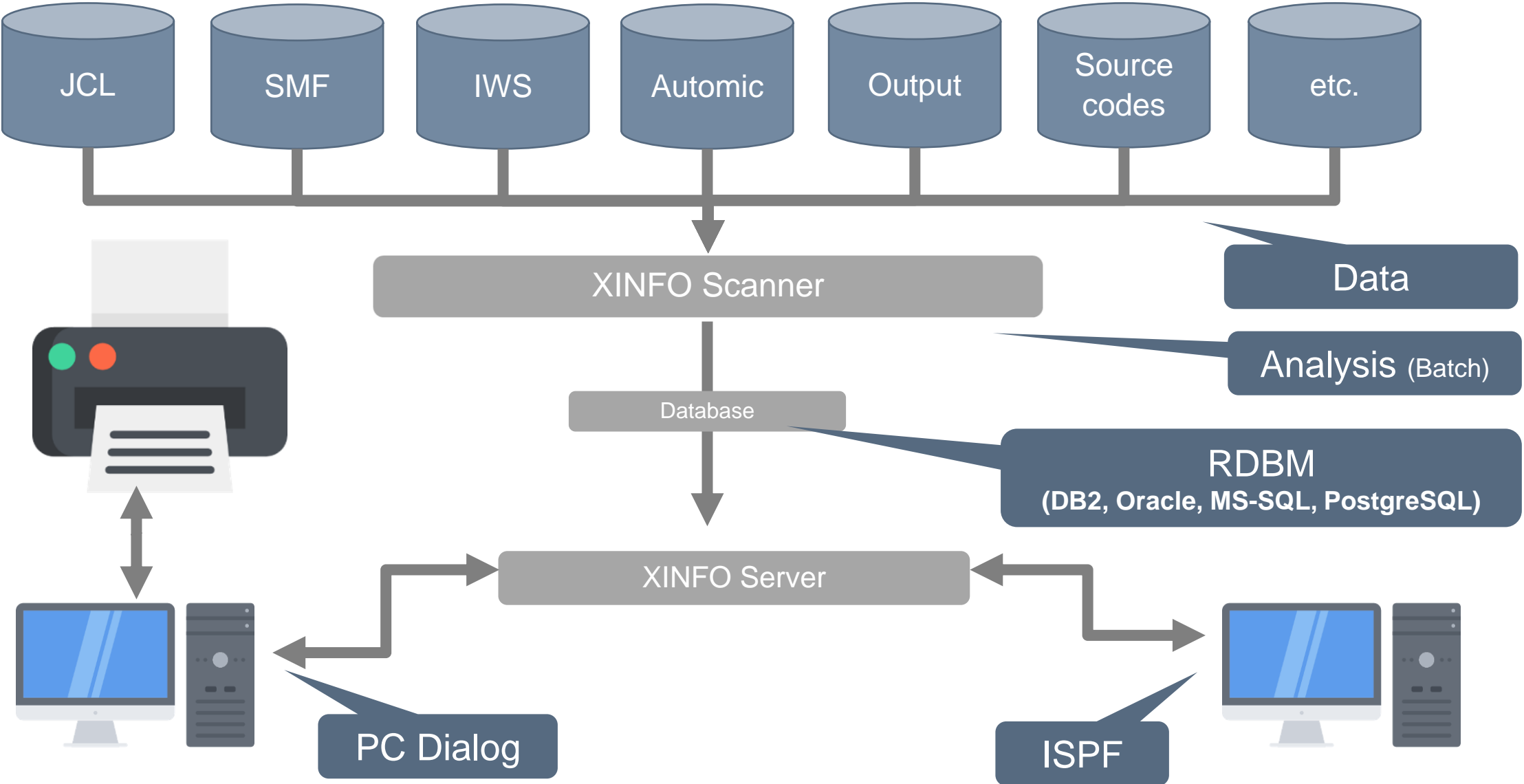
How to access data from different sources like Schedulers, JCL, DB2, SMF etc.

What is XINFO?

XINFO is a complete cross reference for various IT systems.

- XINFO analyses JCL, DB2, IMS, SMF, IWS z/OS, RMM, Cobol, PL1, DLI, Control-M, Control-D, CA-7, CA-1, CA-Delivery, CA-Scheduler, Zeke, Beta93 and more
- XINFO loads result of analysis into DB2, Oracle, MS-SQL or PostgreSQL
- XINFO has an integrated Windows or ISPF dialog
- XINFO has powerful graphic functions

A Technical Overview



What is XINFO good for?

XINFO enables you to answer questions like:

- Which jobs use file A.B.C?
- Which jobs use program PGM1?
- When was file A.B.C used in which jobs?
- Which DB2 or IMS databases are used in which jobs?
- Which job successors has job ABC?
- Which jobs were active last Monday at 3.30?
- Which Source use COPY member ABC?
- Which programs are calling sub program XYZ?
- and much more ...

PC Client - Basic Functions

Logon

Display List

Select Display

Selection Panel

Table Display

Sort Column

Line Commands

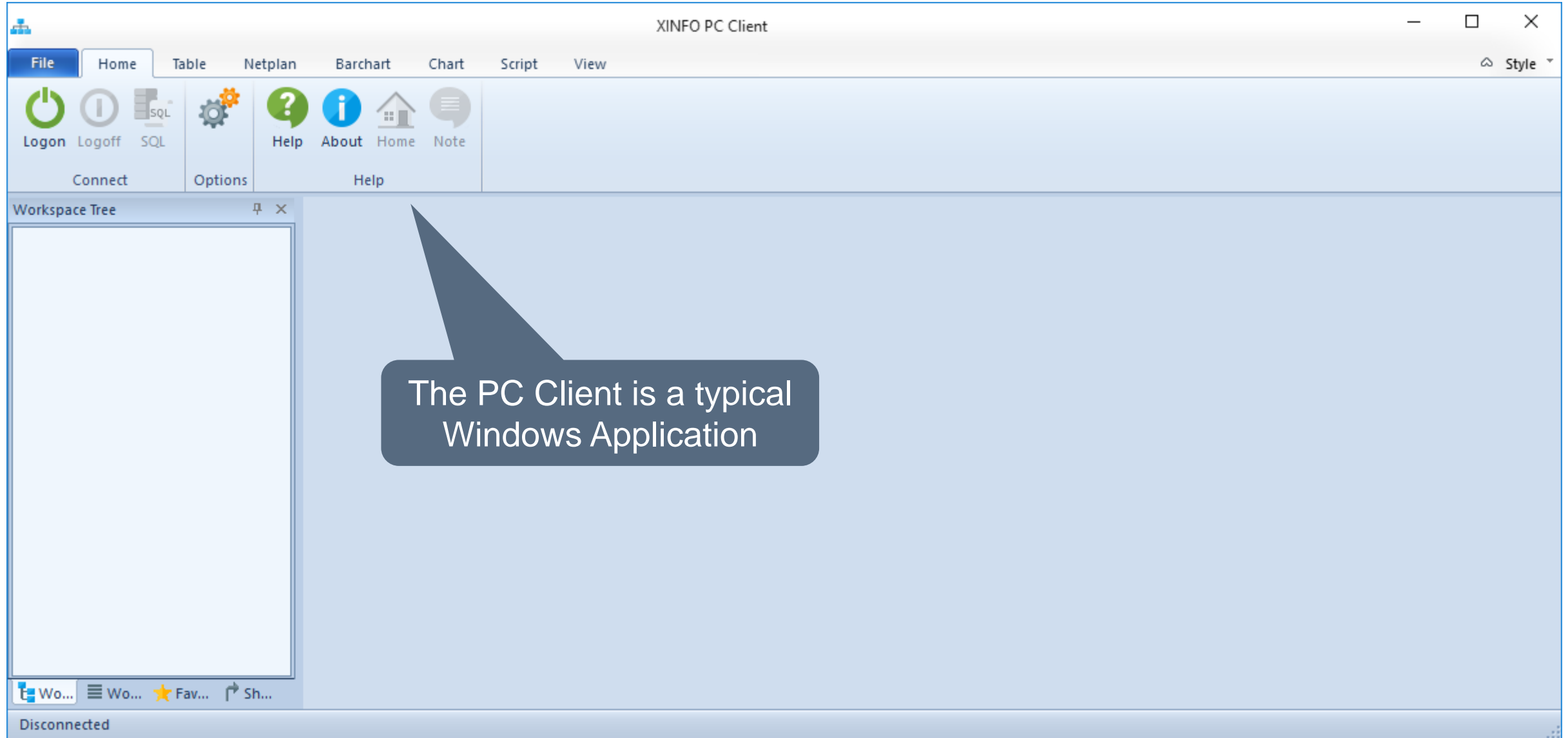
Search - Option 99

Search

Graphics

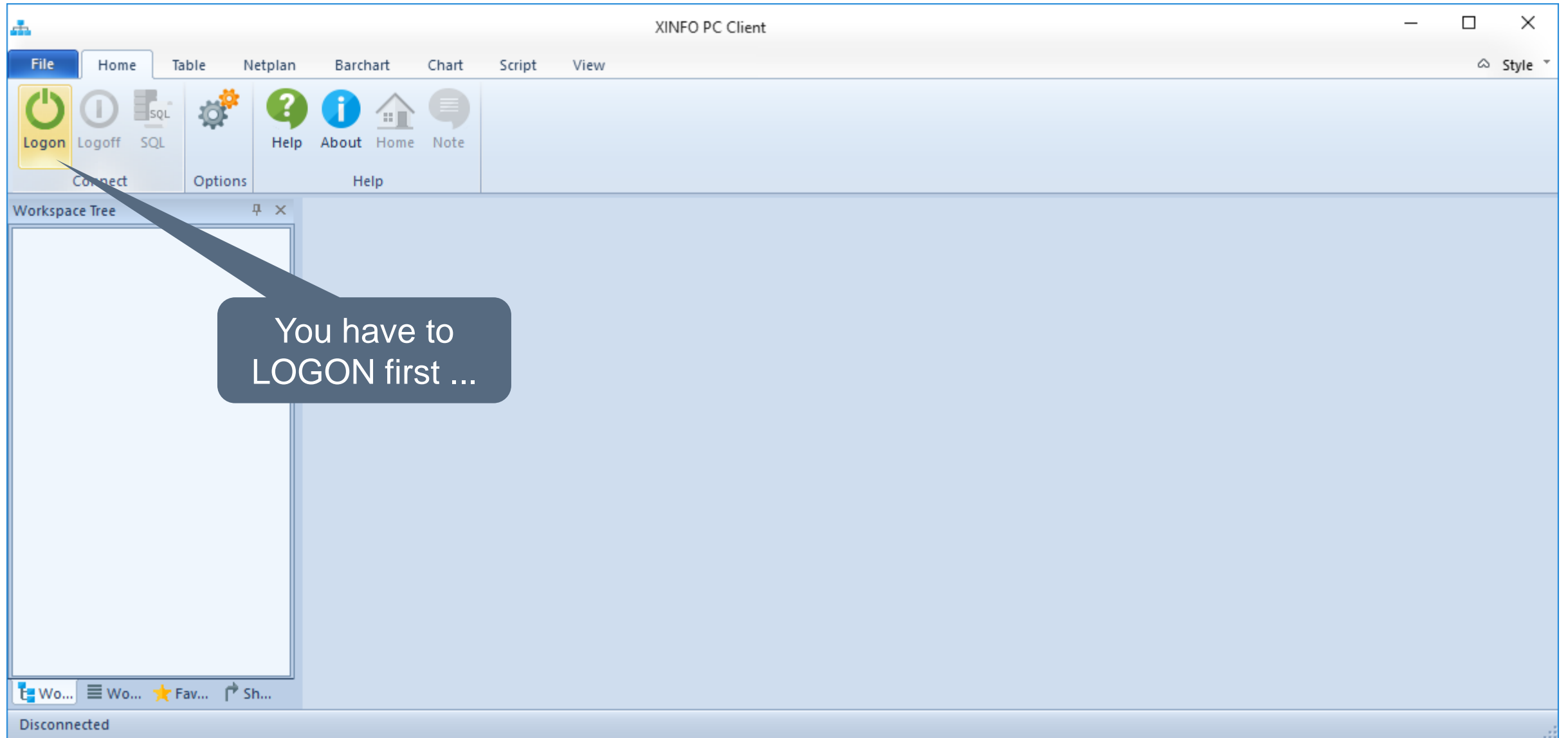
More client functions...

PC Client - Main Windows



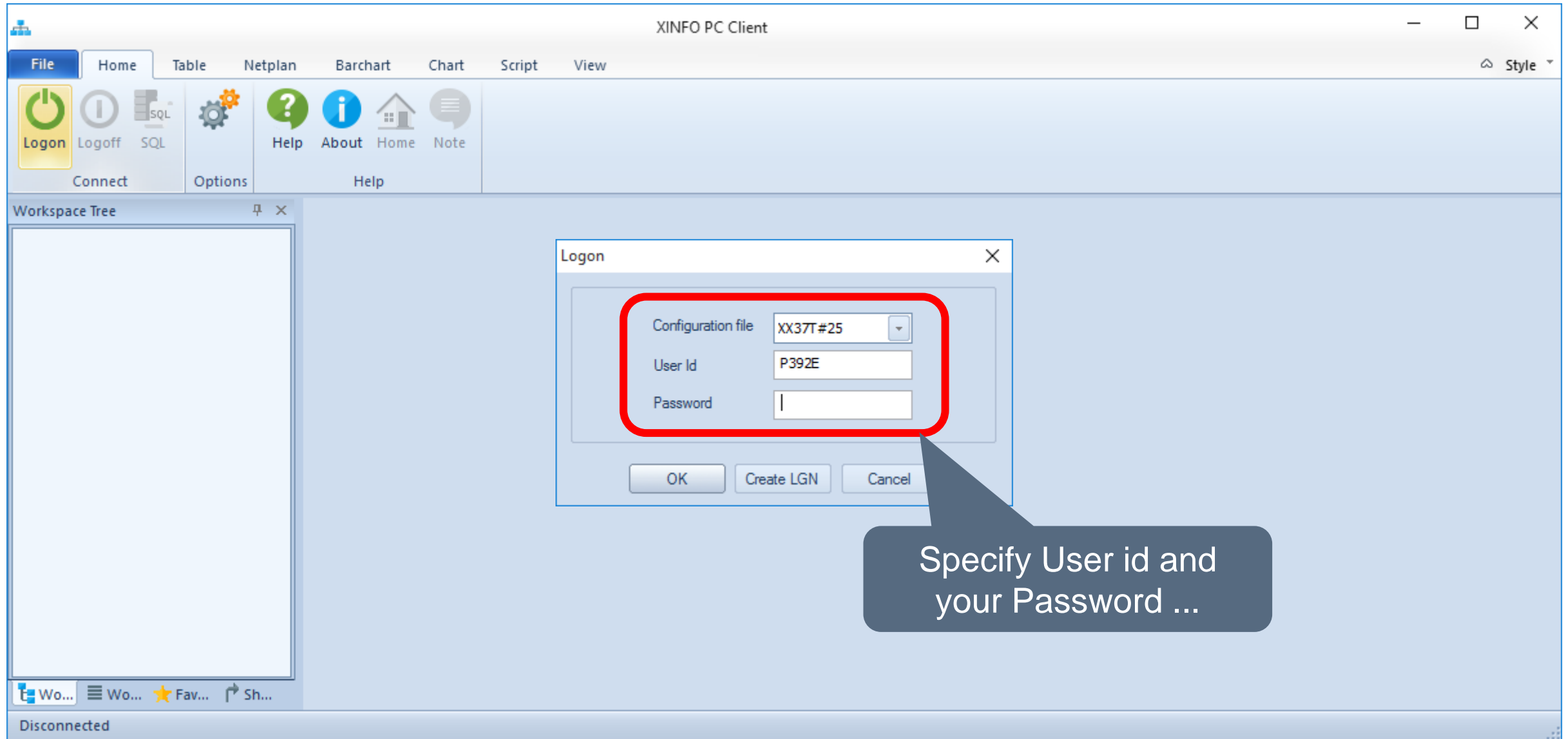
The PC Client is a typical Windows Application

PC Client - Logon



You have to
LOGON first ...

PC Client - Logon



Specify User id and
your Password ...

PC Client - Logon

The screenshot shows the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The toolbar contains icons for "Logon", "Logoff", "SQL", "Options", "Help", "About", "Home", and "Note". A "Workspace Tree" panel is visible on the left. A "Logon" dialog box is open in the center, featuring a "Configuration file" dropdown menu with a list of options: "XX35D#14", "XX35T#14", "XX36D#14", "XX36T#14", "XX36T#25", "XX37M#14", "XX37T#135", "XX37T#14", and "XX37T#25". The "XX37T#25" option is selected and highlighted. Below the dialog box, there are "OK" and "Create" buttons. A dark blue callout box at the bottom of the dialog area contains the text: "... and select the desired configuration. (ask your Administrator if more than one configuration is shown in the list)". The status bar at the bottom left of the application window shows "Disconnected".

... and select the desired configuration.
(ask your Administrator if more than one
configuration is shown in the list)

PC Client - Display List

The screenshot displays the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The toolbar contains icons for "Logon", "Logoff", "SQL", "Options", "Help", "About", "Home", and "Note". A "Workspace Tree" panel on the left is highlighted with a red border and contains a list of folders: Scheduler, JCL, DB2, CICS, IMS, SMF, Space, PO, Output, Programs, Source, XINFO, Universal, IT-Charts, and Tabellen IT Charts. A callout box with a pointer to the tree contains the text: "The Displays listed in a Workspace Tree!". The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25".

The Displays listed in a Workspace Tree!

PC Client - Display List

The screenshot shows the XINFO PC Client interface. The main window has a menu bar with 'File', 'Home', 'Table', 'Netplan', 'Barchart', 'Chart', 'Script', and 'View'. Below the menu bar is a toolbar with icons for Logon, Logoff, SQL, Connect, Options, Help, About, Home, and Note. The 'Workspace List' dialog box is open on the left side, listing various JCL-related items. A red border highlights the dialog box. A callout bubble points to the list with the text 'The Displays listed in a Workspace List!'.

Workspace List

- JCL - COMMAND Statements
- JCL - Comment Cards
- JCL - Control-M Variables
- JCL - Data Flowchart
- JCL - DSN
- JCL - DSN + SUBSYS
- JCL - EXEC Statements
- JCL - Explorer
- JCL - EXPORTed JCL Symbols
- JCL - HFS (PATH)
- JCL - IF Statements
- JCL - JCLLIB-Statements
- JCL - JES Statements
- JCL - JOB Statements
- JCL - Job/Data Flowchart
- JCL - Jobs with OPC Variables
- JCL - Member Statistics

The Displays listed in a Workspace List!

Connected as: P392E, file: XX37T#25

PC Client - Favourites List

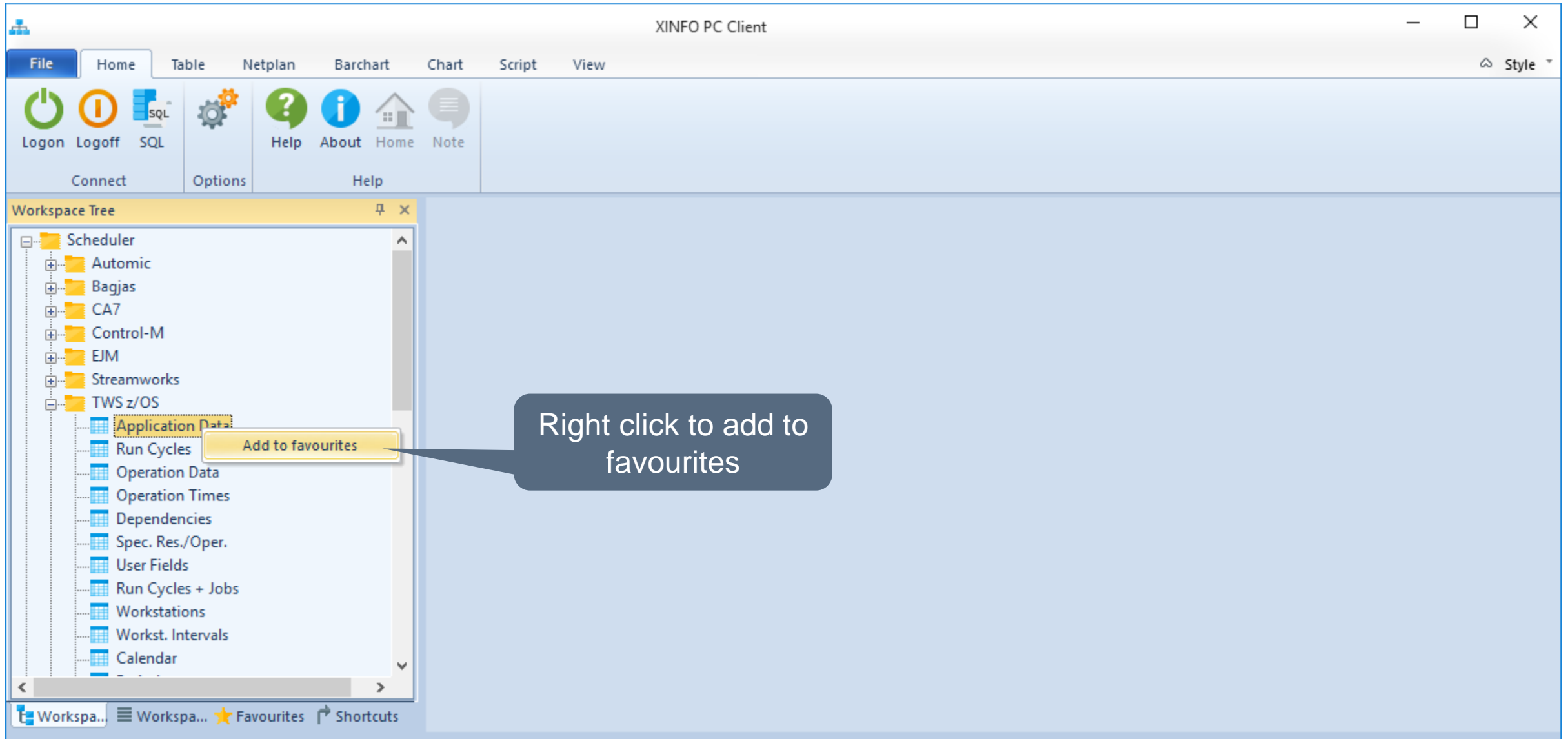
The screenshot shows the XINFO PC Client interface. The main window has a menu bar with 'File', 'Home', 'Table', 'Netplan', 'Barchart', 'Chart', 'Script', and 'View'. Below the menu bar is a toolbar with icons for Logon, Logoff, SQL, Connect, Options, Help, About, Home, and Note. A 'Favourites' dialog box is open, listing several saved displays:

- JCL - EXEC Statements
- JCL - JOB Statements
- Scheduler - Automic - Graphics - Netplan
- Scheduler - Control-M - Job Definitions
- Scheduler - Control-M - Job Netplan
- Scheduler - TWS z/OS - Job Netplan
- SMF - Jobruntime Barchart

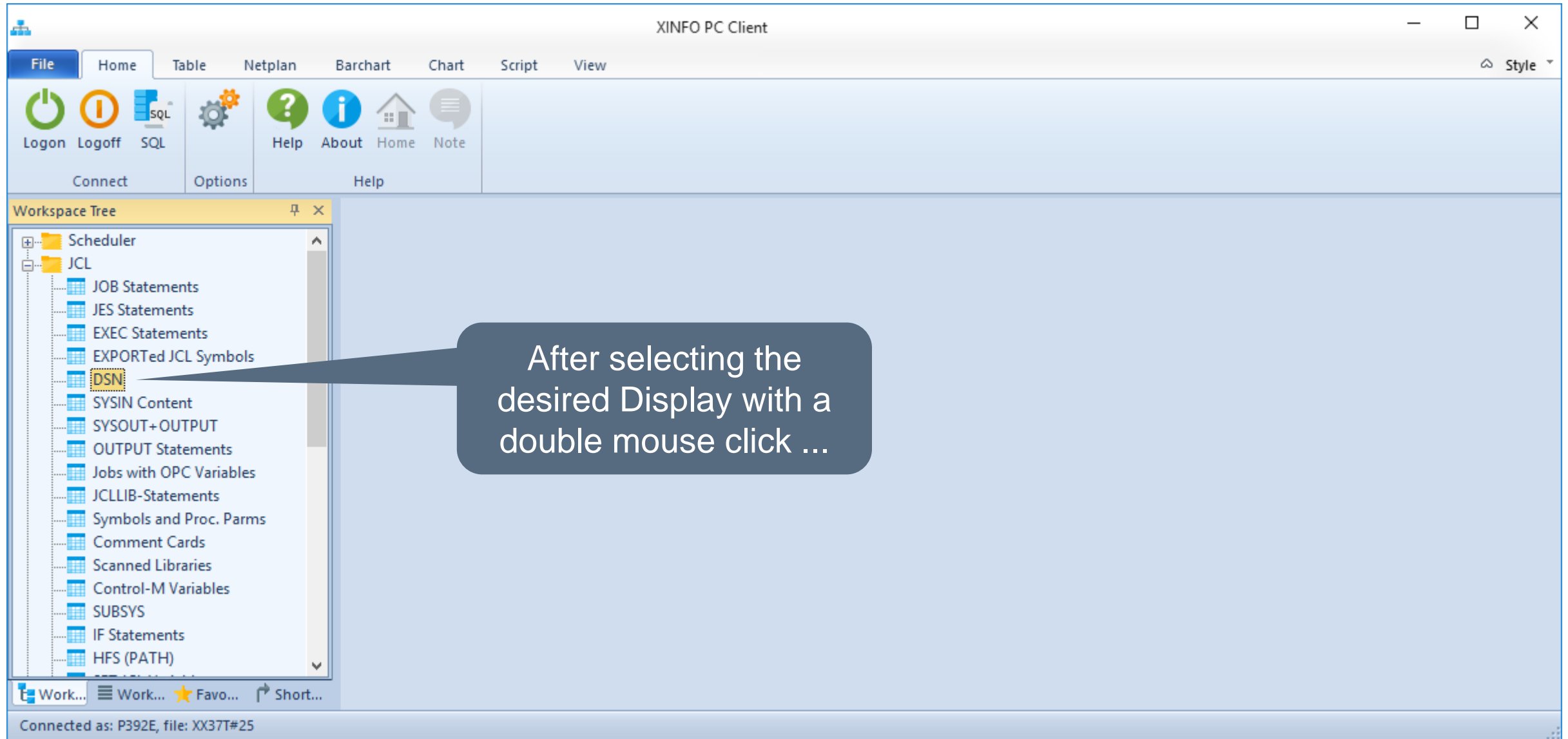
A red rectangular box highlights the 'Favourites' list. A dark blue callout bubble with white text points to the list, containing the text: "Favour your most frequently used displays".

At the bottom of the main window, there are tabs for 'Work...', 'Work...', 'Favo...', and 'Short...'. The status bar at the very bottom indicates 'Connected as: P392E, file: XX37T#25'.

PC Client - Favourites List



PC Client - Select Display



The screenshot shows the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The toolbar contains icons for Logon, Logoff, SQL, Connect, Options, Help, About, Home, and Note. The main workspace is divided into a "Workspace Tree" on the left and a large empty area on the right. The "Workspace Tree" is expanded to show the "JCL" folder, which contains several sub-items. The "DSN" item is highlighted with a yellow border. A dark blue callout box with white text points to the "DSN" item, containing the text: "After selecting the desired Display with a double mouse click ...". The status bar at the bottom left shows "Connected as: P392E, file: XX37T#25".

After selecting the desired Display with a double mouse click ...

PC Client - Selection Panel

JCL - DSN

| | | | |
|--------------------|---|---|--|
| Jobname | = | ▼ | |
| Stepnumber | = | ▼ | |
| Programname | = | ▼ | |
| DD-Name | = | ▼ | |
| Concat-Number | = | ▼ | |
| Dataset Name | = | ▼ | |
| Member/Generation | = | ▼ | |
| Disposition | = | ▼ | |
| Called Procedure | = | ▼ | |
| Proclib (called) | = | ▼ | |
| LRECL | = | ▼ | |
| BLKSIZE | = | ▼ | |
| RECFM | = | ▼ | |
| DSORG | = | ▼ | |
| KEYLEN | = | ▼ | |
| DCB (Rest) | = | ▼ | |
| EXPDT | = | ▼ | |
| RETPD | = | ▼ | |
| UNIT | = | ▼ | |
| SPACE | = | ▼ | |
| VOLSER 1 | = | ▼ | |
| VOLSER 2 | = | ▼ | |
| Num of VOLSER | = | ▼ | |
| VOLUME (as in JCL) | = | ▼ | |
| DATACLAS | = | ▼ | |
| MGMTCLAS | = | ▼ | |
| STORCLAS | = | ▼ | |
| ACCODE | = | ▼ | |
| AMP | = | ▼ | |
| AVGREC | = | ▼ | |
| BLKSZLIM | = | ▼ | |
| CCSID | = | ▼ | |
| QUIPT | = | ▼ | |

... you get a selection panel (which is very similar to the ISPF panel)

OK Actions Cancel

PC Client - Selection Panel

The screenshot shows a dialog box titled "JCL - DSN" with a close button (X) in the top right corner. The dialog is divided into two main sections. The left section contains fields for Jobname, Stepnumber, Programname, DD-Name, Concat-Number, Dataset Name, Member/Generation, Disposition, and DCB (Rest). The right section contains fields for SPACE, VOLSER 1, VOLSER 2, Num of VOLSER, VOLUME (as in JCL), DATACLAS, MGMTCLAS, STORCLAS, ACCODE, AMP, AVGREC, BLKSZLIM, CCSID, and CUMPT. The "Dataset Name" field is highlighted with a red rectangle and contains the text "*XINFO*". A speech bubble points to this field with the text "... enter selection criteria ...". Another speech bubble points to the "=" operator in the "Dataset Name" field with the text "... specify operators ...". At the bottom of the dialog, there are three buttons: "OK", "Actions", and "Cancel". The "OK" button is highlighted with a red rectangle, and a speech bubble points to it with the text "... and start the query".

| | | |
|-------------------|---|---------|
| Jobname | = | |
| Stepnumber | = | |
| Programname | = | |
| DD-Name | = | |
| Concat-Number | = | |
| Dataset Name | = | *XINFO* |
| Member/Generation | = | |
| Disposition | = | |
| DCB (Rest) | = | |

| | | |
|--------------------|---|--|
| SPACE | = | |
| VOLSER 1 | = | |
| VOLSER 2 | = | |
| Num of VOLSER | = | |
| VOLUME (as in JCL) | = | |
| DATACLAS | = | |
| MGMTCLAS | = | |
| STORCLAS | = | |
| ACCODE | = | |
| AMP | = | |
| AVGREC | = | |
| BLKSZLIM | = | |
| CCSID | = | |
| CUMPT | = | |

PC Client - Table Display

Columns with Job name, Step number, Program name, DD name, Concat number, etc.

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem/Gen. |
|----------|-----|---------|---------|-----|--|-------|------------------|------|----------|
| DB2C | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | | | |
| DB2C | 2 | DSN8BD3 | REPORT | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | TRK,(10,10),RLSE | | |
| DB2COB2 | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | | | |
| DB2COB2 | 2 | DSN8BC3 | REPORT | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | TRK,(10,10),RLSE | | |
| DB2COB2# | 1 | DSN8BC3 | REPORT | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | TRK,(10,10),RLSE | | |
| DB2COB2T | 1 | IDCAMS | SYSIN | 0 | P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1 | | | | |
| DB2COB2T | 2 | DSN8BC3 | REPORT | 0 | P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1 | | TRK,(10,10),RLSE | | |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | | | |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP2.REPORT | | | | |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP3.REPORT | | | | |
| DB2COMP | 2 | ISRSUPC | NEWDD | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | | | |
| DB2COMP | 2 | ISRSUPC | OLDDD | 0 | SYSH.XINFO.V3R5.DATA.DB2PL12.REPORT | | | | |
| DB2COMP | 2 | ISRSUPC | OUTDD | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | | | |
| DB2COMP | 3 | ISRSUPC | NEWDD | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | | | |
| DB2COMP | 3 | ISRSUPC | OLDDD | 0 | SYSH.XINFO.V3R5.DATA.DB2PL12.REPORT | | | | |
| DB2COMP | 3 | ISRSUPC | OUTDD | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP2.REPORT | | | | |
| DB2COMP | 4 | ISRSUPC | NEWDD | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | | | |
| DB2COMP | 4 | ISRSUPC | OLDDD | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | | | |

... and get the result of your query in a table display

Connected as: P392E, file: XX37T#25

Lines: 5000

PC Client - Selection Panel

The screenshot shows the 'JCL - EXEC Statements' dialog window. The 'Programname' field is highlighted with a red box and contains the text 'XXR*'. A callout bubble points to this field with the text 'Search for program names with XXR* and ...'. The 'PARAM' field is also highlighted with a red box and contains the text '*MSGLEVEL=1*'. A callout bubble points to this field with the text '... in program parameter with "MSGLEVEL=1", no matter at which position'. To the right of the dialog, there is a dark blue rounded rectangle containing the text 'Another example with JCL - EXEC data'. The dialog window itself has a list of fields on the left and a list of parameters on the right, each with a dropdown menu and a text input field. The parameters listed on the right include COND, ACCT, ADDRSPC, CCSID, DPRTY, DYNAMNBR, MEMLIMIT, PERFORM, RD (Restart Def.), RLSTMOUT, PARMDD, JCL-Lib, and Member. At the bottom of the dialog are buttons for 'OK', 'Actions', and 'Cancel'.

Another example with JCL - EXEC data

Search for program names with XXR* and ...

... in program parameter with "MSGLEVEL=1", no matter at which position

PC Client - Selection Panel

The screenshot shows the 'JCL - DSN' Selection Panel dialog box. The 'Programname' field is set to 'XXR*' and the 'LRECL' field is set to '> 80'. Callouts explain that the search is for program names with 'XXR*' and that the comparison operator 'GT' (greater than) is selected for LRECL.

Search for all program names with XXR* and ...

Another example with JCL - DSN data

... with LRECL greater as 80.

Comparison operator GT (greater than) can be selected by clicking on the arrow.

Fields visible in the dialog include: Jobname, Steppnumber, Programname, DD-Name, Concat-Number, Dataset Name, Member/Generation, Disposition, Called Procedure, PmcLib (called), LRECL, BLKSIZE, RECFM, DSORG, EXPDT, RETPD, UNIT, SPACE, DATACLAS, MGMTCLAS, STORCLAS, ACCODE, AMP, AVGREC, BLKSZLIM, CCSID, and CUVDT. Buttons for OK, Actions, and Cancel are at the bottom.

PC Client - Output Display

XINFO PC Client - JCL - DSN

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Chart

Workspace Tree

- Scheduler
 - JCL
 - JOB Statements
 - JES Statements
 - EXEC Statements
 - EXPORTed JCL Symbols
 - DSN**
 - SYSIN Content
 - SYSOUT+OUTPUT
 - OUTPUT Statements
 - Jobs with OPC Variables
 - JCLLIB-Statements
 - Symbols and Proc. ParmS
 - Comment Cards
 - Scanned Libraries
 - Control-M Variables
 - SUBSYS
 - IF Statements
 - HFS (PATH)

JCL - DSN

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem./Gen. | D |
|----------|-----|---------|---------|-----|--|-------|------------------|------|-----------|---|
| DB2C | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | | | | O |
| DB2C | 2 | DSN8BD3 | REPORT | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | TRK,(10,10),RLSE | | | N |
| DB2COB2 | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | | | | O |
| DB2COB2 | 2 | DSN8BC3 | REPORT | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | TRK,(10,10),RLSE | | | N |
| DB2COB2# | 1 | DSN8BC3 | REPORT | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | TRK,(10,10),RLSE | | | N |
| DB2COB2T | 1 | IDCAMS | SYSIN | 0 | P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1 | | | | | O |
| DB2COB2T | 2 | DSN8BC3 | REPORT | 0 | P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1 | | TRK,(10,10),RLSE | | | N |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | | | | O |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP2.REPORT | | | | | O |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP3.REPORT | | | | | O |
| DB2COMP | 2 | ISRSUPC | NEWDD | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | | | | S |
| DB2COMP | 2 | ISRSUPC | OLDDD | 0 | SYSH.XINFO.V3R5.DATA.DB2PL12.REPORT | | | | | S |
| DB2COMP | 2 | ISRSUPC | OUTDD | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | TRK,(10,10),RLSE | | | N |
| DB2COMP | 3 | ISRSUPC | NEWDD | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | | | | S |
| DB2COMP | 3 | ISRSUPC | OLDDD | 0 | SYSH.XINFO.V3R5.DATA.DB2PL12.REPORT | | | | | S |
| DB2COMP | 3 | ISRSUPC | OUTDD | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP2.REPORT | | TRK,(10,10),RLSE | | | N |
| DB2COMP | 4 | ISRSUPC | NEWDD | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | | | | S |
| DB2COMP | 4 | ISRSUPC | OLDDD | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | | | | S |

Work... Work... Favo... Short...

Connected as: P392E, file: XX37T#25

Lines: 5000

PC Client - Output Display

The screenshot shows the PC Client interface. On the left is the 'Workspace Tree' with a tree view containing folders like 'Scheduler' and 'JCL', and sub-items like 'JOB Statements', 'JES Statements', etc. The 'DSN' item is highlighted. The main area is the 'Details' dialog window, which displays a table of job parameters. A callout bubble points to a line in the table with the text 'Double click on a line to display the data row ...'. On the right is a data table with columns 'UNIT', 'Mem./Gen.', and 'D'. The table shows a vertical sequence of characters: O, N, O, N, N, O, N, O, O, O, S, S, S, N, S, S, N, S, S.

| Name | Value |
|--------------------|------------------------------|
| Jobname | XXRJUP |
| Stepnumber | 1 |
| Programname | IDCAMS |
| DD-Name | SYSIN |
| Concat-Number | 0 |
| Dataset Name | SYSH.XINFO.V3R6.DATA.XXRT7ID |
| Member/Generation | |
| Disposition | ODD |
| Called Procedure | XXRJUNC |
| Proclib (called) | SYSH.XINFO.V3R6.PROCLIB |
| LRECL | |
| BLKSIZE | |
| RECFM | |
| DSORG | |
| KEYLEN | |
| DCB (Rest) | |
| EXPDT | |
| RETPD | |
| UNIT | |
| SPACE | |
| VOLSER 1 | |
| VOLSER 2 | |
| Num of VOLSER | |
| VOLUME (as in JCL) | |
| DATACLAS | |
| MGMTCLAS | |
| STORCLAS | |
| ACCODE | |
| AMP | |

Double click on a line to display the data row ...

| UNIT | Mem./Gen. | D |
|-------|-----------|---|
| <all> | <all> | O |
| | | N |
| | | O |
| | | N |
| | | N |
| | | O |
| | | N |
| | | O |
| | | O |
| | | O |
| | | S |
| | | S |
| | | S |
| | | N |
| | | S |
| | | S |
| | | N |
| | | S |
| | | S |
| | | S |

OK Copy Print... Save As...

Lines: 5000

PC Client - Output Panel

XINFO PC Client - JCL - EXEC Statements

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Show criteria Inverse Filter Tools New Library Explorer Chart

Another example with JCL - EXEC data

JCL - EXEC Statements

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | CallingP | PLg | Prg-Orig | PARAM | REGION | TIME |
|----------|-----|------|---------|----------|----------|---|---------|-------------------------|----------|-----|----------|---|--------|------|
| XXRJJOI | 3 | PROC | | | XXRJSORT | Y | SORT2 | SYSH.XINFO.V3R7.PROCLIB | | | | | | |
| XXRJJOI | 3 | PGM | SORT | SORT | XXRJSORT | | SORT2 | SYSH.XINFO.V3R7.PROCLIB | | | SORT | | 32768 | |
| XXRJJOI | 4 | PGM | XXRIJOI | | | | XXRIJOI | | | | XXRIJOI | 'RPTOPT(OFF);/MSGLEVEL=1,SORTED=Y,VERSION=37' | 32768 | |
| XXRJJOI | 5 | PROC | | | XXRJSORT | Y | SORT3 | SYSH.XINFO.V3R7.PROCLIB | | | | | | |
| XXRJJOI | 5 | PGM | SORT | SORT | XXRJSORT | | SORT3 | SYSH.XINFO.V3R7.PROCLIB | | | SORT | | 32768 | |
| XXRJJUP | 1 | PROC | | | XXRJUNC | Y | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | | | | |
| XXRJJUP | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' | | |
| XXRJJUP | 2 | PGM | JUPIPO | | | | JUPIPO | | | | JUPIPO | 'RPTOPT(OFF);/' | 65536 | |
| XXRJJUP | 3 | PROC | | | XXRJSORT | Y | SORT1 | SYSH.XINFO.V3R6.PROCLIB | | | | | | |
| XXRJJUP | 3 | PGM | SORT | SORT | XXRJSORT | | SORT1 | SYSH.XINFO.V3R6.PROCLIB | | | SORT | | 32768 | |
| XXRJJUP | 4 | PROC | | | XXRJSORT | Y | COPYLSO | SYSH.XINFO.V3R6.PROCLIB | | | | | | |
| XXRJJUP | 4 | PGM | SORT | SORT | XXRJSORT | | COPYLSO | SYSH.XINFO.V3R6.PROCLIB | | | SORT | | 32768 | |
| XXRJJUP | 1 | PROC | | | XXRJUNC | N | DELETE | | | | | | | |
| XXRJJUP | 2 | PGM | JUPIPO | | | | JUPIPO | | | | JUPIPO | 'RPTOPT(OFF);/' | 65536 | |
| XXRJJUP | 3 | PROC | | | XXRJSORT | N | SORT1 | | | | | | | |
| XXRJJUP | 4 | PROC | | | XXRJSORT | N | COPYLSO | | | | | | | |
| XXRJJUPD | 1 | PROC | | | XXRJUNC | Y | DELETE | SYSH.XINFO.V3R7.PROCLIB | | | | | | |
| XXRJJUPD | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R7.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' | | |
| XXRJJUPM | 1 | PROC | | | XXRJUNC | Y | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | | | | |
| XXRJJUPM | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' | | |

PC Client - Output Panel

The screenshot displays the 'Details' dialog box for a job. The dialog contains a table with the following data:

| Name | Value |
|--------------------|------------------------------|
| Jobname | XXRJUP |
| Stepnumber | 1 |
| Programname | IDCAMS |
| DD-Name | SYSIN |
| Concat-Number | 0 |
| Dataset Name | SYSH.XINFO.V3R6.DATA.XXRT7ID |
| Member/Generation | |
| Disposition | ODD |
| Called Procedure | XXRJUNC |
| Proclib (called) | SYSH.XINFO.V3R6.PROCLIB |
| LRECL | |
| BLKSIZE | |
| RECFM | |
| DSORG | |
| KEYLEN | |
| DCB (Rest) | |
| EXPDT | |
| RETPD | |
| UNIT | |
| SPACE | |
| VOLSER 1 | |
| VOLSER 2 | |
| Num of VOLSER | |
| VOLUME (as in JCL) | |
| DATACLAS | |
| MGMTCLAS | |
| STORCLAS | |
| ACCODE | |
| AMP | |

A callout bubble points to a line in the 'JCL - EXEC Statements' table, with the text: "Double click on a line to display the data row ...".

The background shows the main interface with a table of job statements and a table of output data.

| Jobname | SNr | Type | Pr |
|----------|-----|------|-----|
| <all> | | | <a |
| XXRJJOI | 3 | PROC | |
| XXRJJOI | 3 | PGM | SO |
| XXRJJOI | 4 | PGM | XX |
| XXRJJOI | 5 | PROC | |
| XXRJJOI | 5 | PGM | SO |
| XXRJJUP | 1 | PROC | |
| XXRJJUP | 1 | PGM | IDC |
| XXRJJUP | 2 | PGM | JU |
| XXRJJUP | 3 | PROC | |
| XXRJJUP | 3 | PGM | SO |
| XXRJJUP | 4 | PROC | |
| XXRJJUP | 4 | PGM | SO |
| XXRJJUP | 1 | PROC | |
| XXRJJUP | 2 | PGM | JU |
| XXRJJUP | 3 | PROC | |
| XXRJJUP | 4 | PROC | |
| XXRJJUPD | 1 | PROC | |
| XXRJJUPD | 1 | PGM | IDC |
| XXRJJUPM | 1 | PROC | |
| XXRJJUPM | 1 | PGM | IDC |

| REGION | TIME |
|--------------|-------|
| <all> | |
| | 32768 |
| Y,VERSION=37 | 32768 |
| | 32768 |
| | 65536 |
| | 32768 |
| | 32768 |
| | 65536 |

PC Client - Legend

The screenshot shows the XINFO PC Client interface. The main window is titled "XINFO PC Client - JCL - JOB Statements". The "View" menu is open, showing options for "Workspace Tree", "Shortcuts", "Output", "Search Result", "Legend", and "Status Bar". The "Legend" option is checked. Below the menu is a table of job statements. A docked window titled "Legend" is visible at the bottom, showing a list of short and long text descriptions for various fields. A callout box points to the "Legend" option in the menu and the docked window, stating: "You can select a Legend in a docked window for tables ...".

| Jobname | Account | Programmers Name | C | M | NOTIFY | PR | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHEMV | ADDR | BYTES | CARDS | CCSID | COND | JESLOG | LINES |
|------------|---------|------------------|---|---|---------|----|--------|---------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| <all> | <all> | <all> | | | <all> | | <all> | <all> | <all> | <all> | <all> | <...> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <...> |
| XXRJPL1 | ACCOUNT | 'HORIZONT' | A | T | &SYS | | | | | | | | | | | | | | | |
| XXRJPL1U | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJPOU | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJPRCM | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJPS | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJPL1 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXR IPI 1U | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |

| Short Text | Long Text |
|------------------|------------------|
| Jobname | Jobname |
| Account | Account |
| Programmers Name | Programmers Name |
| C | CLASS |
| M | MSGCLASS |
| NOTIFY | NOTIFY |

Connected as: P392E, file: XX37T#25

Lines: 9

You can select a Legend in a docked window for tables ...

PC Client - Sort Column (1)

XINFO PC Client - JCL - EXEC Statements

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Show criteria Inverse Filter Tools New Library Explorer Chart

JCL - EXEC Statements

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | CallingP | PLg | Prg-Orig | PARM |
|----------|-------|-------|---------|----------|----------|-------|----------|------------------|----------|-------|----------|--|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJCM22 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC24-V80,ML=1' |
| XXRJCM24 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC19-V70,ML=1' |
| XXRJCM21 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC26-V601,ML=1' |
| XXRJCM23 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC03-V64,ML=1' |
| XXRJCM22 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC11-V63,ML=1' |
| XXRJCM21 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC19-V70,ML=1' |
| X41JCM23 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC31-V90,ML=1' |
| XXRJCM23 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC03-V64,ML=1' |
| X41JCM21 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC19-V70,ML=1' |
| XXRJCM24 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC19-V70,ML=1' |
| X41JCM22 | 2 | PGM | XXRCCM2 | | | | UNLOAD | | | | XXRCCM2 | 'RPTOPT(OFF);/CTM=PC24-V80,ML=1' |
| XXRJCM3 | 3 | PGM | XXRCCM3 | | | | CREGRAPH | | | | XXRCCM3 | 'RPTOPT(OFF);/ML=1' |
| X41JCM3 | 2 | PGM | XXRCCM3 | | | | CREGRAPH | | | | XXRCCM3 | 'RPTOPT(OFF);/ML=1' |
| XXRJCM3 | 3 | PGM | XXRCCM3 | | | | CREGRAPH | | | | XXRCCM3 | 'RPTOPT(OFF);/ML=1' |
| XXRJCM23 | 6 | PGM | XXRCCM5 | | | | CREHIST | | | | XXRCCM5 | 'RPTOPT(OFF);/CTM=PC03-V64,ML=1','KH=60','HOSTINPUT=N,LOGREAD=N' |
| X41JCM12 | 7 | PGM | XXRCCM5 | | | | CREHIST | | | | XXRCCM5 | 'RPTOPT(OFF);/CTM=ZOS-V80,ML=1','KH=999','HOSTINPUT=Y,LOGREAD=N' |
| XXRJCM13 | 7 | PGM | XXRCCM5 | | | | CREHIST | | | | XXRCCM5 | 'RPTOPT(OFF);/CTM=ZOS-V6304,ML=1','KH=999','HOSTINPUT=Y,LOGREAD=N' |
| XXRJCM13 | 4 | PGM | XXRCCM5 | | | | READLOG | | | | XXRCCM5 | 'RPTOPT(OFF);/CTM=ZOS-V6304,ML=1','HOSTINPUT=Y,LOGREAD=Y,SYS=MV' |
| XXRJCM23 | 3 | PGM | XXRCCM5 | | | | READLOG | | | | XXRCCM5 | 'RPTOPT(OFF);/CTM=PC03-V64,ML=1','HOSTINPUT=N,LOGREAD=Y' |
| XXRJCM12 | 7 | PGM | XXRCCM5 | | | | CREHIST | | | | XXRCCM5 | 'RPTOPT(OFF);/CTM=ZOS-V6304,ML=1','KH=999','HOSTINPUT=Y,LOGREAD=N' |

Click on a header with a left click to sort the row by Ascending or Descending ...

PC Client - Sort Column (2)

1. Menu - Table and Customize

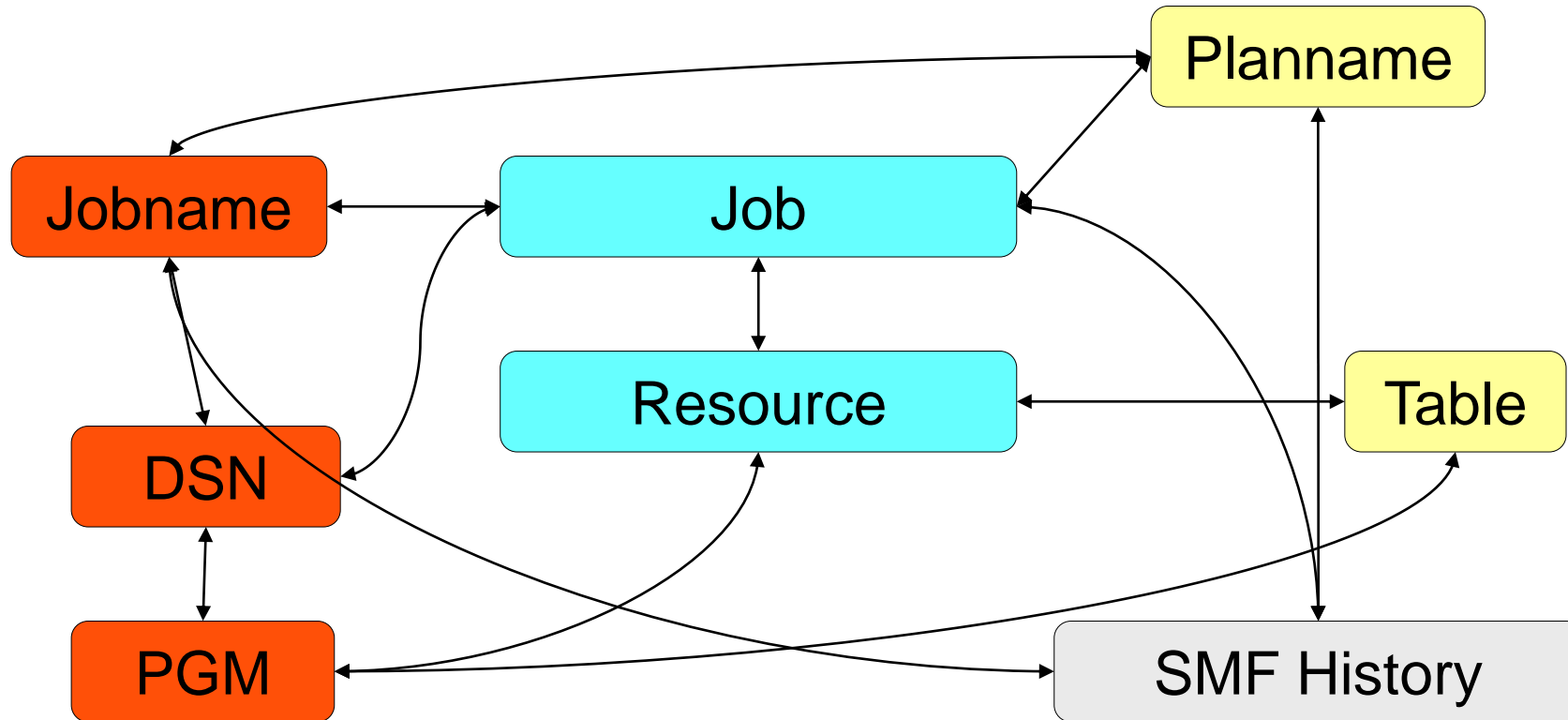
| Visible | Sort | Column Header | Column Legend |
|-------------------------------------|------|------------------|---------------------|
| <input checked="" type="checkbox"/> | | Jobname | Jobname |
| <input checked="" type="checkbox"/> | | SNr | Stepnumber |
| <input checked="" type="checkbox"/> | | Type | Type (PROC/PGM) |
| <input checked="" type="checkbox"/> | | Program | Programname |
| <input checked="" type="checkbox"/> | | ProcStep | ProcStepname |
| <input checked="" type="checkbox"/> | | Procedur | Procedurename |
| <input checked="" type="checkbox"/> | | F | Proc found (Y/N) |
| <input checked="" type="checkbox"/> | | JobStep | JobStepname |
| <input checked="" type="checkbox"/> | | ProcLib (called) | ProcLib (called) |
| <input checked="" type="checkbox"/> | | CallingP | Calling Procedure |
| <input checked="" type="checkbox"/> | | PLg | Proclib (calling) |
| <input checked="" type="checkbox"/> | | Prg-Orig | Programname (orig.) |
| <input checked="" type="checkbox"/> | | PARM | |
| <input checked="" type="checkbox"/> | | REGIO | |
| <input checked="" type="checkbox"/> | | TIME | |
| <input checked="" type="checkbox"/> | | COND | COND |
| <input checked="" type="checkbox"/> | | ACCT | ACCT |
| <input checked="" type="checkbox"/> | | ADDR | ADDRSPC |
| <input checked="" type="checkbox"/> | | CCSID | CCSID |
| <input checked="" type="checkbox"/> | | DPRTY | DPRTY |
| <input checked="" type="checkbox"/> | | DYNAMNBR | DYNAMNBR |
| <input checked="" type="checkbox"/> | | MEMLIMIT | MEMLIMIT |
| <input checked="" type="checkbox"/> | | PERFORM | PERFORM |
| <input checked="" type="checkbox"/> | | RD | RD (Restart Def.) |
| <input checked="" type="checkbox"/> | | RLSTMOUT | RLSTMOUT |
| <input checked="" type="checkbox"/> | | PARMDD | PARMDD |
| <input checked="" type="checkbox"/> | | JCL-Lib | JCL-Lib |
| <input checked="" type="checkbox"/> | | Member | Member |
| <input checked="" type="checkbox"/> | | Additional Info | Additional Info |

2. Select column

3. Change sorting

PC Dialog - Line Commands (1)

The XINFO line commands are connections to other data, comparable to a hyperlink in web pages.



PC Client - Line Commands (at one page)

Use the right mouse to activate line commands

| Jobname | EXPDT | SPACE | UNIT | Mem/Gen. | D |
|--------------------------|-------|-------|-------|----------|---|
| 3R6.INST.USERSKEL | <all> | <all> | <all> | <all> | S |
| 3R6.INST.CLIST | | | | | S |
| 3R6.INST.CLIST | | | | | S |
| 3R6.INST.ISPTABL | | | | | S |
| 3R6.INST.GENSKEL | | | | | S |
| 3R6.INST.ISPTABL | | | | | S |
| 3R6.INST.GENSKEL | | | | | S |
| C12.DATA.ITCJTWS3.WORK01 | | | | | O |
| C12.SAMPLIB | | | | ITCKDB2S | S |
| C12.DATA.ITCJTWS3.WORK01 | | | | | O |
| C12.SAMPLIB | | | | ITCKDB2S | S |
| C12.DATA.ITCJTWS3.WORK01 | | | | | O |
| C12.SAMPLIB | | | | ITCKDB2S | S |
| C12.DATA.ITCJSMFB.WORK01 | | | | | O |
| C12.SAMPLIB | | | | I36KDB2S | S |
| C12.DATA.ITCJTWS3.WORK01 | | | | | O |
| C12.SAMPLIB | | | | ITCKDB2S | S |
| C12.DATA.ITCJSMFB.WORK01 | | | | | O |

PC Client - Line Commands (2)

The screenshot displays the XINFO PC Client interface. On the left, a 'Workspace Tree' shows a hierarchy of folders: Programs, Source, Assembler, C, COBOL, Easytrieve, Java, Natural, and PL/I. Under PL/I, several sub-items are listed, including 'General', which is currently selected. The main window shows a 'PL/I - General Information' dialog box. The 'Main Program' field is highlighted with a red rectangle and contains the text 'DSNTEP2'. A callout bubble points to this field with the text 'Search for program name e.g. DSNTEP2'. The dialog box also contains various other fields and options for configuration, such as 'Main Lib', 'Procedure Name', 'Last Update User', 'Last Update Date', 'Last Update Time', 'Load Module', 'System', 'Uses EXEC SQL (Y/N)', 'Dynamic SQL (Y/N)', 'Uses EXEC CICS(Y/N)', 'Uses EXEC DLI (Y/N)', 'Uses CALL (Y/N)', 'Uses Fetch (Y/N)', 'Include Data (Y/N)', 'Call Data (Y/N)', 'Proc Data (Y/N)', 'File Use Data (Y/N)', 'File Dcl Data (Y/N)', 'DB2 Data (Y/N)', 'CICS Data (Y/N)', 'DLI Data (Y/N)', 'Variable Data (Y/N)', 'Comments Data (Y/N)', 'Var-Usage Data(Y/N)', 'Prep-Var Data (Y/N)', 'Literals Data (Y/N)', 'HasSrcLRows (Y/N)', 'Source Lines Main', 'Source Lines Total', 'Comment Lines Main', and 'Comment Lines Total'. The dialog box has 'OK', 'Actions', and 'Cancel' buttons at the bottom.

PC Client - Line Commands (3)

The screenshot shows the XINFO PC Client interface. The title bar reads "XINFO PC Client - PL/I - General Information". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tool groups: Edit (Copy, Select All, Toggle Selection), Table Layout (Customize, Use Default, Use Custom), Table Functions (Group, Statistics, All, Subtable, Graph), Tools (Show SQL, Show criteria, Inverse Filter), and Chart (New, Library, Explorer). The main workspace displays a table titled "PL/I - General Information" with the following data:

| MainPgm | Main-Lib | ProcName | Upd:User | Upd:Date | Upd:T | Load-Mod | System | EXEC-DB2 | Dyn-SQL | EXEC-CICS | EXEC-DLI | CALL | Fetch | Incl | Call | Proc | FileU | FileD | DB2 | CICS |
|---------|-----------------|----------|----------|----------|-------|----------|--------|----------|---------|-----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <...> | <...> | <...> | <...> | <...> | <...> | <...> | <...> |
| DSNTEP2 | DSNB10.SDSNSAMP | DSNTEP2 | | | | DSNTEP2 | PROJ1 | Y | Y | N | N | Y | N | Y | Y | Y | Y | Y | Y | N |

A callout box points to the first row of data, stating: "The program DSNTEP2 is found once - in source member DSNB10.SDSNSAMP".

PC Client - Line Commands (4)

The screenshot shows the XINFO PC Client interface with the 'PL/I - General Information' window. A table displays program details, and a context menu is open over the 'DSNTEP2' row. A callout box indicates that the user should right-click on the row and select 'JCL - EXEC Statements'.

You want to know in which JCL steps this program is used?

| MainPgm | Main-Lib | ProcName | Upd:User | Upd:Date | Upd:T | Load-Mod | System | EXEC-DB2 | Dyn-SQL | EXEC-CICS | EXEC-DLI | CALL | Fetch | Incl | Call | Proc | FileU | FileD | DB2 | CICS |
|---------|------------|----------|----------|----------|-------|----------|--------|----------|---------|-----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| DSNTEP2 | DSNB10.SDS | MSAMP | DSNTEP2 | | | DSNTEP2 | PROJ1 | Y | Y | N | N | Y | N | Y | Y | Y | Y | Y | Y | N |

Click with right mouse click on the line and select "JCL - EXEC Statements"

PC Client - Line Commands (5)

XINFO PC Client - JCL - EXEC Statements

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Subtable Graph Show SQL Show criteria Inverse Filter Tools New Library Explorer Chart

PL/I - General Information JCL - EXEC Statements

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | CallingP | PLg | Prg-Orig | PARAM | REGION | TIME | COND | ACCT | ADDR | CCSID | DPRTY |
|----------|-------|-------|---------|----------|----------|-------|----------|-------------------------|----------|-------|----------|-------|--------|-------|-------|-------|-------|-------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| DB2PL11 | 2 | PGM | DSNTEP2 | | | | PH01PS02 | | | | IKJEFT01 | | | | 4,LT | | | | |
| FORM29DM | 3 | PGM | DSNTEP2 | DB2TSO | #PRC2TSO | | LOAD0BA1 | P390A.PM.CNTL | | | IKJEFT1B | | 4000 | | | | | | |
| FORM29DM | 6 | PGM | DSNTEP2 | DB2TSO | #PRC2TSO | | LOAD0DK1 | P390A.PM.CNTL | | | IKJEFT1B | | 4000 | | | | | | |
| FORM29DM | 9 | PGM | DSNTEP2 | DB2TSO | #PRC2TSO | | LOAD0IZ1 | P390A.PM.CNTL | | | IKJEFT1B | | 4000 | | | | | | |
| FORM29DM | 12 | PGM | DSNTEP2 | DB2TSO | #PRC2TSO | | LOAD | | | | | | 4000 | | | | | | |
| FORM29DM | 15 | PGM | DSNTEP2 | DB2TSO | #PRC2TSO | | LOAD | | | | | | 4000 | | | | | | |
| PMADMIN | 2 | PGM | DSNTEP2 | | | | GET0 | | | | | | | | | | | | |
| PMADMIN | 3 | PGM | DSNTEP2 | | | | | | | | | | | | | | | | |
| PMNJFRMC | 3 | PGM | DSNTEP2 | | | | LOAD | | | | | | 4000 | | 04,LT | | | | |
| XXRJBNDD | 1 | PGM | DSNTEP2 | | | | BIND | | | | IKJEFT1B | | 4000 | | 4,LT | | | | |
| XXRJDBC0 | 1 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | DBCREATE | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| XXRJDBC0 | 2 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | GRANT | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| XXRJDBC2 | 1 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | DSNTEP2 | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X36JBNDD | 1 | PGM | DSNTEP2 | | | | BIND | | | | IKJEFT1B | | 4000 | | 4,LT | | | | |
| X36JDBC0 | 1 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | DBCREATE | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X36JDBC0 | 2 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | GRANT | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X36JDBC2 | 1 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | DSNTEP2 | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| \$GRANT | 1 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | DSNTEP2 | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| XXRJBNDD | 1 | PGM | DSNTEP2 | | | | BIND | | | | IKJEFT1B | | 4000 | | 4,LT | | | | |
| XXRJDBC2 | 1 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | DSNTEP2 | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |

Program DSNTEP2 was found in these jobs

PC Client - Line Commands (6)

You want to know when job XXRJDBC2 ran?

Click with right mouse click on the line and select "SMF - Job Information"

| Jobname | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | CallingP | PLg | Prg-Orig | PARAM | REGION | TIME | COND | ACCT | ADDR | CCSID | DPRTY |
|----------|---------|----------|----------|---|---------|-------------------------|----------|-----|----------|-------|--------|------|------|------|------|-------|-------|
| XXRJDBC2 | 1 PGM | DSNTEP2 | DB2TSO | | DSNTEP2 | SYSH.XINFO.V3R7.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X37JBND | 1 PGM | DSNTEP2 | DB2TSO | | DSNTEP2 | SYSH.XINFO.V3R7.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X37JDBC0 | 1 PGM | DSNTEP2 | DB2TSO | | DSNTEP2 | SYSH.XINFO.V3R7.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X37JDBC0 | 2 PGM | DSNTEP2 | DB2TSO | | DSNTEP2 | SYSH.XINFO.V3R7.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X37JDBC2 | 1 PGM | DSNTEP2 | DB2TSO | | DSNTEP2 | SYSH.XINFO.V3R7.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X40JBND | 1 PGM | DSNTEP2 | DB2TSO | | DSNTEP2 | SYSH.XINFO.V3R7.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |
| X40JLD0X | 18 PGM | DSNTEP2 | DB2TSO | | DELU4R | SYSH.XINFO.V4R0.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | |

PC Client - Line Commands (7)

The screenshot shows the 'XINFO PC Client - SMF - Job Information' window. The 'SMF - Job Information' tab is active, displaying a table of job data. Three callout boxes highlight specific columns: 'Returncode', 'Job start time', and 'Job end time'. The table has the following columns: Jobname, Jesname, Owner, Syst, RC, Start-Time, End-Time, Durat., Account, C, C Long, WTyp, Submit Time, and CPU. The row for job 'XXRJDBC2 JOB70716' is highlighted in blue.

| Jobname | Jesname | Owner | Syst | RC | Start-Time | End-Time | Durat. | Account | C | C Long | WTyp | Submit Time | CPU |
|----------|----------|---------|------|---------|----------------------------|----------------------------|--------|---------|---|--------|------|----------------------------|-----|
| XXRJDBC2 | JOB71569 | MICHEL | SOW1 | | 2018-08-27-12:43:28.430000 | 2018-08-27-12:43:29.530000 | 1 | ACCT# | A | A | JES2 | 2018-08-27-12:43:27.490000 | |
| XXRJDBC2 | JOB71568 | MICHEL | SOW1 | CC 0008 | 2018-08-27-12:43:14.370000 | 2018-08-27-12:43:14.610000 | 0 | ACCT# | A | A | JES2 | 2018-08-27-12:43:14.200000 | |
| XXRJDBC2 | JOB70716 | IBMUSER | SOW1 | S 04C | 2018-08-24-21:03:33.770000 | 2018-08-24-21:03:35.240000 | 1 | ACCOUNT | A | A | JES2 | 2018-08-24-21:03:33.640000 | |
| XXRJDBC2 | JOB69688 | P391H | SOW1 | | 2018-08-22-16:01:53.330000 | 2018-08-22-16:06:11.240000 | 258 | ACCOUNT | A | A | JES2 | 2018-08-22-16:01:52.630000 | |
| XXRJDBC2 | JOB69680 | P391H | SOW1 | CC 0008 | 2018-08-22-15:02:53.780000 | 2018-08-22-15:02:58.710000 | 5 | ACCOUNT | A | A | JES2 | 2018-08-22-15:02:52.610000 | |
| XXRJDBC2 | JOB69678 | P391H | SOW1 | CC 0008 | 2018-08-22-14:56:18.990000 | 2018-08-22-14:56:23.590000 | 5 | ACCOUNT | A | A | JES2 | 2018-08-22-14:56:17.740000 | |
| XXRJDBC2 | JOB69677 | P391H | SOW1 | CC 0008 | 2018-08-22-14:55:47.700000 | 2018-08-22-14:55:52.300000 | 5 | ACCOUNT | A | A | JES2 | 2018-08-22-14:55:47.140000 | |
| XXRJDBC2 | JOB69675 | P391H | SOW1 | CC 0008 | 2018-08-22-14:49:05.350000 | 2018-08-22-14:50:27.700000 | 82 | ACCOUNT | A | A | JES2 | 2018-08-22-14:49:04.670000 | |
| XXRJDBC2 | JOB05522 | IBMUSER | SOW1 | CC 0008 | 2018-02-23-20:12:48.770000 | 2018-02-23-20:12:51.450000 | 3 | ACCOUNT | A | A | JES2 | 2018-02-23-20:12:48.630000 | |
| XXRJDBC2 | JOB46670 | MICHEL | SOW1 | | 2017-09-14-16:34:39.810000 | 2017-09-14-16:34:40.630000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:34:39.680000 | |
| XXRJDBC2 | JOB46669 | MICHEL | SOW1 | | 2017-09-14-16:34:21.130000 | 2017-09-14-16:34:22.060000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:34:21.010000 | |
| XXRJDBC2 | JOB46667 | MICHEL | SOW1 | | 2017-09-14-16:33:31.930000 | 2017-09-14-16:33:32.790000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:33:31.810000 | |
| XXRJDBC2 | JOB46666 | MICHEL | SOW1 | | 2017-09-14-16:33:17.130000 | 2017-09-14-16:33:17.960000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:33:17.000000 | |
| XXRJDBC2 | JOB46665 | MICHEL | SOW1 | | 2017-09-14-16:32:58.320000 | 2017-09-14-16:32:59.140000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:32:58.170000 | |
| XXRJDBC2 | JOB46664 | MICHEL | SOW1 | | 2017-09-14-16:32:40.760000 | 2017-09-14-16:32:41.610000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:32:40.630000 | |
| XXRJDBC2 | JOB46663 | MICHEL | SOW1 | | 2017-09-14-16:32:21.940000 | 2017-09-14-16:32:22.790000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:32:21.820000 | |
| XXRJDBC2 | JOB46662 | MICHEL | SOW1 | | 2017-09-14-16:32:04.390000 | 2017-09-14-16:32:05.270000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:32:04.240000 | |
| XXRJDBC2 | JOB46661 | MICHEL | SOW1 | | 2017-09-14-16:31:46.650000 | 2017-09-14-16:31:47.610000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:31:46.530000 | |
| XXRJDBC2 | JOB46660 | MICHEL | SOW1 | | 2017-09-14-16:31:33.760000 | 2017-09-14-16:31:34.570000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:31:33.120000 | |
| XXRJDBC2 | JOB46659 | MICHEL | SOW1 | | 2017-09-14-16:31:17.690000 | 2017-09-14-16:31:18.510000 | 1 | ACCOUNT | A | A | JES2 | 2017-09-14-16:31:16.820000 | |

PC Client - Search - Option 99

The screenshot displays the PC Client interface with a search dialog open. On the left, the 'Workspace Tree' shows a hierarchy of folders including 'Scheduler', 'Automatic', 'Bagjas', 'CA7', 'Control-M', 'EJM', 'Streamworks', and 'TWS z/OS'. Under 'TWS z/OS', several sub-items are listed, with 'Operation Times' highlighted. The search dialog, titled 'TWS z/OS - Operation times', contains a list of fields for search criteria. Each field has a dropdown menu with an equals sign (=) and a text input field. The fields are: Application ID, Status (A/P), Valid To, Operation Number, Workstation, Jobname, Subsystem, Start Day, Start Time (with a format indicator 'HH:MM:SS'), Time dependent, Duration (Seconds), Runcycle name, Duration HHMMSS, Deadline date, Deadline time (with a format indicator 'HH:MM'), Dur.+Deadl. f. var., Client, Environment, and DatAddInfo. At the bottom of the dialog are 'OK', 'Actions', and 'Cancel' buttons. A dark blue callout box with white text is positioned over the 'Application ID' field, containing the text: 'You'd like to search for more than one parameter in one selection field?'

| Field | Operator | Value Field | Format |
|---------------------|----------|-------------|----------|
| Application ID | = | | |
| Status (A/P) | = | | |
| Valid To | = | | |
| Operation Number | = | | |
| Workstation | = | | |
| Jobname | = | | |
| Subsystem | = | | |
| Start Day | = | | |
| Start Time | = | | HH:MM:SS |
| Time dependent | = | | |
| Duration (Seconds) | = | | |
| Runcycle name | = | | |
| Duration HHMMSS | = | | |
| Deadline date | = | | |
| Deadline time | = | | HH:MM |
| Dur.+Deadl. f. var. | = | | |
| Client | = | | |
| Environment | = | | |
| DatAddInfo | = | | |

PC Client - Search - Option 99

TWS z/OS - Operation times

| | | | | |
|---------------------|---|----------|------------|----------|
| Application ID | = | | | |
| Status (A/P) | = | | | |
| Valid To | = | | DD.MM.YYYY | |
| Operation Number | = | | | |
| Workstation | = | | | |
| Jobname | = | | | |
| Subsystem | = | | | |
| Start Day | = | | | |
| Start Time | = | 10:00:00 | OR | HH:MM:SS |
| | = | 23:00:00 | | |
| Time depend | = | | | |
| Duration (Seco | = | | | |
| Runcycle name | = | | | |
| Duration | = | | | |
| Deadline | = | | | |
| Deadline time | = | | HH:MM | |
| Dur.+Deadl. f. var. | = | | | |
| Client | = | | | |
| Environment | = | | | |
| DatAddInfo | = | | | |

OK Actions Cancel

You can specify "OR" as well as "AND"

Option 99: Click on the label

PC Client - Search - Option 99

The screenshot shows the XINFO PC Client interface with a search results table. The window title is 'XINFO PC Client - TWS z/OS - Operation times'. The ribbon includes 'File', 'Home', 'Table', 'Netplan', 'Barchart', 'Chart', 'Script', and 'View'. The 'Table' ribbon is active, showing options like 'Copy', 'Select All', 'Toggle Selection', 'Customize', 'Use Default', 'Use Custom', 'Group', 'Statistics', 'Subtable', 'Graph', 'Show SQL', 'Show criteria', 'Inverse Filter', 'New', 'Library Explorer', and 'Chart'. The search results table has the following columns: Application ID, Status (A/P), Valid To, Operation Number, Workstation, Jobname, Subsystem, Start Day, Start Time, Time dependent, Duration (Seconds), Runcycle name, Duration HHMMSS, and Deadlin. The results are as follows:

| Application ID | Status (A/P) | Valid To | Operation Number | Workstation | Jobname | Subsystem | Start Day | Start Time | Time dependent | Duration (Seconds) | Runcycle name | Duration HHMMSS | Deadlin |
|-----------------|--------------|------------|------------------|-------------|----------|-----------|-----------|------------|----------------|--------------------|---------------|-----------------|---------|
| ACRIT0 | A | 31.12.2071 | 1 | TIME | | TXGC | 0 | 10:00:00 | Y | 1 | DAY | 000001 | |
| HOR80DAY | A | 31.12.2071 | 10 | TIME | | TXGC | 0 | 10:00:00 | Y | 60 | DAY | 000100 | |
| HOR90DEMO | A | 31.12.2071 | 10 | CPU | AHZ00010 | TXGC | 0 | 10:00:00 | Y | 1 | DAY | 000001 | |
| SPEEDSEQUENTIAL | A | 31.12.2071 | 1 | DMY | | TXGC | 0 | 10:00:00 | Y | 1 | DAY | 000001 | |
| TIMD03 | A | 31.12.2071 | 1 | DMY | | TXGC | 0 | 10:00:00 | Y | 1 | TEST | 000001 | |
| ERIC01 | A | 31.12.2071 | 10 | DMY | | TXGC | 1 | 23:00:00 | Y | 1 | DAY | 000001 | |
| HOR60DAY | A | 31.12.2071 | 1 | TIME | | TXGC | 0 | 23:00:00 | Y | 60 | DAY | 000100 | |

A callout box with the text 'The result' points to the table.

PC Client - Search

The screenshot shows the XINFO PC Client interface. The title bar reads "XINFO PC Client - JCL - DSN". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tools like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, New, and Library. The Workspace Tree on the left shows a hierarchy with Scheduler and JCL folders, and JCL sub-items like JOB Statements, JES Statements, EXEC Statements, EXPORTed JCL Symbols, DSN, SYSIN Content, SYSOUT+OUTPUT, OUTPUT Statements, Jobs with OPC Variables, JCLLIB-Statements, Symbols and Proc. Parm, Comment Cards, Scanned Libraries, Control-M Variables, SUBSYS, IF Statements, and HFS (PATH). The main table displays job details with columns: Jobname, SNr, Program, DD-Name, CNr, DSN, EXPDT, SPACE, UNIT, Mem./Gen., and D. A search field is highlighted with a red box above the table. A callout bubble points to the search field with the text "Use the search field to locate rows in the table ...". The status bar at the bottom shows "Connected as: P392E, file: XX37T#25" and "Lines: 5000".

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem./Gen. | D |
|----------|-------|----------|---------|-------|---------------------------------------|-------|-------|-------|-----------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJINST | 1 | XXRXHOOK | ISPSLIB | 0 | SYSH.XINFO.V3R6.INST.USERSKEL | | | | | S |
| XXRJINST | 1 | XXRXHOOK | ISPLIB | 0 | SYSH.XINFO.V3R6.INST.CLIST | | | | | S |
| XXRJINST | 1 | XXRXHOOK | ISPSLIB | 2 | SYSH.XINFO.V3R6.INST.CLIST | | | | | S |
| XXRJINST | 1 | XXRXHOOK | ISPTABL | 0 | SYSH.XINFO.V3R6.INST.ISPTABL | | | | | S |
| XXRJINST | 1 | XXRXHOOK | SYSEXEC | 0 | SYSH.XINFO.V3R6.INST.GENSKEL | | | | | S |
| XXRJINST | 1 | XXRXHOOK | ISPTLIB | 0 | SYSH.XINFO.V3R6.INST.ISPTABL | | | | | S |
| XXRJINST | 1 | XXRXHOOK | ISPSLIB | 0 | SYSH.XINFO.V3R6.INST.USERSKEL | | | | | S |
| ITCJTWS3 | 29 | XXRIWT1 | WTRESO | | | | | | ITCKDB2S | S |
| ITCJTWS3 | 29 | XXRIWT1 | PARMIN | | | | | | ITCKDB2S | S |
| ITCJTWS3 | 27 | XXRIWT1 | WTRESO | | | | | | ITCKDB2S | S |
| ITCJTWS3 | 27 | XXRIWT1 | PARMIN | | | | | | ITCKDB2S | S |
| ITCJTWS3 | 25 | XXRIWT1 | WTRESO | | | | | | ITCKDB2S | S |
| ITCJTWS3 | 25 | XXRIWT1 | PARMIN | | | | | | ITCKDB2S | S |
| I36JSMFB | 7 | XXRIWT1 | WTRESO | 0 | SYSH.XINFO.ITC12.DATA.ITCJSMFB.WORK01 | | | | | O |
| I36JSMFB | 9 | XXRIWT1 | PARMIN | 0 | SYSH.XINFO.ITC12.SAMPLIB | | | | I36KDB2S | S |
| ITCJTWS3 | 23 | XXRIWT1 | WTRESO | 0 | SYSH.XINFO.ITC12.DATA.ITCJTWS3.WORK01 | | | | | O |
| ITCJTWS3 | 23 | XXRIWT1 | PARMIN | 0 | SYSH.XINFO.ITC12.SAMPLIB | | | | ITCKDB2S | S |
| I36JSMFB | 9 | XXRIWT1 | WTRESO | 0 | SYSH.XINFO.ITC12.DATA.ITCJSMFB.WORK01 | | | | | O |

Use the search field to locate rows in the table ...

PC Client - Search

Select "Inverse Filter" to show everything ≠ your filter

| Jobname | SNr | Program | DD-Name | CNr | DSN | Mem/Gen. | DIS | Called-P | Proclib (called) | LRECL | BLKS |
|---------|-------|---------|-----------|-------|------------------|----------|-------|----------|-------------------------|-------|-------|
| <all> | <all> | <all> | <all> | <all> | SYSH. | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJASM | 1 | IDCAMS | SYSIN | 0 | | | | XXRJUNC | SYSH.XINFO.V3R6.PROCLIB | | |
| XXRJASM | 2 | XXRIASM | ADDKEY | 0 | * | | | | | | |
| XXRJASM | 2 | XXRIASM | PARMIN | 1 | * | | | | | | |
| XXRJASM | 2 | XXRIASM | SRCI001 | 0 | DSNB10.SDSNSAMP | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SRCI002 | 0 | IMS1210.SDFSISRC | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SRCI003 | 0 | CSQ800.SCSQASMS | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SYSLIB | 0 | SYS1.MACLIB | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SYSLIB | 1 | SYS1.MODGEN | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SYSLIB | 2 | CEE.SCEEMAC | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SYSLIB | 3 | DSNB10.SDSNSAMP | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SYSLIB | 4 | IMS1210.SDFSISRC | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SYSLIB | 5 | CSQ800.SCSQMACS | | SKK | | | | |
| XXRJASM | 2 | XXRIASM | SYSADATA | 0 | &&SYSDTMP | | NPD | | | | |
| XXRJASM | 2 | XXRIASM | SYSIN | 0 | &&SYSITMP | | NPD | | | 80 | |
| XXRJASM | 2 | XXRIASM | MODMAP | 0 | DUMMY | | | | | | |
| XXRJASM | 2 | XXRIASM | SYSLIN | 0 | DUMMY | | | | | | |
| XXRJASM | 2 | XXRIASM | SYSUT1 | 0 | TEMPNAME | | | | | | |
| XXRIASM | 2 | XXRIASM | SYSPIINCH | 0 | DUMMY | | | | | | |

PC Client - Search

The screenshot shows the XINFO PC Client interface with the 'Table' tab selected. The 'Workspace Tree' on the left shows the 'JCL' folder expanded to 'DSN'. The main table displays job details with columns: Jobname, SNr, Program, DD-Name, CNr, DSN, EXPDT, SPACE, UNIT, Mem./Gen., and D. The 'DSN' column is highlighted with a red box, and the value 'xxrtc' is entered in the search filter above it. Two callout boxes provide instructions: '1) Select the field which you like to search for' points to the red box, and '2) Enter the expression you like to search for' points to the search filter.

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem./Gen. | D |
|----------|-------|---------|---------|-------|----------------------------------|-------|-------|-------|-----------|-------|
| <all> | <all> | <all> | <all> | <all> | xxrtc | <all> | <all> | <all> | <all> | <all> |
| XXRJJUPU | 5 | XXRITGN | XXRTCXJ | 0 | SYSH.XINFO.V3R6.DATA.XXRTCXJ.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB5 | 0 | SYSH.XINFO.V3R6.D...XXRTCB5.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB0 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB0.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB1 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB1.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB2 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB2.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB3 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB3.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB4 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB4.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB6 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB6.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB7 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB7.UPD | | | | | S |
| XXRJJUPU | 5 | XXRITGN | XXRTCMD | 0 | SYSH.XINFO.V3R6.DATA.XXRTCMD.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB8 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB8.UPD | | | | | S |
| XXRJJUPU | 5 | XXRITGN | XXRTCMT | 0 | SYSH.XINFO.V3R6.DATA.XXRTCMT.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCB9 | 0 | SYSH.XINFO.V3R6.DATA.XXRTCB9.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCBA | 0 | SYSH.XINFO.V3R6.DATA.XXRTCBA.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCBB | 0 | SYSH.XINFO.V3R6.DATA.XXRTCBB.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCBC | 0 | SYSH.XINFO.V3R6.DATA.XXRTCBC.UPD | | | | | S |
| XXRJCOBU | 6 | XXRITGN | XXRTCBD | 0 | SYSH.XINFO.V3R6.DATA.XXRTCBD.UPD | | | | | S |
| XXRJCCU | 6 | XXRITGN | XXRTCCA | 0 | SYSH.XINFO.V3R6.DATA.XXRTCCA.UPD | | | | | S |

1) Select the field which you like to search for

2) Enter the expression you like to search for

PC Client - Search

The screenshot shows the XINFO PC Client interface with the 'Table' menu selected. The 'Workspace Tree' on the left shows the 'JCL' folder expanded. The main table displays search results for 'xxrtcdi' in the 'DSN' column. A red box highlights the search results, and a callout bubble points to it with the text '3) All occurrences of "xxrtcdi"'. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25' and 'Lines: 5000'.

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem./Gen. | DIS |
|----------|-------|----------|---------|-------|------------------------------|-------|--------------------|-------|-----------|-------|
| <all> | <all> | <all> | <all> | <all> | xxrtcdi | <all> | <all> | <all> | <all> | <all> |
| XXRJCAD | 2 | XXRICAD | CADOCDI | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | TRK,(250,250),RLSE | | | NCC |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | | | | ODD |
| XXRJLD0I | 1 | DSNUTILB | SYSREC | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | | | | SKK |

PC Client - Search

The screenshot shows the XINFO PC Client - JCL - DSN interface. The top menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The Table menu is active, showing options like Copy, Select All, Toggle Selection, Edit, Customize, Use Default, Use Custom, Table Layout, Group, Statistics, All, Subtable, Graph, Table Functions, Show SQL, Show criteria, Inverse Filter, Tools, New, Library, and Explorer. A status bar at the top indicates: "There are more records satisfying your search criteria in the database. The displayed number of records has been reduced because of your program setting." A "Reload" button is visible in the top right. The main workspace displays a table of search results with columns: Jobname, SNr, Program, DD-Name, CNr, DSN, Mem./Gen., DIS, Called-P, and Proclib (called). A dialog box titled "Enter new limit" is open, with a text input field containing "2000" and buttons for "OK" and "Cancel". A callout bubble points to the dialog box with the text: "Enter an arbitrary number only for this selection". Another callout bubble points to a dropdown menu with options "Without limits" and "With a new limit..." and contains the text: "You can choose 'Without limits' or 'With a new limit'. Latter one opens a new window ...". The status bar at the bottom shows "Connected as: P392F, file: XX37T#25" and "Lines: 1000".

You can reload the displayed number of records if your programm settings are limited to a specific number (see slide 65)

You can choose "Without limits" or "With a new limit". Latter one opens a new window ...

Enter an arbitrary number only for this selection

| Jobname | SNr | Program | DD-Name | CNr | DSN | Mem./Gen. | DIS | Called-P | Proclib (called) |
|---------|-----|---------|---------|-----|-------------------------------|-----------|-----|----------|-------------------------|
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASM | 1 | IDCAMS | SYSIN | 0 | SYSH.XIN | | | | |
| XXRJASM | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.ASMSQL | | ODD | XXRJUNC | SYSH.XINFO.V3R6.PROCLIB |
| XXRJASM | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.ASMDEBUG | | ODD | XXRJUNC | SYSH.XINFO.V3R6.PROCLIB |
| XXRJASM | 2 | XXRIASM | ADDKEY | 0 | * | | | | |
| XXRJASM | 2 | XXRIASM | ADDKEY | 1 | SYSH.XINFO.V3R6.PARM | XXRKKEY | SKK | | |
| XXRJASM | 2 | XXRIASM | PWDIN | 0 | SYSH.XINFO.V3R6.PARM | XXRKPWD | SKK | | |
| XXRJASM | 2 | XXRIASM | ASMAOPT | 0 | SYSH.XINFO.V3R6.PARM | XXRKASMO | SKK | | |
| XXRJASM | 2 | XXRIASM | PARMIN | 0 | SYSH.XINFO.V3R6.PARM | XXRKASM | SKK | | |
| XXRJASM | 2 | XXRIASM | PARMIN | 1 | * | | | | |

PC Client - Search

The screenshot shows the XINFO PC Client interface for JCL - DSN. The main window displays a table with columns: Jobname, SNr, Program, DD-Name, CNr, DSN, EXPDT, SPACE, UNIT, Mem./Gen., and D. The table contains 20 rows of job entries. A callout box points to the first few rows with the text: "Mark all lines which you want to have (hold Ctrl + left mouse click)".

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem./Gen. | D |
|---------|-------|---------|---------|-------|------------------------------|-------|--------------------|-------|-----------|-------|
| <all> | <all> | <all> | <all> | <all> | xxrtc | <all> | <all> | <all> | <all> | <all> |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDR | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDT | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDS | | | | | 0 |
| XXRJCAD | 2 | XXRICAD | CADOCDI | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | TRK,(250,250),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDR | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDR | | TRK,(250,250),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDT | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDT | | TRK,(50,50),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDS | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDS | | TRK,(50,50),RLSE | | | N |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC0 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC1 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC2 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC3 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC4 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC5 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC6 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC7 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC8 | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC9 | | | | | 0 |

Mark all lines which you want to have (hold Ctrl + left mouse click)

Connected as: P392E, file: XX37T#25

Lines: 5000

PC Client - Search

The screenshot shows the XINFO PC Client - JCL - DSN interface. The 'Table' menu is highlighted, and a callout points to it with the text: "... and select 'Table' ...". The main window displays a table of search results for the job 'xxrtc'.

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem/Gen. | D |
|---------|-------|---------|---------|-------|------------------------------|-------|--------------------|-------|----------|-------|
| <all> | <all> | <all> | <all> | <all> | xxrtc | <all> | <all> | <all> | <all> | <all> |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDR | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDT | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDS | | | | | 0 |
| XXRJCAD | 2 | XXRICAD | CADOCDI | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | TRK,(250,250),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDR | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDR | | TRK,(250,250),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDT | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDT | | TRK,(50,50),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDS | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDS | | TRK,(50,50),RLSE | | | N |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC0 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC1 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC2 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC3 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC4 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC5 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC6 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC7 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC8 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC9 | | | | | 0 |

Connected as: P392E, file: XX37T#25

Lines: 5000

PC Client - Search

The screenshot shows the XINFO PC Client interface. The title bar reads "XINFO PC Client - JCL - DSN". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tools like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, Graph, and New Libr. A callout box points to the "Subtable" icon in the ribbon, containing the text "... Subtable ...".

The Workspace Tree on the left shows a hierarchy: Scheduler > JCL > DSN. The main table displays job data with columns: Jobname, SNr, Program, DD-Name, CNr, DSN, EXPDT, SPACE, UNIT, Mem./Gen., and D. The table is filtered to show jobs with DSN 'xxrtc'. A callout box points to the table with the text: "Mark all lines which you want to have (hold Ctrl + left mouse click or mouse click + drag down) ...".

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem./Gen. | D |
|---------|-------|---------|---------|-------|------------------------------|-------|--------------------|-------|-----------|-------|
| <all> | <all> | <all> | <all> | <all> | xxrtc | <all> | <all> | <all> | <all> | <all> |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDR | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDT | | | | | 0 |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDS | | | | | 0 |
| XXRJCAD | 2 | XXRICAD | CADOCDI | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | TRK,(250,250),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDR | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDR | | TRK,(250,250),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDT | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDT | | TRK,(50,50),RLSE | | | N |
| XXRJCAD | 2 | XXRICAD | CADOCDS | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDS | | TRK,(50,50),RLSE | | | N |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC0 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC1 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC2 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC3 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC4 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC5 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC6 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC7 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC8 | | | | | 0 |
| XXRJCC | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCC9 | | | | | 0 |

Connected as: P392E, file: XX37T#25 Lines: 5000

PC Client - Search

The screenshot shows the XINFO PC Client interface with the 'Table' menu selected. The main window displays a table of search results for 'JCL - DSN (Subtable)'. The table has columns for Jobname, SNr, Program, DD-Name, CNr, DSN, EXPDT, SPACE, UNIT, Mem./Gen., DIS, Called-P, and Proclib (called). The 'Workspace Tree' on the left shows a hierarchy of folders including Scheduler, JCL, and DSN. Two callout boxes provide hints: one points to the 'JCL - DSN (Subtable)' tab, and another points to the table data.

... to create a new table with all chosen datasets

Just a hint: Each query gets a new tab which can be repositioned in the window

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem./Gen. | DIS | Called-P | Proclib (called) |
|---------|-------|---------|---------|-------|------------------------------|-------|--------------------|-------|-----------|-------|----------|------------------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDI | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R6. |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDR | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R6. |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDT | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R6. |
| XXRJCAD | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R6.DATA.XXRTCDS | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R6. |
| XXRJCAD | 2 | XXRICAD | CADOCDI | 0 | SYSH.XINFO.V3R6.D | | TRK,(250,250),RLSE | | | NCC | | |
| XXRJCAD | 2 | XXRICAD | CADOCDR | 0 | SYSH.XINFO.V3R6.D | | TRK,(250,250),RLSE | | | NCC | | |
| XXRJCAD | 2 | XXRICAD | CADOCDT | 0 | SYSH.XINFO.V3R6.D | | | | | NCC | | |
| XXRJCAD | 2 | XXRICAD | CADOCDS | 0 | SYSH.XINFO.V3R6.D | | | | | NCC | | |

PC Client - New Tab

The screenshot shows the XINFO PC Client interface. The main window title is "XINFO PC Client - JCL - EXEC Statements". The ribbon includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The "Table" ribbon is active, showing options like "Copy", "Select All", "Toggle Selection", "Customize", "Use Default", "Use Custom", "Group", "Statistics", "All", "Subtable", "Graph", "Show SQL", "Show criteria", "Inverse Filter", "New", "Library Explorer", and "Chart".

The main workspace displays a table with columns: Jobname, SNr, Type, Program, ProcStep, (called), CallingP, PLg, Prg-Orig, PARM, and REGION. A context menu is open over the "JCL - EXEC Stat" tab, with "New Vertical Tab Group" highlighted. A callout bubble points to this option with the text: "Click on the tab with a right mouse click and select 'New Vertical Tab Group'".

| Jobname | SNr | Type | Program | ProcStep | (called) | CallingP | PLg | Prg-Orig | PARM | REGION |
|----------|-----|------|----------|----------|----------|----------|---------|----------|----------------------------------|--------|
| XXRJD202 | 1 | PGM | IDCAMS | IDCAMS | | | | IDCAMS | 'MARGINS(1 72)' | |
| XXRJD202 | 2 | PGM | XXRICPTS | | | | | IKJEFT1B | | 17408 |
| XXRJD202 | 3 | PGM | XXRID21 | | | | | XXRID21 | 'RPTOPT(OFF)';/MSGLEVEL=1' | 32768 |
| XXRJD202 | 4 | PROC | | | | | | | | |
| XXRJD202 | 4 | PGM | SORT | SORT | XXRJSORT | SORT1 | | SORT | | 32768 |
| XXRJD202 | 5 | PROC | | | XXRJSORT | Y | SORT2 | | | |
| XXRJD202 | 5 | PGM | SORT | SORT | XXRJSORT | SORT2 | | | | 32768 |
| XXRJD202 | 6 | PROC | | | XXRJSORT | Y | SORT3 | | | |
| XXRJD202 | 6 | PGM | SORT | SORT | XXRJSORT | SORT3 | | | | 32768 |
| XXRJD202 | 7 | PROC | | | XXRJSORT | Y | SORT4 | | | |
| XXRJD202 | 7 | PGM | SORT | SORT | XXRJSORT | SORT4 | | | | 32768 |
| XXRJD202 | 8 | PGM | XXRID22 | | | | | | '(OFF)';/MSGLEVEL=1,1ST=Y' | 17408 |
| XXRJD202 | 9 | PGM | XXRCSQL | | | | | | '(OFF)';/ | 32768 |
| XXRJD202 | 10 | PGM | XXRCSQL | | | | | | '(OFF)';/ | 32768 |
| XXRJD202 | 11 | PGM | XXRID22 | | | | | XXRID22 | 'RPTOPT(OFF)';/MSGLEVEL=1,1ST=N' | 17408 |
| XXRJD202 | 12 | PROC | | | XXRJSORT | Y | SORT5 | | | |
| XXRJD202 | 12 | PGM | SORT | SORT | XXRJSORT | SORT5 | | | | 32768 |
| XXRJD202 | 13 | PROC | | | XXRJUNC | Y | DELETE2 | | | |
| XXRJD202 | 13 | PGM | IDCAMS | IDCAMS | XXRJUNC | DELETE2 | | IDCAMS | 'MARGINS(1 72)' | |

PC Client - New Tab

The tabs displayed in a vertical presentation.

JCL - JOB Statements

| Jobname | Account | Programmers Name | C | M | NOTIFY | PR | REGION | RESTART | TYPR |
|----------|---------|------------------|---|---|---------|----|--------|---------|-------|
| <all> | <all> | <all> | | | <all> | | <all> | <all> | <all> |
| XXRJDBC0 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDBC0 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDBC1 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDBC1 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDBC2 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDBC2 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDBC2 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDCD | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDCD | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDC1 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDC1 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDC2 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDC2 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDCM | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDCM | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDC1 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDC1 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDC2 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDC2 | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |
| XXRJDCM | ACCOUNT | HORIZONTAL | A | T | &SYSUID | | | | |

JCL - EXEC Statements

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) |
|----------|-------|-------|----------|----------|----------|---|----------|-------------------|
| <all> | <all> | <all> | <all> | <all> | <all> | | <all> | <all> |
| XXRJD202 | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R6.P |
| XXRJD202 | 2 | PGM | XXRICPTS | | | | COPYTAB | |
| XXRJD202 | 3 | PGM | XXRID21 | | | | RESVIEW | |
| XXRJD202 | 4 | PROC | | | XXRJSORT | Y | SORT1 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 4 | PGM | SORT | SORT | XXRJSORT | | SORT1 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 5 | PROC | | | XXRJSORT | Y | SORT2 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 5 | PGM | SORT | SORT | XXRJSORT | | SORT2 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 6 | PROC | | | XXRJSORT | Y | SORT3 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 6 | PGM | SORT | SORT | XXRJSORT | | SORT3 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 7 | PROC | | | XXRJSORT | Y | SORT4 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 7 | PGM | SORT | SORT | XXRJSORT | | SORT4 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 8 | PGM | XXRID22 | | | | EXTSQL | |
| XXRJD202 | 9 | PGM | XXRCSQL | | | | SCANSQL1 | |
| XXRJD202 | 10 | PGM | XXRCSQL | | | | SCANSQL2 | |
| XXRJD202 | 11 | PGM | XXRID22 | | | | CNVFMT | |
| XXRJD202 | 12 | PROC | | | XXRJSORT | Y | SORT5 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 12 | PGM | SORT | SORT | XXRJSORT | | SORT5 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 13 | PROC | | | XXRJUNC | Y | DELETE2 | SYSH.XINFO.V3R6.P |
| XXRJD202 | 13 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE2 | SYSH.XINFO.V3R6.P |

PC Client - New Tab

The tabs displayed in a horizontal presentation.

Or click on the tab with a right mouse click and select "New Horizontal" or "Vertical Tab Group".

| Jobname | Account | Programmers Name | C | M | NOTIFY | PR | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHE | IR | JES |
|----------|---------|------------------|---|---|---------|----|--------|---------|--------|-------|-------|-------|-------|-------|-------|
| <all> | <all> | <all> | | | <all> | | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJDBC0 | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDBC0 | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDBC1 | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDBC1 | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDCD | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDCD | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | HORIZONT | A | T | &SYSUID | | | | | | | | | | |

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | Ca | REGION |
|----------|-------|-------|----------|----------|----------|---|---------|-------------------------|-------|--------|
| <all> | <all> | <all> | <all> | <all> | <all> | | <all> | <all> | <all> | <all> |
| XXRJD202 | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R6.PROCLIB | | |
| XXRJD202 | 2 | PGM | XXRICPTS | | | | COPYTAB | | | 17408 |
| XXRJD202 | 3 | PGM | XXRID21 | | | | RESVIEW | | | 32768 |
| XXRJD202 | 4 | PROC | | | XXRJSORT | Y | SORT1 | SYSH.XINFO.V3R6.PROCLIB | | |
| XXRJD202 | 4 | PGM | SORT | SORT | XXRJSORT | | SORT1 | SYSH.XINFO.V3R6.PROCLIB | | 32768 |
| XXRJD202 | 5 | PROC | | | XXRJSORT | Y | SORT2 | SYSH.XINFO.V3R6.PROCLIB | | |
| XXRJD202 | 5 | PGM | SORT | SORT | XXRJSORT | | SORT2 | SYSH.XINFO.V3R6.PROCLIB | | 32768 |
| XXRJD202 | 6 | PROC | | | XXRJSORT | Y | SORT3 | SYSH.XINFO.V3R6.PROCLIB | | |
| XXRJD202 | 6 | PGM | SORT | SORT | XXRJSORT | | SORT3 | SYSH.XINFO.V3R6.PROCLIB | | 32768 |
| XXRJD202 | 7 | PROC | | | XXRJSORT | Y | SORT4 | SYSH.XINFO.V3R6.PROCLIB | | |

PC Client - Context Help

The screenshot displays the XINFO PC Client interface. A dialog window titled "JCL - DSN" is open, showing a list of JCL parameters and their values. The parameters include Jobname, Stepnumber, Programname, DD-Name, Concat-Number, Dataset Name, Member/Generation, Disposition, Called Procedure, Proclib (called), LRECL, BLKSIZE, RECFM, DSORG, KEYLEN, and DCB (Rest). The Jobname field is set to "XXRJC*". A callout box with a dark blue background and white text points to the Dataset Name field, containing the text: "If you need help, click in a field and press F1". The interface also shows a menu bar with "File", "Home", "Table", and "New" options, and a Workspace Tree on the left side.

| Parameter | Value |
|-------------------|--------|
| Jobname | XXRJC* |
| Stepnumber | |
| Programname | |
| DD-Name | |
| Concat-Number | |
| Dataset Name | |
| Member/Generation | |
| Disposition | |
| Called Procedure | |
| Proclib (called) | |
| LRECL | |
| BLKSIZE | |
| RECFM | |
| DSORG | |
| KEYLEN | |
| DCB (Rest) | |

PC Client - Context Help

The screenshot shows the XINFO PC Client interface. On the left is a navigation tree with categories like Introduction, User Interface, Displays, Line Commands, Browse, Search, Search Result Bar, Legend Bar, Output Bar, Details, Scripts (Batch Interface), Administration, and License. The main area displays a 'Filters' dialog titled 'TWS z/OS - Job Netplan'. The dialog contains several filter criteria with dropdown menus for operators and text input fields for values. The criteria are: Application (operator >=, value A), Application (operator <, value B), Jobname (operator =), Operation No. (operator =), Workstation (operator =), Subsystem (operator =), Predecessor level (operator 0), and Successor level (operator 0). An 'AND' dropdown is positioned between the first two Application filters. At the bottom of the dialog are 'OK', 'Actions', and 'Cancel' buttons. The 'Actions' menu is open, showing options: Reset, Show SQL, Load Filter..., Save Filter, Save Filter As..., Create shortcut..., and Create selection file... Above the dialog, a navigation bar shows 'Navigation: Displays >' and 'Filters' with a text box containing the following text: 'Filters are shown whenever you select a display from the workspace. The filter remembers the last entered values. It is not necessary to specify any search criteria here, but it is recommended, as it reduces the amount of data transferred from the server.'

A context sensitive help with additional informations will open

PC Client - Comparison operators

JCL - JOB Statements

Jobname = XXRJ*

Account =

Programmers Name <>

CLASS >

MSGCLASS <

NOTIFY >=

PRIORITY <=

REGION IS NULL

RESTART NOT NULL

TYPRUN =

USER =

GROUP =

IS EMPTY

NOT EMPTY

EXIST

NOT EXIST

SELECT ALL

JCL-Lib =

Member =

OK Actions Cancel

There are different operators which can be used for your selection

”=” = equals;
”<>” = not equal;
”>” = greater than;
”<” = less than;
”>=” = greater than or equal,
”<=” = less than or equal;
IS NULL = field is \emptyset ;
NOT NULL = field is not \emptyset , has data
IS EMPTY = field has no data
NOT EMPTY = field has data
EXIST = criteria exists
NOT EXIST = criteria dont exists
SELECT ALL = Together with Exist/Not Exist

Comparison Operators (2)

Is Null:

All data records are displayed for which the selected data field is empty, that is, contains NULL. The display shows a minus sign.

Not Null:

All data records are displayed for which the selected data field is not empty.

Exists:

The operator enables queries like „show me all files of the job(s) that contain the file ABC“. This means that not only the lines in which the file ABC appears are displayed, but also all the other files of the relevant job. This operator is especially useful in combination with the 99 operator, since only with this the following query can be made: "Give me all jobs that use the file ABC **and** the file XYZ".

Not Exists:

The operator enables queries like „show me all files of the job(s) in which the file ABC does **not** occur“. This operator is like the Exist operator especially useful in combination with the 99 operator, since only with this the following query can be made: "Give me all jobs in which **neither** the file ABC **nor** the file XYZ is used".

Select All:

The operator is used to specify the reference field for the EX and NX operators. If these operators refer to the top field of the input panel, the SA operator can be omitted.

PC Client - EXIST (1)

The screenshot shows the 'XINFO PC Client' window with a dialog box titled 'TWS z/OS - Spec. Res./Oper.'. The dialog contains several fields with dropdown menus and text boxes. Two fields are highlighted with red boxes: 'Application ID' with the value 'HOR10*' and 'Special Resource' with the value 'EXIST' and 'TSXY000B'. Two callout boxes provide explanations for these values.

Here are some examples to explain how EXIST, NOT EXIST, SELECT ALL, IS NULL, NOT NULL, IS EMPTY and NOT EMPTY works

Select „HOR10*“ as Application ID and EXIST „TSXY000B“ for Special Resource

| Field | Operator | Value |
|--------------------|----------|------------|
| Application ID | = | HOR10* |
| Status (A/P) | = | |
| Valid To | = | DD.MM.YYYY |
| Jobname | = | |
| Workstation | = | |
| Operation Number | = | |
| Special Resource | EXIST | TSXY000B |
| Type (S/X) | = | |
| Numeric Amount | = | |
| Keep on Err. Flag | = | |
| Avail. On Complete | = | |
| Subsystem | = | |

PC Client - EXIST (1)

XINFO PC Client - TWS z/OS - Spec. Res./Oper.

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter

TWS z/OS - Spec. Res./Oper.

| Application ID | Jobname | WSID | ON | Special Resource | T | Amount | K |
|----------------|----------|------|-----|------------------|---|--------|---|
| HOR10DAY | HOR10006 | CPU | 006 | TSXY000A | S | 0 | |
| HOR10DAY | HOR10006 | CPU | 006 | TSXY000B | S | 0 | |
| HOR10DAY | HOR10010 | CPU | 010 | TSXY000A | S | 0 | |
| HOR10DAY | HOR10010 | CPU | 010 | TSXY000B | S | 0 | |
| HOR10DAY | HOR10013 | CPU | 013 | TSXY000A | X | | |
| HOR10DAY | HOR10013 | CPU | 013 | TSXY000B | S | | |
| HOR10DAY | HOR10015 | CPU | 015 | TSXY000A | S | | |
| HOR10DAY | HOR10015 | CPU | 015 | TSXY000B | X | | |
| HOR10DAY | HOR10025 | CPU | 025 | TSXY000A | S | 0 | |
| HOR10DAY | HOR10025 | CPU | 025 | TSXY000B | S | 0 | A |
| HOR10DAY | HOR10030 | CPU | 030 | TSXY000A | S | 0 | A |
| HOR10DAY | HOR10030 | CPU | 030 | TSXY000B | S | 0 | A |
| HOR10DAY | HOR10031 | CPU | 031 | TSXY000A | X | 0 | A |
| HOR10DAY | HOR10031 | CPU | 031 | TSXY000B | X | 0 | A |
| HOR10DAY | HOR10036 | CPU | 036 | TSXY000A | S | 0 | A |
| HOR10DAY | HOR10036 | CPU | 036 | TSXY000B | S | 0 | A |

Connected as: P392E, file: XX37T#25

Lines: 16

All records with Application „HOR10*“ and Special Resource „TSXY000B“ are shown. Dependent from Application ID, TSXY000A is also shown (Exist works only with Select All which is automatically set for the topmost selection-field)

PC Client - NOT EXIST (1)

The screenshot shows the XINFO PC Client interface. A dialog box titled "TWS z/OS - Spec. Res./Oper." is open, displaying various configuration fields. Two fields are highlighted with red boxes: "Application ID" set to "HOR10*" and "Special Resource" set to "NOT EXIST". A callout bubble points to these fields with the text: "Select „HOR10*“ as Application ID and **NOT EXIST** „TSXY000B“ for Special Resource".

| Field | Value |
|--------------------|-----------|
| Application ID | HOR10* |
| Status (A/P) | = |
| Valid To | = |
| Jobname | = |
| Workstation | = |
| Operation Number | = |
| Special Resource | NOT EXIST |
| Type (S/X) | = |
| Numeric Amount | = |
| Keep on Err. Flag | = |
| Avail. On Complete | = |
| Subsystem | = |

PC Client - NOT EXIST (1)

The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left lists various data categories, with 'Spec. Res./Oper.' selected. An 'Information' dialog box is displayed in the center, containing the text 'No data have been found.' and an 'OK' button. A callout bubble points to the dialog box with the text: 'No records for this selection because there is no records without TSXY000B (see slide)'. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25'.

PC Client - EXIST (2)

The screenshot shows the XINFO PC Client interface. The 'Table' menu is active, and a dialog window titled 'TWS z/OS - Spec. Res./Oper.' is open. The dialog contains several fields for configuration. Two fields are highlighted with red boxes: 'Application ID' set to 'HOR*' and 'Special Resource' set to 'EXIST'. A callout box points to the 'Application ID' field with the text 'Select „HOR*“ as Application ID and EXIST „TSXY000B“ for Special Resource'. Another callout box at the top right says 'Another example to demonstrate operator EXIST'. The 'Workspace Tree' on the left shows the 'Spec. Res./Oper.' folder selected. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25'.

| Field | Value |
|--------------------|-------|
| Application ID | HOR* |
| Status (A/P) | = |
| Valid To | = |
| Jobname | = |
| Workstation | = |
| Operation Number | = |
| Special Resource | EXIST |
| Type (S/X) | = |
| Numeric Amount | = |
| Keep on Err. Flag | = |
| Avail. On Complete | = |
| Subsystem | = |

Another example to demonstrate operator EXIST

Select „HOR*“ as Application ID and EXIST „TSXY000B“ for Special Resource

Connected as: P392E, file: XX37T#25

PC Client - EXIST (2)

XINFO PC Client - TWS z/OS - Spec. Res./Oper.

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Subtable Graph Table Functions Show SQL Inverse Filter Tools New Library Chart

| Application ID | Jobname | WSID | ON | Special Resource | T | Amount | K | S | Valid To | OnCompl | SubS |
|----------------|----------|------|-----|------------------|---|--------|---|---|------------|---------|------|
| HOR10DAY | HOR10006 | CPU | 006 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10006 | CPU | 006 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10010 | CPU | 010 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10010 | CPU | 010 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10013 | CPU | 013 | TSXY000A | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10013 | CPU | 013 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10015 | CPU | 015 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10015 | CPU | 015 | TSXY000B | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10025 | CPU | 025 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10025 | CPU | 025 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10030 | CPU | 030 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10030 | CPU | 030 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10031 | CPU | 031 | TSXY000A | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10031 | CPU | 031 | TSXY000B | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10036 | CPU | 036 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10036 | CPU | 036 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR20DAY | HOR20005 | CPU | 005 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR20DAY | HOR20010 | CPU | 010 | TSXY000A | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR20DAY | HOR20015 | CPU | 015 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |

Connected as: P5926, file: XX37T#25

Lines: 40

All records with Application „HOR*“ and Special Resource „TSXY000B“ are shown. Dependent from Application ID, TSXY000A is also shown (Exist with Select All)

PC Client - NOT EXIST (2)

The screenshot shows the 'XINFO PC Client' application window with a dialog box titled 'TWS z/OS - Spec. Res./Oper.' open. The dialog box contains several fields for configuration. Two fields are highlighted with red rectangles: 'Application ID' and 'Special Resource'. The 'Application ID' field is set to 'HOR*' and the 'Special Resource' field is set to 'NOT EXIST' with 'TSXY000B' in the adjacent text box. Two callout boxes provide instructions: one points to the 'Application ID' field with the text 'Another example to demonstrate operator NOT EXIST', and another points to the 'Special Resource' field with the text 'Select „HOR*“ as Application ID and NOT EXIST „TSXY000B“ for Special Resource'. The 'Workspace Tree' on the left shows a tree structure with 'Spec. Res./Oper.' selected. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25'.

| Field | Value |
|--------------------|-----------|
| Application ID | HOR* |
| Status (A/P) | = |
| Valid To | = |
| Jobname | = |
| Workstation | = |
| Operation Number | = |
| Special Resource | NOT EXIST |
| Type (S/X) | = |
| Numeric Amount | = |
| Keep on Err. Flag | = |
| Avail. On Complete | = |
| Subsystem | = |

Another example to demonstrate operator NOT EXIST

Select „HOR*“ as Application ID and NOT EXIST „TSXY000B“ for Special Resource

PC Client - NOT EXIST (2)

The difference to this slide is, that applications without TSXY000B are shown (e.g. HOR10DAY)

| Application ID | Jobname | WSID | ON | Special Resource | T | Amount | K | S | Valid To | OnCompl | SubS |
|----------------|----------|------|-----|-------------------------|---|--------|---|---|------------|---------|------|
| HOR50DAY | HOR50011 | CPU | 011 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR50DAY | HOR50031 | CPU | 031 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR90DEMO | AHZ00011 | CPU | 011 | TS.HOR9000 | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR90DEMO | AHZ00011 | CPU | 011 | TS.HOR9001 | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR90DEMO | AHZ00011 | CPU | 011 | TS.HOR9002 | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR91DEMO | AHZ00011 | CPU | 011 | TS.HOR9000 | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR91DEMO | AHZ00011 | CPU | 011 | TS.HOR9001 | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR94DEMO | AHZ00011 | CPU | 011 | TS.HOR9000 | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR94DEMO | AHZ00011 | CPU | 011 | TS.HOR9001 | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR94DEMO | AHZ00011 | CPU | 011 | TS.HOR9002 | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR94DEMO | AHZ00012 | DMY | 012 | TSXY000A | S | 0 | | | | | |
| HOR95DEMO | HOR95011 | CPU | 011 | HORIZONTAL-SPECIAL-JOBS | X | 1 | | | | | |
| HOR95DEMO | HOR95012 | CPU | 012 | HORIZONTAL-SPECIAL-JOBS | X | 1 | | | | | |
| HOR95DEMO | HOR95013 | CPU | 013 | HORIZONTAL-SPECIAL-JOBS | X | 1 | | | | | |
| HOR96DEMO | HOR96002 | W002 | 012 | TS.HOR9000 | X | 0 | | | | | |
| HOR96DEMO | HOR96002 | W002 | 012 | TS.HOR9001 | S | | | | | | |
| HOR96DEMO | HOR96002 | W002 | 012 | TS.HOR9002 | S | | | | | | |
| HOR96DEMO | HOR96003 | W003 | 013 | TSXY000A | S | 0 | | | | | |
| HOR99DAY | HOR99010 | CPU | 010 | HOR99010 | X | 0 | | | | | |

All records with Application „HOR*“ and without Special Resource „TSXY000B“ are shown

Connected as: P522, file: XX37T#25 Lines: 56

How does the Select All operator work?

- The Select All operator works only with Exist and Not Exist
- If you select e.g. Programname with an Exist, but the SA operator is omitted, it is assumed for the topmost field in the input-panel (e.g. Jobname).
 - Now all Jobnames which include at least one exist-selection will be shown
 - Records which have the same Jobname but no matching exist-selection, will also be shown
- If you select Programname with an Exist and DD-Name with a SA (without a selection), you get all records which contain the Exist and all records which have the same DD-Name as the DD-Name of the Exist

PC Client - SELECT ALL

JCL - DSN

| | | | |
|-------------------|------------|--------|--|
| Jobname | = | | |
| Stepnumber | = | | |
| Programname | EXIST | IDCAMS | |
| DD-Name | SELECT ALL | | |
| Concat-Number | = | | |
| Dataset Name | = | | |
| Member/Generation | | | |
| Disposition | | | |
| Called Procedure | | | |
| Proclib (called) | | | |
| LRECL | | | |
| BLKSIZE | = | | |
| RECFM | = | | |
| DSORG | = | | |
| KEYLEN | = | | |
| DCB (Rest) | = | | |

| | | |
|--------------------|---|--|
| EXPDT | = | |
| RETPD | = | |
| UNIT | = | |
| SPACE | = | |
| VOLSER 1 | = | |
| VOLSER 2 | = | |
| Num of VOLSER | = | |
| VOLUME (as in JCL) | = | |
| DATACLAS | = | |
| MGMTCLAS | = | |
| STORCLAS | = | |
| ACCODE | = | |
| AMP | = | |
| AVGREC | = | |
| BLKSZLIM | = | |
| CCSID | = | |
| CURT | = | |

OK Actions Cancel

Select **EXIST** „IDCAMS“ as Programname and **Select All** for DD-Name

PC Client - SELECT ALL

XINFO PC Client - JCL - DSN

File Home Table Netplan Barchart Chart Script View Style

JCL - DSN

| Jobname | SNr | Program | DD-Name | CNr | DSN | EXPDT | SPACE | UNIT | Mem/Gen. | DIS | Called-P | Proclib (called) |
|----------|-------|----------|---------|-------|--|-------|-------|-------|----------|-------|----------|-------------------------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <...> | <all> | <all> | <all> | <all> |
| A00DXN0A | 1 | IEBGENER | SYSIN | 0 | DUMMY | | | | | | | |
| A7141TJB | 1 | IEFBR14 | SYSIN | 0 | BRIAN.TRANDATE.CDDMMYY | | | | | SKK | A7141TJP | BRIAN.REXX.PROJECT |
| B00HGFP3 | 1 | IEBR14 | SYSIN | 0 | * | | | | | | | |
| DB2C | 1 | IDCAMS | SYSIN | 0 | * | | | | | | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2C | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2COB2 | 1 | IDCAMS | SYSIN | 0 | * | | | | | | | |
| DB2COB2 | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | | | | ODD | | |
| DB2COB2T | 1 | IDCAMS | SYSIN | 0 | * | | | | | | | |
| DB2COB2T | 1 | IDCAMS | SYSIN | 0 | P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1 | | | | | ODD | | |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | * | | | | | | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2COMP | 2 | ISRSUPC | SYSIN | 0 | * | | | | | | | |
| DB2COMP | 3 | ISRSUPC | SYSIN | 0 | * | | | | | | | |
| DB2COMP | 4 | ISRSUPC | SYSIN | 0 | * | | | | | | | |
| DB2PL11 | 1 | IDCAMS | SYSIN | 0 | * | | | | | | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2PL11 | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2PL11.REPORT | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2PL11 | 2 | DSNTEP2 | SYSIN | 0 | * | | | | | | | |
| DB2PL12 | 1 | IDCAMS | SYSIN | 0 | * | | | | | | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| DB2PL12 | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2PL12.REPORT | | | | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB |
| XXRJRUNS | 1 | DSNUTLB | SYSIN | 0 | * | | | | | | XXRJ2UTL | SYSH.XINFO.V3R5.PROCLIB |
| ETTJOB | 1 | IDCAMS | SYSIN | 0 | * | | | | | | | |
| FTT.IOR | 1 | IDCAMS | SYSIN | 0 | SYSH XXXX FTT01 | | | | | ODD | | |

Connected as: P392E, file: XX37T#25

Lines: 5000

Now all records which have IDCAMS as Programname or the DD-Name which IDCAMS has (all IDCAMS records have DD-Name SYSIN) are selected

PC Client - SELECT ALL

XINFO PC Client - JCL - DSN (Grouped)

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Chart

| Count | DD-Name |
|-------|---------|
| 2 | BCDS |
| 3 | IN |
| 2 | MCDS |
| 2 | OUT |
| 4 | OUTDS |
| 4985 | SYSIN |
| 2 | TEMPLOG |

If you group all records by DD-Name you can see that not only SYSIN is shown because some records have Programname IDCAMS but not DD-NAME SYSIN (see [slide](#) e.g.)

Connected as: P392E, file: XX37T#25 Lines: 7

PC Client - SELECT ALL

XINFO PC Client - JCL - DSN (Grouped)

File Home Table Netplan Barchart Chart Script View

JCL - DSN JCL - DSN (Grouped)

| Count | Program |
|-------|----------|
| 10 | <all> |
| 1 | ADRDSSU |
| 4 | CTMRPLN |
| 4 | DFHCSDUP |
| 653 | DSNTEP2 |
| 2 | DSNTIAD |
| 4 | DSNTIAUL |
| 658 | DSNUTILB |
| 4 | EQQBATCH |
| 1 | EQQEVPGM |
| 2314 | IDCAMS |
| 9 | IEBCOPY |
| 405 | IEBGENER |
| 1 | IEBR14 |
| 8 | IEBUPDTE |
| 8 | IEFBR14 |
| 3 | ISRSUPC |
| 232 | ITCXASQL |
| 9 | ITXCNV5 |
| 10 | JUPIPO |
| 4 | RMOGRW |
| 295 | SORT |
| 4 | TMSBINQ |
| 8 | XXRCC |
| 2 | XXRCCM3 |

Workspace Tree

Connected as: P392E, file: XX37T#25

Lines: 46

If you group all records by Programname you can see that not only IDCAMS is shown because some records have DD-Name SYSIN but not Programname IDCAMS (see next slide)

PC Client - SELECT ALL

XINFO PC Client - JCL - DSN

File Home Table Netplan Barchart Chart Script View Style

JCL - DSN

Workspace Tree

| Jobname | SNr | Program | DD-Name | CNr | DSN | Mem/Gen. | DIS | Called-P | Proclib (called) | LRECL | BLKSZ | RECF | ORG | K |
|----------|-------|---------|---------|-------|--|----------|-------|----------|-------------------------|-------|-------|-------|-------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJDCL1 | 2 | IDCAMS | BCDS | 0 | SYSH.HSM.BCDS | | SKK | | | | | | | |
| X36JDCL1 | 2 | IDCAMS | BCDS | 0 | SYSH.HSM.BCDS | | SKK | | | | | | | |
| ROTJVSAM | 1 | IDCAMS | IN | 0 | * | | | | | | | | | |
| OPAJBAK | 1 | IDCAMS | IN | 0 | SYSH.TWSAUDIT.V7R3M0.DATA.VSAM.JTWK | | SKK | | | | | | | |
| OPAJBAK | 1 | IDCAMS | IN | 0 | SYSH.TWSAUDIT.V6R4M0.DATA.VSAM.JTWK | | SKK | | | | | | | |
| XXRJDCL1 | 2 | IDCAMS | MCDS | 0 | SYSH.HSM.MCDS | | SKK | | | | | | | |
| X36JDCL1 | 2 | IDCAMS | MCDS | 0 | SYSH.HSM.MCDS | | SKK | | | | | | | |
| OPAJBAK | 1 | IDCAMS | OUT | 0 | SYSH.TWSAUDIT.V7R3M0.BACKUP | +1 | NCC | | | 32500 | | VBS | PS | |
| OPAJBAK | 1 | IDCAMS | OUT | 0 | SYSH.TWSAUDIT.V6R4M0.BACKUP | +1 | NCC | | | 32500 | | VBS | PS | |
| XXRJDCL2 | 2 | IDCAMS | OUTDS | 0 | SYSH.XINFO.V3R6.DATA.DCOLLECT.CA | | NCC | | | 32756 | 0 | VB | | |
| XXRJDCL1 | 2 | IDCAMS | OUTDS | 0 | SYSH.XINFO.V3R6.DATA.DCOLLECT.IBM | | NCC | | | 32756 | 0 | VB | | |
| X36JDCL1 | 2 | IDCAMS | OUTDS | 0 | SYSH.XINFO.V3R6.DATA.DCOLLECT.IBM | | NCC | | | 32756 | 0 | VB | | |
| X36JDCL2 | 2 | IDCAMS | OUTDS | 0 | SYSH.XINFO.V3R6.DATA.DCOLLECT.CA | | NCC | | | 32756 | 0 | VB | | |
| DB2C | 1 | IDCAMS | SYSIN | 0 | * | | | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB | | | | | |
| DB2C | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2C.REPORT | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB | | | | | |
| DB2COB2 | 1 | IDCAMS | SYSIN | 0 | * | | | | | | | | | |
| DB2COB2 | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT | | ODD | | | | | | | |
| DB2COB2T | 1 | IDCAMS | SYSIN | 0 | * | | | | | | | | | |
| DB2COB2T | 1 | IDCAMS | SYSIN | 0 | P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1 | | ODD | | | | | | | |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | * | | | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB | | | | | |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP.REPORT | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB | | | | | |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP2.REPORT | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB | | | | | |
| DB2COMP | 1 | IDCAMS | SYSIN | 0 | SYSH.XINFO.V3R5.DATA.DB2COMP3.REPORT | | ODD | XXRJUNC | SYSH.XINFO.V3R5.PROCLIB | | | | | |
| DB2COMP | 2 | IDCAMS | SYSIN | 0 | * | | | | | | | | | |

Connected as: P392E, file: XX37T#25

Lines: 5000

PC Client - IS NULL (1)

The screenshot shows the XINFO PC Client interface. A dialog box titled "TWS z/OS - Spec. Res./Oper." is open, displaying various configuration fields. Two fields are highlighted with red boxes: "Application ID" and "Special Resource".

| Field | Value |
|--------------------|---------|
| Application ID | HOR* |
| Status (A/P) | = |
| Valid To | = |
| Jobname | = |
| Workstation | = |
| Operation Number | = |
| Special Resource | IS NULL |
| Type (S/X) | = |
| Numeric Amount | = |
| Keep on Err. Flag | = |
| Avail. On Complete | = |
| Subsystem | = |

A callout box points to the "Jobname" field with the text: "Select „HOR10*“ as Application ID and IS NULL for Special Resource".

At the bottom of the dialog, there are buttons for "OK", "Actions", and "Cancel".

The background shows the "Workspace Tree" on the left, with "Spec. Res./Oper." selected under the "TWS z/OS" folder. The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25".

PC Client - IS NULL (1)

The screenshot displays the XINFO PC Client interface. The 'Workspace Tree' on the left lists various data sources, with 'Spec. Res./Oper.' highlighted. An 'Information' dialog box is open in the center, displaying the message: 'No data have been found.' and an 'OK' button. A callout bubble points to the dialog box with the text: 'No records for this selection because there is no dataset with a null in Special Resource'. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25'.

No records for this selection because there is no dataset with a null in Special Resource

PC Client - IS NULL (2)

TWS z/OS - Application Basics

| | | | |
|--------------------|----------------|--|------------|
| Application ID | = | | |
| Description | = | | |
| Type (A/G) | = | | |
| Status (A/P) | = | | |
| Valid From | = | | DD.MM |
| Valid To | = | | DD.MM |
| Priority | IS NULL | | |
| Calendar | = | | |
| Owner ID | = | | |
| Owner Description | = | | |
| Authority Group | = | | |
| Group Definition | = | | |
| No. of Run Cycles | = | | |
| No. of Operations | = | | |
| Time Limit | = | | |
| Job Description | = | | |
| Any Monitored Job? | = | | |
| Smoothing Factor | = | | |
| Limit for Feedback | = | | |
| Last Update User | = | | |
| Last Update Date | = | | DD.MM.YYYY |
| Last Update Time | = | | HH:MM:SS |
| Subsystem | = | | |

Select all records with Priority IS NULL

Connected as: P392E, file: XX37T#25

PC Client - IS NULL (2)

XINFO PC Client - TWS z/OS - Application Basics

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Chart

TWS z/OS - Application Basics

| Application ID | T | S | Valid From | Valid To | Run | Op | Description | P | Calendar | T | J | Mon | Upd:User | Upd:Date | UTime | Aut.grp. | Owner ID | Owner Description |
|----------------|---|---|------------|------------|------|----|--------------------------|-------|----------|---|---|------|----------|------------|----------|----------|----------|-------------------|
| <all> | | | <all> | <all> | <..> | | <all> | <all> | <all> | | | <..> | <all> | <all> | <all> | <all> | <all> | <all> |
| CONDZ | G | A | 15.07.2010 | 31.12.2071 | 1 | 0 | Test ext.cond.dep | | DEFAULT | N | N | N | P390K | 19.07.2010 | 10:21:00 | | P390K | Helmut |
| DCPA00 | G | A | 28.06.2012 | 31.12.2071 | 2 | 0 | Test dyn.crit path | | DEFAULT | N | N | N | P390K | 24.01.2013 | 12:34:00 | | P390K | Helmut |
| DCPA10 | G | A | 18.09.2012 | 31.12.2071 | 3 | 0 | Test dyn.crit path | | DEFAULT | N | N | N | P390K | 24.01.2013 | 12:34:00 | | P390K | Helmut |
| GOCC | G | A | 15.07.2010 | 31.12.2071 | 1 | 0 | Test Group | | DEFAULT | N | N | N | P390K | 19.07.2010 | 09:57:00 | | P390K | Helmut |
| HOR01DAY# | G | A | 25.09.2008 | 31.12.2071 | 1 | 0 | HORIZONT Prod-Part 0.1-3 | | DEFAULT | N | N | N | P390K | 19.07.2010 | 13:20:00 | TEST | HORIZONT | HORIZONT RZ GmbH |
| TCPA00 | G | A | 12.09.2012 | 31.12.2071 | 1 | 0 | Test crit path group A | | DEFAULT | N | N | N | P390K | 24.01.2013 | 12:34:00 | | P390K | Helmut |
| TCPB00 | G | A | 12.09.2012 | 31.12.2071 | 1 | 0 | Test crit path group B | | DEFAULT | N | N | N | P390K | 24.01.2013 | 12:34:00 | | P390K | Helmut |

Connected as: P392E, file: XX37T#25 Lines: 7

All records with a null in Priority (value is null but not visible)

PC Client - NOT NULL (1)

The screenshot shows the XINFO PC Client interface. A dialog box titled "TWS z/OS - Spec. Res./Oper." is open, displaying various configuration fields. Two fields are highlighted with red rectangles: "Application ID" with the value "HOR10*" and "Special Resource" with the value "NOT NULL". A callout box points to the "Application ID" field with the text: "Select „HOR10*“ as Application ID and **NOT NULL** for Special Resource".

| Field | Value |
|--------------------|------------|
| Application ID | HOR10* |
| Status (A/P) | = |
| Valid To | DD.MM.YYYY |
| Jobname | = |
| Workstation | = |
| Operation Number | = |
| Special Resource | NOT NULL |
| Type (S/X) | = |
| Numeric Amount | = |
| Keep on Err. Flag | = |
| Avail. On Complete | = |
| Subsystem | = |

PC Client - NOT NULL (1)

XINFO PC Client - TWS z/OS - Spec. Res./Oper.

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Chart

TWS z/OS - Spec. Res./Oper.

| Application ID | Jobname | WSID | ON | Special Resource | T | Amount | K | S | Valid To | OnCompl | SubS |
|----------------|----------|------|-----|------------------|---|--------|---|---|------------|---------|------|
| HOR10DAY | HOR10006 | CPU | 006 | TSXY000A | S | 0 | | | | | |
| HOR10DAY | HOR10006 | CPU | 006 | TSXY000B | S | 0 | | | | | |
| HOR10DAY | HOR10010 | CPU | 010 | TSXY000A | S | 0 | | | | | |
| HOR10DAY | HOR10010 | CPU | 010 | TSXY000B | S | 0 | | | | | |
| HOR10DAY | HOR10013 | CPU | 013 | TSXY000A | X | 0 | | | | | |
| HOR10DAY | HOR10013 | CPU | 013 | TSXY000B | S | 0 | | | | | |
| HOR10DAY | HOR10015 | CPU | 015 | TSXY000A | S | 0 | | | | | |
| HOR10DAY | HOR10015 | CPU | 015 | TSXY000B | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10025 | CPU | 025 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10025 | CPU | 025 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10030 | CPU | 030 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10030 | CPU | 030 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10031 | CPU | 031 | TSXY000A | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10031 | CPU | 031 | TSXY000B | X | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10036 | CPU | 036 | TSXY000A | S | 0 | | A | 31.12.2071 | | TXGC |
| HOR10DAY | HOR10036 | CPU | 036 | TSXY000B | S | 0 | | A | 31.12.2071 | | TXGC |

Connected as: P392E, file: XX37T#25 Lines: 16

All records with Application ID „HOR10*“ and Special Resource which is NOT NULL or with data

PC Client - NOT NULL (2)

TWS z/OS - Application Basics

Application ID = []

Description = []

Type (A/G) = []

Status (A/P) = []

Valid From = [] DD.MM.YYYY

Valid To = [] DD.MM.YYYY

Priority NOT NULL

Calendar = []

Owner ID = []

Owner Description = []

Authority Group = []

Group Definition = []

No. of Run Cycles = []

No. of Operations = []

Time Limit = []

Job Description = []

Any Monitored Job? = []

Smoothing Factor = []

Limit for Feedback = []

Last Update User = []

Last Update Date = [] DD.MM.YYYY

Last Update Time = [] HH:MM:SS

Subsystem = []

OK Actions Cancel

Select all records with Priority NOT NULL

PC Client - NOT NULL (2)

XINFO PC Client - TWS z/OS - Application Basics

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Subtable Graph Show SQL Inverse Filter New Library Table Functions Tools Chart

TWS z/OS - Application Basics

Application ID T S Valid From Valid To Run Op Description P Calendar T J Mon Upd:User Upd:Date UTime Aut.grp. Owner ID

| Application ID | T | S | Valid From | Valid To | Run | Op | Description | P | Calendar | T | J | Mon | Upd:User | Upd:Date | UTime | Aut.grp. | Owner ID |
|----------------|---|---|------------|------------|-----|----|--------------------------|---|----------|---|---|-----|----------|------------|----------|----------|----------|
| ACRIT0 | A | A | 01.10.2008 | 31.12.2071 | 1 | 1 | Test Critical Path start | 5 | DEFAULT | N | N | N | P390K | 27.07.2016 | 09:38:00 | | P390K |
| ACRIT1 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | ERIC | 08.10.2015 | 13:16:00 | | P390K |
| ACRIT2 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:12:00 | | P390K |
| ACRIT3 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | BRIAN | 26.04.2012 | 00:16:00 | | P390K |
| ACRIT4 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:19:00 | | P390K |
| ACRIT5 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:13:00 | | P390K |
| ACRIT6 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:13:00 | | P390K |
| ACRIT7 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | ERIC | 05.11.2015 | 17:28:00 | | P390K |
| ACRIT99 | A | A | 19.07.2010 | 31.12.2071 | 1 | 1 | Test Critical Path end | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 20:14:00 | | P390K |
| ADHOC#HZ0001 | A | A | 01.03.2008 | 31.12.2071 | 0 | 5 | Ad Hoc Application | 5 | DEFAULT | N | N | N | P390K | 19.07.2010 | 10:13:00 | | P390K |
| ADHOC#HZ0002 | A | A | 18.03.2008 | 31.12.2071 | 0 | 3 | Ad Hoc Application | 5 | DEFAULT | N | N | N | P390K | 19.07.2010 | 10:13:00 | | P390K |
| ADHOC#HZ0003 | A | A | 18.03.2008 | 31.12.2071 | 0 | 3 | Ad Hoc Application | 5 | DEFAULT | N | N | N | P390K | 19.07.2010 | 10:15:00 | | P390K |
| ADHOC#ULI | A | A | 29.11.2014 | 31.12.2071 | 0 | 5 | Ad Hoc Application | 5 | DEFAULT | N | N | N | P391T | 30.11.2014 | 13:46:00 | | P391T |
| AETTSEND | A | A | 02.10.2006 | 31.12.2071 | 0 | 1 | Test DS-Trig. + ETT Var. | 8 | DEFAULT | N | N | N | P390K | 22.08.2011 | 11:16:00 | | P390K |
| APPLEVERY | A | P | 02.10.2006 | 31.12.2071 | 2 | 1 | Test "Every" RUN-Cycle | 5 | DEFAULT | N | N | N | P390K | 16.07.2010 | 11:06:00 | | P390K |
| ASDEP1 | A | A | 18.10.2009 | 31.12.2071 | 1 | 1 | Test cond. step dep | 5 | DEFAULT | N | N | N | P391T | 22.02.2015 | 11:20:00 | | P390K |
| ASDEP2 | A | A | 18.10.2009 | 31.12.2071 | 1 | 1 | Test cond. step dep | 5 | DEFAULT | N | N | N | P391T | 22.02.2015 | 11:35:00 | | P390K |
| ASDEP3 | A | A | 04.11.2009 | 31.12.2071 | 1 | 3 | Test cond. step dep | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:09:00 | | P390K |

Connected as: P392E, file: XX37T#25 Lines: 169

All records without a null in Priority (or with data)

PC Client - IS EMPTY (overview)

XINFO PC Client - TWS z/OS - Application Basics

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Subtable Graph Table Functions Show SQL Inverse Filter Tools New Library Chart

TWS z/OS - Application Basics

| Application ID | T | S | Valid From | Valid To | Run | Op | Description | P | Calendar | T | J | Mon | Upd:User | Upd:Date | UTime | Aut.grp. | Owner ID | Owner E |
|----------------|---|---|------------|------------|------|----|--------------------------|---|----------|---|---|------|----------|------------|----------|----------|----------|---------|
| <all> | | | <all> | <all> | <..> | | <all> | | <all> | | | <..> | <all> | <all> | <all> | <all> | <all> | <..> |
| GOCC | G | A | 15.07.2010 | 31.12.2071 | 1 | 0 | Test Group | | DEFAULT | N | N | N | P390K | 19.07.2010 | 09:57:00 | | P390K | Helmut |
| GOCC1 | A | A | 21.05.2008 | 31.12.2071 | 0 | 4 | Test Group | 8 | DEFAULT | N | N | N | P390K | 19.07.2010 | 09:32:00 | | P390K | Helmut |
| GOCC2 | A | A | 21.05.2008 | 31.12.2071 | 0 | 3 | Test Group | 8 | DEFAULT | N | N | N | P390K | 19.07.2010 | 09:32:00 | | P390K | Helmut |
| GOCC3 | A | A | 26.01.2009 | 31.12.2071 | 0 | 2 | Test Group | 8 | DEFAULT | N | N | N | P390K | 19.07.2010 | 09:32:00 | | P390K | Helmut |
| HOR00DAY | A | A | 15.06.2002 | 31.12.2071 | | | | | | | | | P391T | 13.09.2016 | 17:03:00 | | HORIZONT | |
| HOR01DAY | A | A | 25.09.2008 | 31.12.2071 | | | | | | | | | P390K | 15.12.2010 | 17:48:00 | TEST | HORIZONT | HORIZO |
| HOR01DAY# | G | A | 25.09.2008 | 31.12.2071 | | | | | | | | | P390K | 19.07.2010 | 13:20:00 | TEST | HORIZONT | HORIZO |
| HOR02DAY | A | A | 25.09.2008 | 31.12.2071 | | | | | | | | | | 19.07.2010 | 13:20:00 | TEST | HORIZONT | HORIZO |
| HOR03DAY | A | A | 25.09.2008 | 31.12.2071 | | | | | | | | | P390K | 15.12.2010 | 17:43:00 | TEST | HORIZONT | HORIZO |
| HOR05DAY | A | A | 01.09.2016 | 31.12.2071 | 1 | 3 | HORIZONT Test Span CPEXT | 5 | DEFAULT | N | N | N | P390K | 06.09.2016 | 08:52:00 | TEST | P390K | HORIZO |
| HOR06DAY | A | A | 01.09.2016 | 31.12.2071 | 1 | 3 | HORIZONT Test Span CPEXT | 6 | DEFAULT | N | N | N | P390K | 06.09.2016 | 08:52:00 | TEST | P390K | HORIZO |
| HOR07DAY | A | A | 01.09.2016 | 31.12.2071 | 1 | 3 | HORIZONT Test Span CPEXT | 7 | DEFAULT | N | N | N | P390K | 06.09.2016 | 08:52:00 | TEST | P390K | HORIZO |
| HOR10DAY | A | A | 15.06.2002 | 31.12.2071 | 1 | 23 | HORIZONT Prod-Part 1 | 5 | DEFAULT | N | N | N | P390K | 30.03.2016 | 12:28:00 | | HORIZONT | |
| HOR20DAY | A | A | 01.01.2014 | 31.12.2071 | 1 | 23 | HORIZONT Prod-Part 2 | 7 | DEFAULT | N | N | N | P390K | 19.03.2016 | 13:39:00 | | HORIZONT | |
| HOR25DAY | A | A | 15.06.2002 | 31.12.2071 | 1 | 1 | HORIZONT Prod-Part 2b | 5 | DEFAULT | N | N | N | P390K | 03.05.2012 | 15:53:00 | | HORIZONT | |
| HOR30DAY | A | A | 15.06.2002 | 31.12.2071 | 1 | 23 | HORIZONT Prod-Part 3 | 5 | DEFAULT | N | N | N | P390K | 19.03.2016 | 13:39:00 | | HORIZONT | |
| HOR35DAY | A | A | 15.06.2002 | 31.12.2071 | 1 | 1 | HORIZONT Prod-Part 3b | 5 | DEFAULT | N | N | N | P390K | 03.05.2012 | 15:53:00 | | HORIZONT | |
| HOR40DAY | A | A | 15.06.2002 | 31.12.2071 | 1 | 23 | HORIZONT Prod-Part 4 | 5 | DEFAULT | N | N | N | P390K | 19.07.2010 | 13:20:00 | | HORIZONT | |

Connected as: P392E, file: XX37T#25

Lines: 176

There are four records with „TEST“ in field Authority Group

PC Client - IS EMPTY

Select all records with Authority Group IS EMPTY

Authority Group IS EMPTY

Application ID = []

Description []

Type (A/G) []

Status (A/P) []

Valid From []

Valid To []

Priority = []

Calendar = []

Owner ID = []

Owner Description = []

Group Definition = []

No. of Run Cycles = []

No. of Operations = []

Time Limit = []

Job Description = []

Any Monitored Job? = []

Smoothing Factor = []

Limit for Feedback = []

Last Update User = []

Last Update Date = [] DD.MM.YYYY

Last Update Time = [] HH:MM:SS

Subsystem = []

OK Actions Cancel

Connected as: P392E, file: XX37T#25

PC Client - IS EMPTY

XINFO PC Client - TWS z/OS - Application Basics

File Home Table Netplan Barchart Chart Script View

Logon Logoff SQL Help About Home Note

Connect Options Help

TWS z/OS - Application Basics

Application ID T S Valid From Valid To Run Op Description P Calendar T J Mon Upd:User Upd:Date Aut.grp. Owner ID Owner Des

| Application ID | T | S | Valid From | Valid To | Run | Op | Description | P | Calendar | T | J | Mon | Upd:User | Upd:Date | Aut.grp. | Owner ID | Owner Des |
|----------------|---|---|------------|------------|------|----|--------------------------|---|----------|---|---|------|----------|------------|----------|----------|-----------|
| <all> | | | <all> | <all> | <..> | | <all> | | <all> | | | <..> | <all> | <all> | <all> | <all> | <all> |
| ACRIT0 | A | A | 01.10.2008 | 31.12.2071 | 1 | 1 | Test Critical Path start | 5 | DEFAULT | N | N | N | P390K | 27.07.2016 | 09:38:00 | P390K | Demo for |
| ACRIT1 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | ERIC | 08.10.2015 | 13:16:00 | P390K | |
| ACRIT2 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:12:00 | P390K | |
| ACRIT3 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | BRIAN | 26.04.2012 | 00:16:00 | P390K | |
| ACRIT4 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:19:00 | P390K | |
| ACRIT5 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:13:00 | P390K | |
| ACRIT6 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:13:00 | P390K | |
| ACRIT7 | A | A | 01.10.2006 | 31.12.2071 | 1 | 1 | Test Critical Path | 5 | DEFAULT | N | N | N | ERIC | 05.11.2015 | 17:28:00 | P390K | |
| ACRIT99 | A | A | 19.07.2010 | 31.12.2071 | 1 | 1 | Test Critical Path end | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 20:14:00 | P390K | |
| ADHOC#HZ0001 | A | A | 01.03.2008 | 31.12.2071 | 0 | 5 | Ad Hoc Application | 5 | DEFAULT | N | N | N | P390K | 19.07.2010 | 10:13:00 | P390K | Test |
| ADHOC#HZ0002 | A | A | 18.03.2008 | 31.12.2071 | 0 | 3 | Ad Hoc Application | 5 | DEFAULT | N | N | N | P390K | 19.07.2010 | 10:13:00 | P390K | Test |
| ADHOC#HZ0003 | A | A | 18.03.2008 | 31.12.2071 | 0 | 3 | Ad Hoc Application | 5 | DEFAULT | N | N | N | P390K | 19.07.2010 | 10:15:00 | P390K | Test |
| ADHOC#ULI | A | A | 29.11.2014 | 31.12.2071 | 0 | 5 | Ad Hoc Application | 5 | DEFAULT | N | N | N | P391T | 30.11.2014 | 13:46:00 | P391T | Test |
| AETTSEND | A | A | 02.10.2006 | 31.12.2071 | 0 | 1 | Test DS-Trig. + ETT Var. | 8 | DEFAULT | N | N | N | P390K | 22.08.2011 | 11:16:00 | P390K | |
| APPLEVERY | A | P | 02.10.2006 | 31.12.2071 | 2 | 1 | Test "Every" RUN-Cycle | 5 | DEFAULT | N | N | N | P390K | 16.07.2010 | 11:06:00 | P390K | |
| ASDEP1 | A | A | 18.10.2009 | 31.12.2071 | 1 | 1 | Test cond. step dep | 5 | DEFAULT | N | N | N | P391T | 22.02.2015 | 11:20:00 | P390K | Helmut |
| ASDEP2 | A | A | 18.10.2009 | 31.12.2071 | 1 | 1 | Test cond. step dep | 5 | DEFAULT | N | N | N | P391T | 22.02.2015 | 11:35:00 | P390K | Helmut |
| ASDEP3 | A | A | 04.11.2009 | 31.12.2071 | 1 | 3 | Test cond. step dep | 5 | DEFAULT | N | N | N | P390K | 17.11.2011 | 08:09:00 | P390K | Helmut |

Connected as: P392E, file: XX37T#25

Lines: 167

All records without datasets in Authority Group

PC Client - NOT EMPTY

The screenshot shows the XINFO PC Client interface. A dialog box titled "TWS z/OS - Application Basics" is open, displaying various configuration fields. The "Authority Group" field is highlighted with a red rectangular box and contains the text "NOT EMPTY". A dark blue speech bubble with white text points to this field, stating "Select all records with Authority Group NOT EMPTY".

The dialog box contains the following fields:

- Application ID
- Description
- Type (A/G)
- Status (A/P)
- Valid From
- Valid To
- Priority
- Calendar
- Owner ID
- Owner Description
- Authority Group (highlighted with "NOT EMPTY")
- Group Definition
- No. of Run Cycles
- No. of Operations
- Time Limit
- Job Description
- Any Monitored Job?
- Smoothing Factor
- Limit for Feedback
- Last Update User
- Last Update Date (format: DD.MM.YYYY)
- Last Update Time (format: HH:MM:SS)
- Subsystem

Buttons at the bottom of the dialog include "OK", "Actions", and "Cancel".

PC Client - NOT EMPTY

XINFO PC Client - TWS z/OS - Application Basics

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Chart

TWS z/OS - Application Basics

| Application ID | T | S | Valid From | Valid To | Run | Op | Description | P | Calendar | T | J | Mon | Upd:User | Upd:Date | UTime | Aut.grp. | Owner ID | Owner Description |
|----------------|---|---|------------|------------|------|-----|--------------------------|---|----------|---|---|------|----------|------------|----------|----------|----------|-------------------|
| <all> | | | <all> | <all> | <..> | | <all> | | <all> | | | <..> | <all> | <all> | <all> | <all> | <all> | <all> |
| HOR01DAY | A | A | 25.09.2008 | 31.12.2071 | 0 | 3 | HORIZONT Prod-Part 0.1 | 5 | DEFAULT | N | N | N | P390K | 15.12.2010 | 17:48:00 | TEST | HORIZONT | HORIZONT RZ GmbH |
| HOR01DAY# | G | A | 25.09.2008 | 31.12.2071 | 1 | 0 | HORIZONT Prod-Part 0.1-3 | | DEFAULT | N | N | N | P390K | 19.07.2010 | 13:20:00 | TEST | HORIZONT | HORIZONT RZ GmbH |
| HOR02DAY | A | A | 25.09.2008 | 31.12.2071 | 0 | 3 | HORIZONT Prod-Part 0.2 | 5 | DEFAULT | N | N | N | P390K | 19.07.2010 | 13:20:00 | TEST | HORIZONT | HORIZONT RZ GmbH |
| HOR03DAY | A | A | 25.09.2008 | 31.12.2071 | 0 | 3 | HORIZONT Prod-Part 0.3 | 5 | DEFAULT | N | N | N | P390K | 15.12.2010 | 17:43:00 | TEST | HORIZONT | HORIZONT RZ GmbH |
| HOR05DAY | A | A | 01.09.2016 | 31.12.2071 | 1 | 3 | HORIZONT Test Span CPEXT | 5 | DEFAULT | N | N | N | P390K | 06.09.2016 | 08:52:00 | TEST | P390K | HORIZONT RZ GmbH |
| HOR06DAY | A | A | 01.09.2016 | 31.12.2071 | 1 | 3 | HORIZONT Test Span CPEXT | 6 | DEFAULT | N | N | N | P390K | 06.09.2016 | 08:52:00 | TEST | P390K | HORIZONT RZ GmbH |
| HOR07DAY | A | A | 01.09.2016 | 31.12.2071 | 1 | 3 | HORIZONT Test Span CPEXT | 7 | DEFAULT | N | N | N | P390K | 06.09.2016 | 08:52:00 | TEST | P390K | HORIZONT RZ GmbH |
| XINFO37 | A | A | 09.03.2015 | 31.12.2071 | 1 | 117 | XINFO V3R7 | 5 | DEFAULT | N | N | N | P391T | 16.09.2016 | 13:53:00 | XINFO | XINFO | |
| XINFO40 | A | A | 09.03.2015 | 31.12.2071 | 1 | 117 | XINFO V4R0 | 5 | DEFAULT | N | N | N | P391T | 07.09.2016 | 16:42:00 | XINFO | XINFO | |

Connected as: P392E, file: XX37T#25 Lines: 9

All records with datasets in Authority Group

Comparison Operator OR (like command 99 in ISPF dialog)

The screenshot shows the 'JCL - EXEC Statements' dialog window. It contains several fields for defining search criteria. The 'Programname' field is highlighted with a red box and contains the text 'XXR*'. Below it, the 'PARM' field is also highlighted with a red box and contains two lines: '*MSGLEVEL=1*' and '*ML=1*'. To the right of these fields, there is a dropdown menu currently set to 'OR'. Callout boxes provide additional context: one points to the 'Programname' field with the text 'Search for all program names with XXR* and ...'; another points to the 'PARM' field with the text 'Option 99: Click on the label'; a third points to the 'OR' dropdown with the text 'You can specify "OR" as well as "AND"'; and a fourth points to the 'PARM' field with the text '... in program parameter with MSGLEVEL=1 or ML=1, no matter at which position.' At the bottom of the dialog, there are buttons for 'OK', 'Actions', and 'Cancel'.

| | | |
|---------------------|---|--------------|
| Jobname | = | |
| Stepnumber | = | |
| Type (PROC/PGM) | = | |
| Programname | = | XXR* |
| ProcStepname | = | |
| Procedurename | = | |
| Proc found (Y/N) | = | |
| JobStepname | = | |
| Proclib (called) | = | |
| Calling Procedure | = | |
| Proclib (calling) | = | |
| Programname (orig.) | = | |
| PARM | = | *MSGLEVEL=1* |
| | = | *ML=1* |
| REGION | = | |

Selection Panel - Details & Tips (1)

The screenshot shows the XINFO PC Client interface with the 'SMF - Jobruntime Barchart' dialog box open. The dialog box contains a list of fields for selection criteria. Two fields are highlighted with red boxes: 'Jobname' and 'Jesname'. Callouts provide examples of how to use wildcards and placeholders in these fields.

Jobname = all beginning with "H"

You can work with Wildcards ...

Jesname is e.g. JOB68001, etc.

... and with placeholder.

| Field | Operator | Value |
|--------------------|----------|---------------------|
| Jobname | = | H* |
| Owner | = | |
| Jesname | = | JOB%%001 |
| System ID | = | |
| Return-Code | = | |
| Submit Time | = | YYYY-MM-DD-HH:MM:SS |
| Start Time | = | YYYY-MM-DD-HH:MM:SS |
| End Time | = | YYYY-MM-DD-HH:MM:SS |
| Duration (sec) | = | |
| Wait for Initiator | = | |
| CPU-Time (sec) | = | |
| EXCP | = | |
| Waits for Enqueue | = | |
| Waits for Device | = | |

Selection Panel - Details & Tips (2)

The screenshot shows the XINFO PC Client interface. On the left is the Workspace Tree with folders like Scheduler, JCL, DB2, CICS, IMS, SMF, Space, PO, Output, Programs, Source, Distributed, and XINEO. The SMF folder is expanded, showing Job Information, Step Information, Dataset Usage, zFS file usage, CICS Monitor Tran, Printer, and CA XCOM. The Jobruntime Barchart folder is selected. The main window displays the SMF - Jobruntime Barchart dialog box with the following fields:

| | | | |
|-------------------|---|------------------|---------------------|
| Jobname | = | | |
| Owner | = | | |
| Jesname | = | | |
| System ID | = | | |
| Return-Code | = | | |
| Submit Time | = | | YYYY-MM-DD-HH:MM:SS |
| Start Time | = | YESTERDAY | YYYY-MM-DD-HH:MM:SS |
| End Time | = | | YYYY-MM-DD-HH:MM:SS |
| Duration (sec) | = | | |
| Waits for Enqueue | = | | |
| Waits for Device | = | | |

At the bottom of the dialog box are buttons for OK, Actions, and Cancel.

Helpful with date field: "Today", "Tomorrow", "Yesterday"

Selection Panel - Details & Tips (3)

SMF - Jobruntime Barchart

Jobname = []

Owner = []

Jesname = []

System ID = []

Return-Code = []

Submit Time = []

Start Time = [YESTERDAY]

End Time = []

Duration (sec) = []

Wait for Initiator = []

CPU-Time (sec) = []

EXCP = []

Waits for Enqueue = []

Waits for Device = []

OK Actions Cancel

- Reset
- Show SQL**
- Load Filter...
- Save Filter
- Save Filter As...
- Create shortcut...
- Create selection file...

Which jobs have been started yesterday?

Display the corresponding SQL, create shortcuts or save your selection as a Filter.

Selection Panel - Details & Tips (4)

The screenshot shows a software interface with two windows. The top window, titled "SMF - Jobruntime Barchart", contains a SQL query:

```
SELECT
  "XXRDATCLIENT", "XXRDATENV", "SMFJOBNAME", "SMFJESNAME", "SMFJOBSID", "SMFJOBRC", "SMFSTARTTS", "SMFENDTS",
  "SMFDURATION", "SMFTWAIT", "SMFTCPU", "SMFEXCP", "SMFWAITENQ", "SMFWAITDEV", "SMFJOBOWNER", "SMFSUBMIT"
FROM
  XXR40."XXRVSMJ"
WHERE
  ("SMFSTARTTS" BETWEEN '2018-09-06-00.00.00.000000' AND '2018-09-06-24.00.00.000000')
FOR FETCH ONLY FETCH FIRST 1000 ROWS ONLY
```

The bottom window, titled "SMF-Jobruntime.sql - Editor", contains the same SQL query with a menu bar: "Datei", "Bearbeiten", "Format", "Ansicht", "?". Below the editor is a dialog box with "OK", "Actions", and "Cancel" buttons. The "Actions" menu is open, showing options: "Reset", "Show Filter", "Load SQL...", "Save SQL", "Save SQL As...", and "Create SQL file..." (highlighted in yellow).

Save the SQL as a file to edit it.

You can save & load the SQL or create a file.

Selection Panel - Details & Tips (5)

The screenshot displays the XINFO PC Client interface for the 'SMF - Jobruntime Barchart'. The window title is 'XINFO PC Client - SMF - Jobruntime Barchart'. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with options like 'Smaller', 'Bigger', 'Subchart', 'Table', 'Search', 'Show SQL', and 'Show criteria'. A dark blue callout box in the top right corner contains the text 'Jobs since "yesterday"'. On the left, the 'Workspace Tree' shows a hierarchy of folders including Scheduler, JCL, DB2, CICS, IMS, SMF, Space, PO, Output, Programs, Source, Distributed, and XINEO. The 'SMF' folder is expanded, showing sub-items like Job Information, Step Information, Dataset Usage, zFS file usage, CICS Monitor Tran, Printer, and CA XCOM. The main area shows a bar chart for 'SMF - Jobruntime Barchart' with a time axis from 00:00 to 06:00 on 06.09.2018. The chart lists job names and their execution durations: TEST01 (00:00-00:05), TEST03 (00:00-00:05), TEST03B (00:00-00:05), TEST06 (00:00-04:45), TWPJST37 (00:00-00:05), TWPJSZ37 (00:00-00:05), and TXGCBAT (00:00-00:05). Below the bar chart is a histogram showing the distribution of job counts over time, with a peak around 00:05.

Selection Panel - Details & Tips (6)

Click on "Jobname" to get another selection field (Option 99)

All jobs which start with "XXR" but not with "XXRC"

| | | | |
|--------------------|----|-------|---------------------|
| Jobname | = | XXR* | AND |
| | <> | XXRC* | |
| | = | | |
| | = | | |
| | = | | |
| | = | | |
| | = | | YYYY-MM-DD-HH:MM:SS |
| | = | | YYYY-MM-DD-HH:MM:SS |
| | = | | YYYY-MM-DD-HH:MM:SS |
| End Time | = | | |
| Duration (sec) | = | | |
| Wait for Initiator | = | | |
| CPU-Time (sec) | = | | |
| EXCP | = | | |
| Waits for Enqueue | = | | |
| Waits for Device | = | | |

OK Actions Cancel

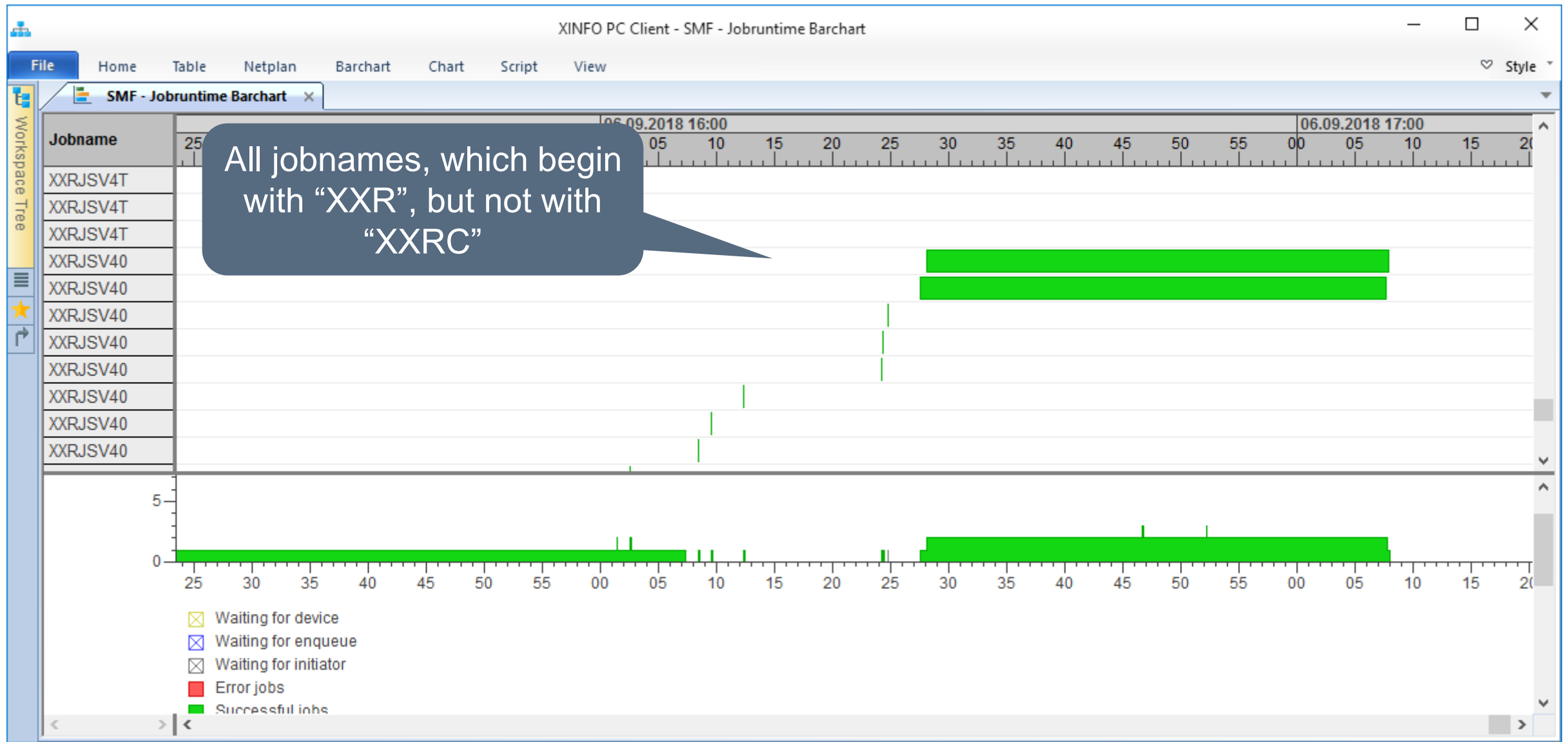
Selection Panel - Details & Tips (7)

The screenshot shows a dialog window titled "SMF - Jobruntime Barchart". Inside the window, there is a text area containing an SQL query. The query is as follows:

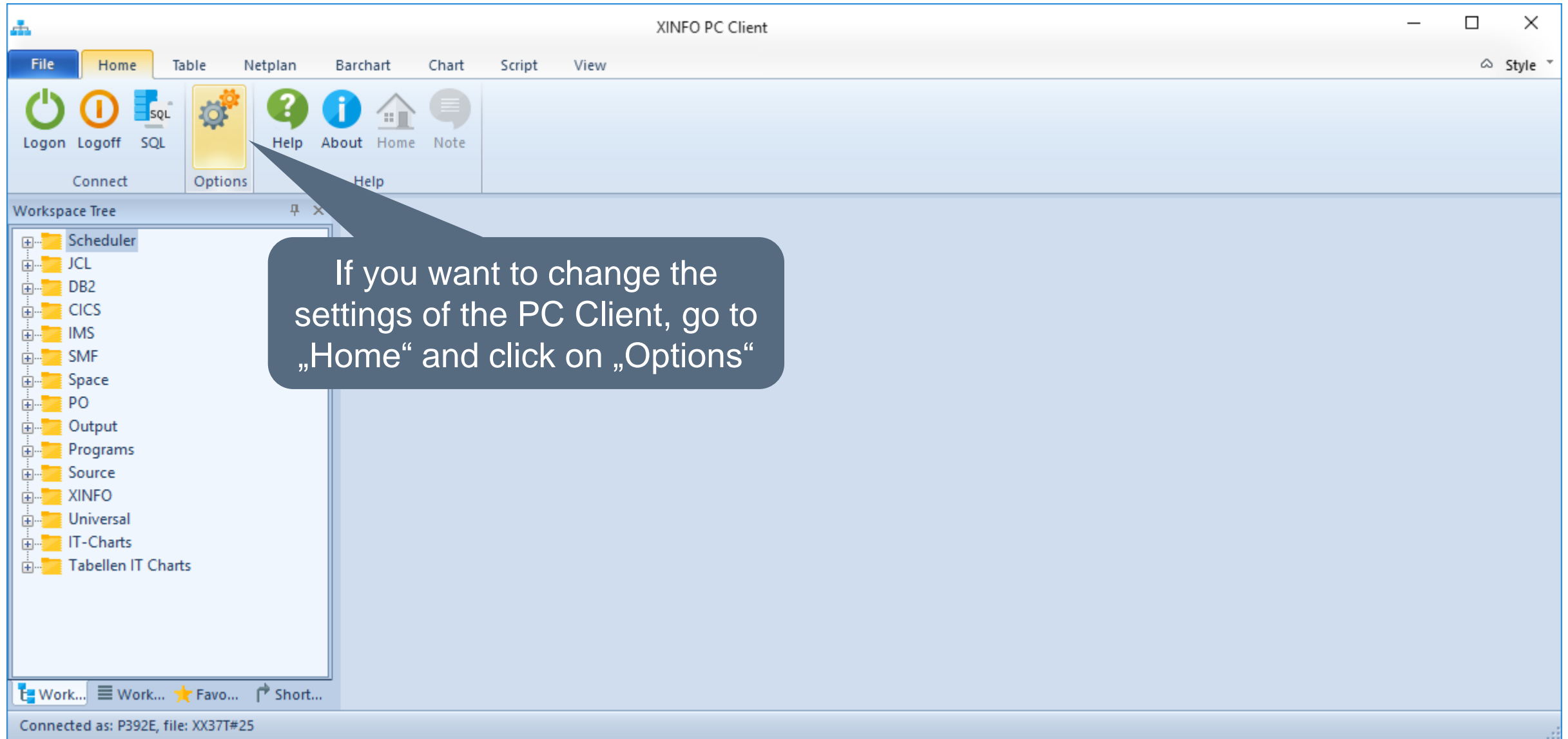
```
SELECT  
  "XXRDATCLIENT", "XXRDATEV", "SMFJOBNAME", "SMFJESNAME", "SMFJOBSID", "SMFJOBRC", "SMFSTARTTS", "SMFENDTS",  
  "SMFDURATION", "SMFTWAIT", "SMFTCPU", "SMFEXCP", "SMFWAITENQ", "SMFWAITDEV", "SMFJOBOWNER", "SMFSUBMIT"  
FROM  
  XXR40."XXRVSM1"  
WHERE  
  (("SMFJOBNAME" LIKE 'XXR%') AND ("SMFJOBNAME" NOT LIKE 'XXRC%'))  
FOR FETCH ONLY FETCH FIRST 1000 ROWS ONLY
```

The WHERE clause is highlighted with a red rectangle. A callout box with a dark blue background and white text points to the highlighted area, containing the text: "Result of 99 operator in SQL". At the bottom of the dialog window, there are three buttons: "OK", "Actions" (with a dropdown arrow), and "Cancel".

Selection Panel - Details & Tips (8)



PC Client - Options



PC Client - General Options (2)

Options

- General
 - Basic general options**
 - Netplan general options
 - Table general options
- Netplans
 - A-Auto
 - AOCS
 - Automic
 - Bagjas
 - CA-Scheduler
 - CA7
 - Control-M
 - JCL
 - Programs
 - Source
 - Streamworks
 - TWS Distributed
 - TWS z/OS
 - Universal
 - XINFO
 - Zeke
- Barcharts
 - Automic
 - Control-M
 - Distributed
 - IT-Charts
 - SMF
 - TWS z/OS

Basic general options

Logging

- Log message level: 3
- Maximal number of log lines: 10000
- Log network communication
- Log trace messages

Files and Directories

- Log directory: C:\Users\nico.HORIZONT-IT.000\XINFO PC Client\
- Temp directory: C:\Users\NICOHO~1.000\AppData\Local\Temp\XINFO PC Client\
- Local configuration: C:\Users\nico.HORIZONT-IT.000\AppData\Roaming\XINFO PC Client\Setting.x
- Admin configuration: C:\Users\nico.HORIZONT-IT.000\Desktop\XINFO\Admin.xml

Maximal number of data rows transferred from the server: 1000

Maximal number of lines transferred in browse functions: 1000

Exports: ,

Encoding and format

- Code page: Germany, Austria (IBM-273)
- Date format: Server

Ease

- Open the logon window on startup
- Keep the filter opened when no data are found

Number of lines in display. We recommend not to many.

OK Cancel

PC Client - Options

The screenshot shows the 'Options' dialog box for the PC Client. The left sidebar lists various categories: General, Netplans, and Barcharts. Under 'General', 'Basic general options' is selected and highlighted. The main area is titled 'Basic general options' and contains several sections:

- Logging:** Log message level (3), Maximal number of log lines (10000), Log network communication (unchecked), Log trace messages (unchecked).
- Files and Directories:** Log directory (C:\Users\nico.HORIZONT-IT\XINFO PC Client\), Temp directory (C:\Users\NICO~1.HOR\AppData\Local\Temp\XINFO PC Client\), Local configuration (C:\Users\nico.HORIZONT-IT\AppData\Roaming\XINFO PC Client\Setting.xml), Admin configuration (C:\Users\nico.HORIZONT-IT\Desktop\XINFO_PC_Client\Admin.xml).
- Wildcard and View:** Wildcard for all characters (*), Wildcard for one character (%), Default view of graphical displays (Graphic).
- Encoding and format:** Code page (Germany, Austria (IBM-273)), Date format (Server).
- Maximal number of data rows transferred from the server:** 5000 (highlighted in a red box).
- Maximal number of lines transferred in browse functions:** 5000 (highlighted in a red box).
- Separator for CSV exports:** ,

A callout bubble with a dark blue background and white text points to the two highlighted fields, stating: "You can change the number of listed data rows ...". At the bottom right, there are 'OK' and 'Cancel' buttons.

PC Client - Options

The screenshot shows the 'Options' dialog box with the following sections and settings:

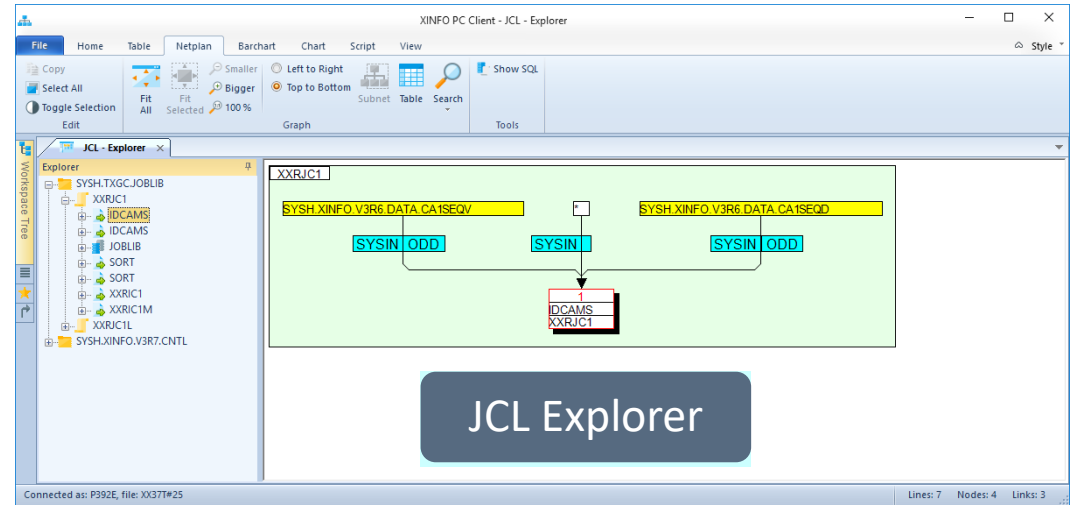
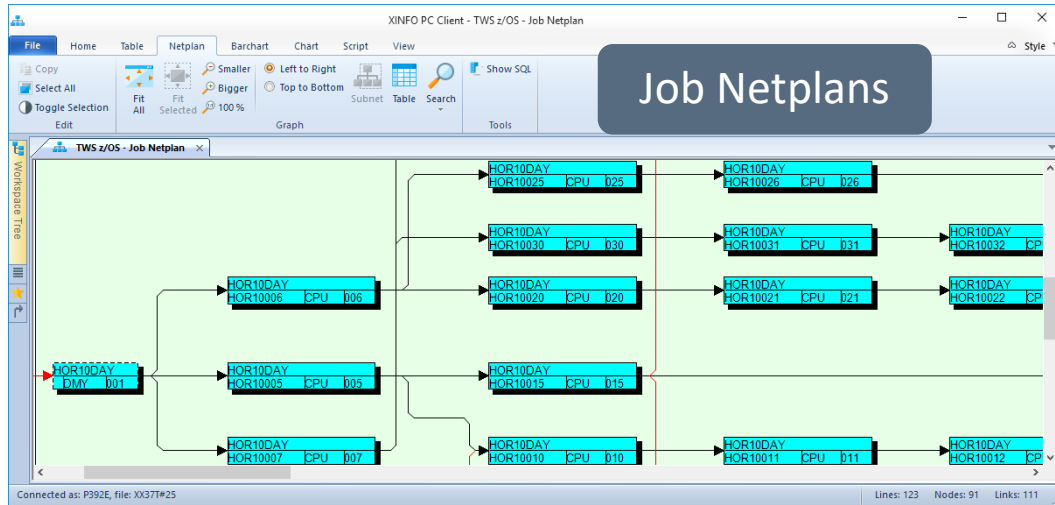
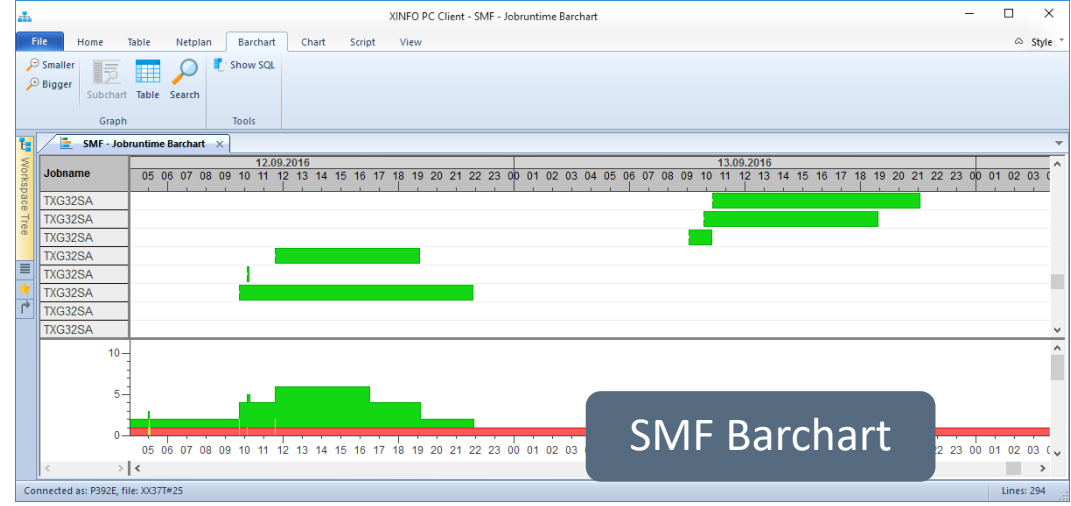
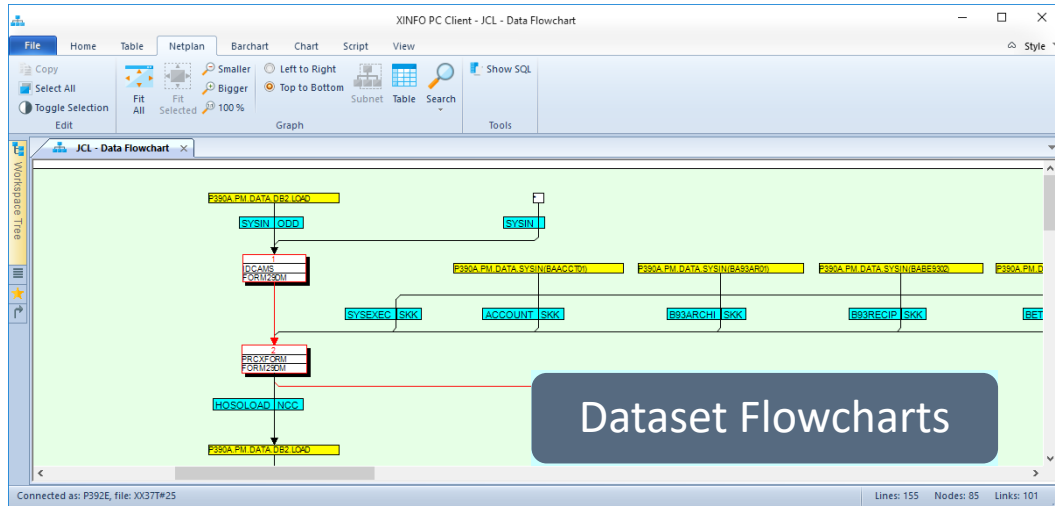
- General**
 - Basic general options
 - Netplan general options
 - Table general options
- Netplans**
 - A-Auto
 - AOCS
 - Automic
 - Bagjas
 - CA-Scheduler
 - CA7
 - Job Netplan
 - Graph options** (highlighted)
 - Node styles
 - Link styles
 - Job Netplan / No neg. and no cond.
 - Job Netplan / Trigger + Req.
 - Job Netplan / Trigger only.
 - Control-M
 - JCL
 - Programs
 - Source
 - Streamworks
 - TWS Distributed
 - TWS z/OS
 - Universal
 - XINFO
 - Zeke

- CA7 - Job Netplan - Graph options**
- Sheet properties**
 - Orientation: Left to right
 - Background color: White
 - Active cluster: [Empty]
- Cluster styles**
 - Level: 1 (highlighted)
 - Frame background color: Custom...
 - Node background color: White
 - Node text color: Black
 - Font: [Sample text]
- Time ruler**
 - Background color: [Empty]
 - Text color: [Empty]
 - Units: [Empty]
- Dependency levels for line commands**
 - Predecessor: 10
 - Successor: 10
- Link bundling**
 - Bundling: [Empty]
 - active. Available range of [Empty]

... or change the color and level of Predecessor/ Successor for e.g. CA7 Job Netplan

PC Client - Graphics

The XINFO client enables you to create Graphics:



Graphic Displays

Selection Criteria

Print Graphics

Dataset Flowchart

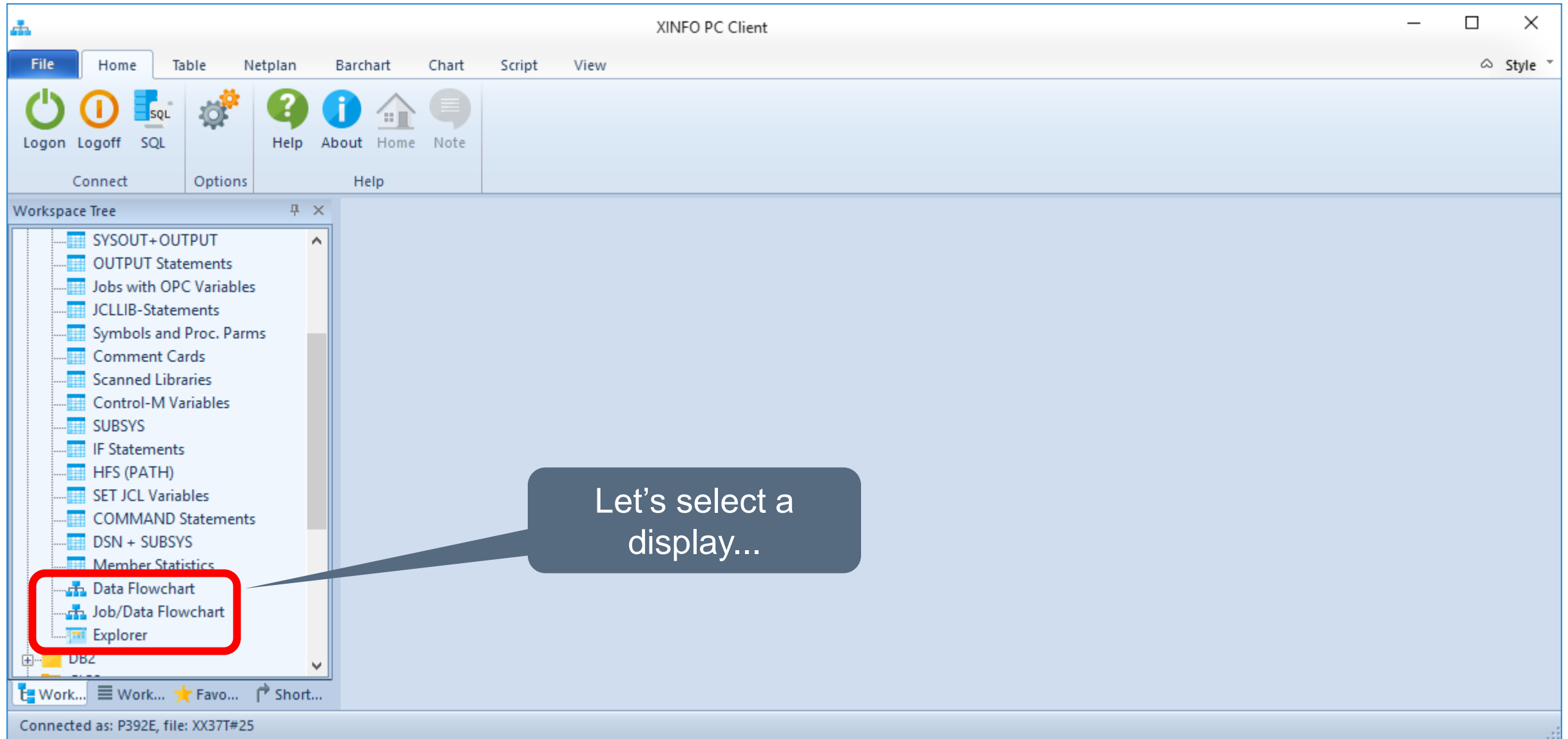
Job Netplan

JCL Explorer

SMF Barchart

More client functions ...

PC Client - Graphic Displays



Let's select a display...

PC Client - Selection Criteria

The screenshot shows the XINFO PC Client interface. The main window has a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with icons for Logon, Logoff, SQL, and Options. A Workspace Tree on the left lists various system components like SYSOUT+OUTPUT, OUTPUT Statements, Jobs with OPC Variables, JCLLIB-Statements, Symbols and Proc. Parm, Comment Cards, Scanned Libraries, Control-M Variables, SUBSYS, IF Statements, HFS (PATH), SET JCL Variables, COMMAND Statements, DSN + SUBSYS, Member Statistics, Data Flowchart, Job/Data Flowchart, and Explorer. The DB2 folder is expanded. A dialog box titled "JCL - Data Flowchart" is open, showing selection criteria for a job. The "Data Set Name" field is highlighted with a red box and contains the text "*XINFO*". A callout bubble points to this field with the text "... specify selection criteria ...". Another callout bubble points to the "OK" button with the text "... start the query ...". A large dark blue callout bubble in the center of the dialog box contains the text "Please note: Graphics like 'all jobs in my system' don't make any sense!". The dialog box also includes fields for Jobname, Data Set Member, DB2 Creator, JCL-Lib, Member, Predecessor level (set to 0), and Successor level (set to 0). Buttons for OK, Actions, and Cancel are at the bottom of the dialog box. The status bar at the bottom of the client window shows "Connected as: P392E, file: XX37T#25".

... specify selection criteria ...

Please note:
Graphics like "all jobs in my system" don't make any sense!

... start the query ...

PC Client - Resulting Graphics

The screenshot displays the XINFO PC Client interface with three main windows:

- IWS z/OS Job Netplan:** A tree view showing job dependencies. A job named 'HOR10DAY DMY 001' is highlighted with a red arrow. It branches into three sub-jobs: 'HOR10DAY HOR10006 CPU', 'HOR10DAY HOR10005 CPU', and 'HOR10DAY HOR10007 CPU'. Other jobs like 'APPLNOTTHERE' are also visible.
- SMF Jobruntime Barchart:** A bar chart showing job execution times across days 11, 12, and 13. The chart includes a table of job names and a bar graph with a red baseline and green bars. A legend indicates 'Waiting for device' (checked) and 'Waiting for enqueue' (unchecked).
- JCL Data Flowchart:** A flowchart showing the sequence of JCL steps. It starts with 'SYSIN', followed by 'DD1 MDD', and then a series of 'IEFBR14' steps (labeled 1, 2, 3, 4) connected by arrows. Data sets like 'SYSH.XINFO.V3R6.DATA.CTMCON' and 'SYSH.XINFO.V3R6.DATA.CTMDSI.DS1' are also shown.

Callouts and annotations:

- A speech bubble above the SMF window says "... and get the Graphics!".
- A speech bubble below the Job Netplan window says "IWS z/OS Job Netplan".
- A speech bubble below the SMF window says "SMF Jobruntime Barchart".
- A speech bubble below the JCL window says "JCL Data Flowchart".

At the bottom left, it says "Connected as: P392E, file: XX37T#25". At the bottom right, it says "Lines: 294".

PC Client - Legend

The screenshot shows the XINFO PC Client interface. The main window is titled "XINFO PC Client - SMF - Jobruntime Barchart". The "View" menu is open, showing options for "Workspace Tree", "Shortcuts", "Output", "Search Result", "Legend", and "Status Bar". The "Legend" option is checked. A callout box points to the "Legend" option with the text "You can select a Legend in a window for ...".

The main window displays a table with the following data:

| Jobname | 12 | 14 |
|---------|----|----|
| XXRJSMC | | |
| XXRJSMC | | |
| XXRJSMC | | |
| XXRJSMC | | |
| XXRJSMC | | |

A "Legend" window is open at the bottom, showing the following items:

- Successful jobs (Green bar)
- Error jobs (Red bar)
- Waiting for Initiator (Grey bar)
- Waiting for Enqueue (Blue bar)
- Waiting for Device (Yellow bar)
- =GROUP= (Orange bar)

A callout box points to the "Waiting for Initiator" item with the text "... barcharts ...".

At the bottom of the window, it says "Connected as: P392E, file: XX37T#25" and "Lines: 315".

PC Client - Legend

The screenshot displays the XINFO PC Client interface for a TWS z/OS Job Netplan. The main workspace shows a flow diagram with nodes representing jobs and their execution on different CPUs. A legend at the bottom explains the node components and the job names used in the netplan.

Job Netplan Diagram:

```
graph LR; N1["HOR10DAY  
HOR10035 CPU b35"] --> N2["HOR10DAY  
HOR10036 CPU b36"]; N1 --> N3["HOR10DAY  
HOR10025 CPU b25"]; N1 --> N4["HOR10DAY  
HOR10030 CPU b30"]; N2 --> N5["HOR10DAY  
HOR10037 CPU b37"]; N3 --> N6["HOR10DAY  
HOR10026 CPU b26"]; N4 --> N7["HOR10DAY  
HOR10031 CPU b31"]; N5 --> N8["HOR10DAY  
HOR10032 CPU b32"]; N6 --> N8;
```

Legend:

| Application | OPERATION |
|---------------------------------------|----------------|
| Jobname Workstation Operation No. | OPERATION |
| Jobname | MANUALEQQEVPGM |
| Jobname | MANUALEQQADD |
| Jobname | MANUALEQQDEL |

... and netplans

Connected as: P392E, file: XX37T#25 | Lines: 123 | Nodes: 91 | Links: 111

PC Client - Print Graphics

The screenshot displays the XINFO PC Client interface. The main window, titled "XINFO PC Client - JCL - Data Flowchart", shows a complex data flowchart with various nodes and connections. A File menu is open on the left, with the "Print Preview" option highlighted. A callout box points to this option with the text: "With the print function of XINFO you can print or plot on every device!". The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25" and "Lines: 682 Nodes: 456 Links: 454".

File

- New
- Open...
- Save
- Save As...
- Export...
- Print
- Printer Setup
- Close
- Close All

Preview and print the document

- Print
- Print the active document
- Print Preview
- Display full pages

View

- Table
- Search
- Show SQL
- Tools

With the print function of XINFO you can print or plot on every device!

Connected as: P392E, file: XX37T#25

Lines: 682 Nodes: 456 Links: 454

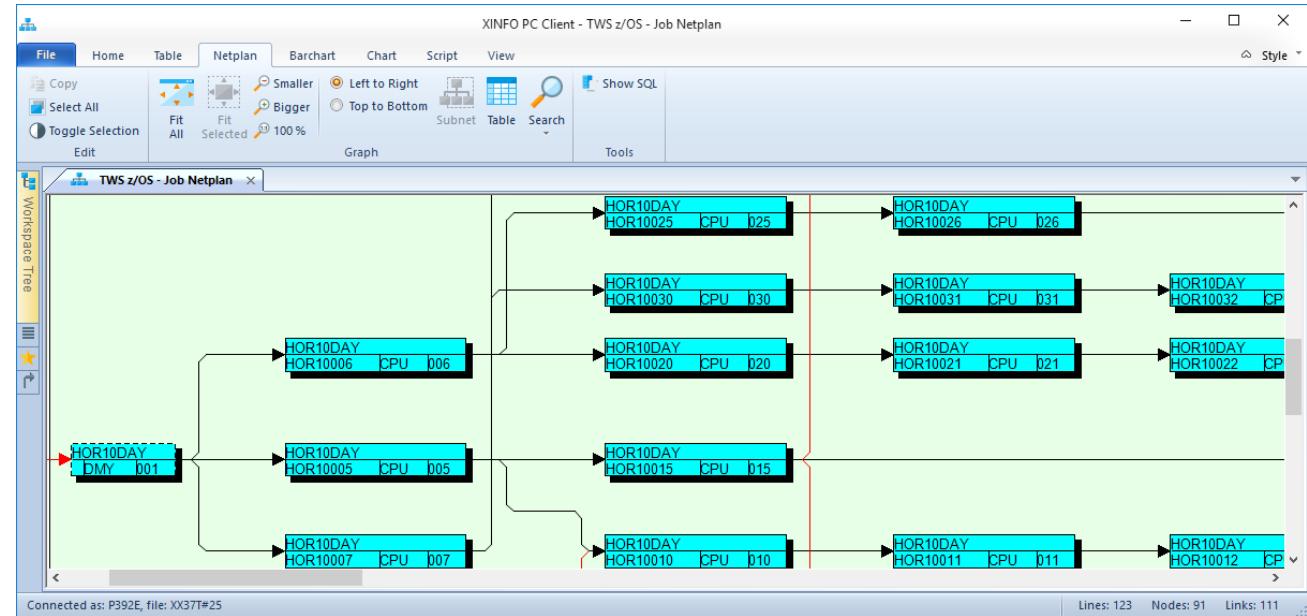
PC Client - Print Graphics

The screenshot displays the XINFO PC Client interface. On the left, a 'Workspace Tree' lists various components like 'JCLLIB-Statements', 'Symbols and Proc. Parm's, and 'Data Flowchart'. The main window shows a data flowchart with nodes and connections. A 'Select pages you want to print' dialog box is open in the center, showing two thumbnails of the flowchart. The dialog includes options for 'Split the printout to pages' (set to 2 x 1), 'Print page numbers' (checked), 'Title at every page' (set to 'XINFO PC Client - JCL - Data Flowchart'), and 'Font size' (set to 10). A speech bubble points to the thumbnails with the text: 'XINFO always gives you a preview before starting the printout'. At the bottom of the dialog, there is a note: 'Note: by clicking on thumbnails you can decide what pages will be printed (or previewed)'. The status bar at the bottom right shows 'Lines: 682 Nodes: 456 Links: 454'.

PC Client - Job netplan

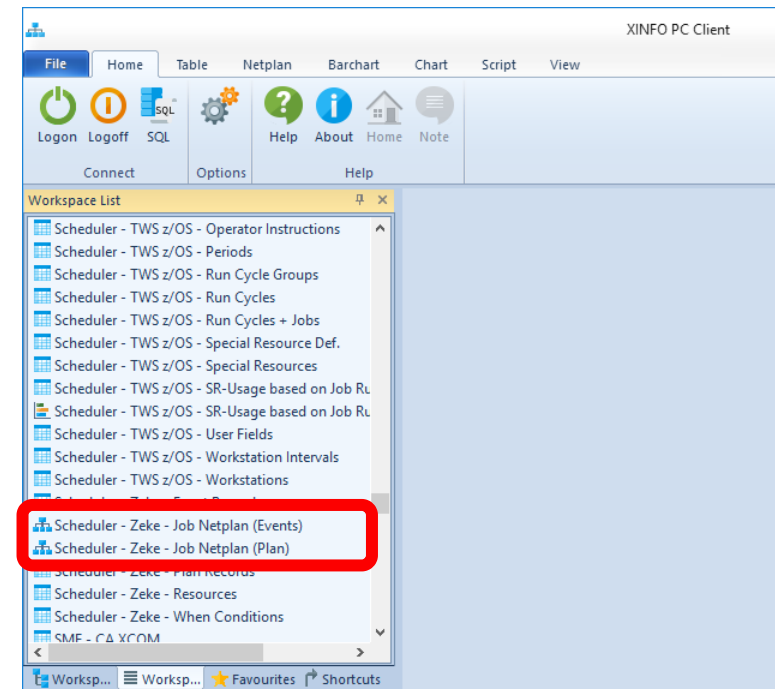
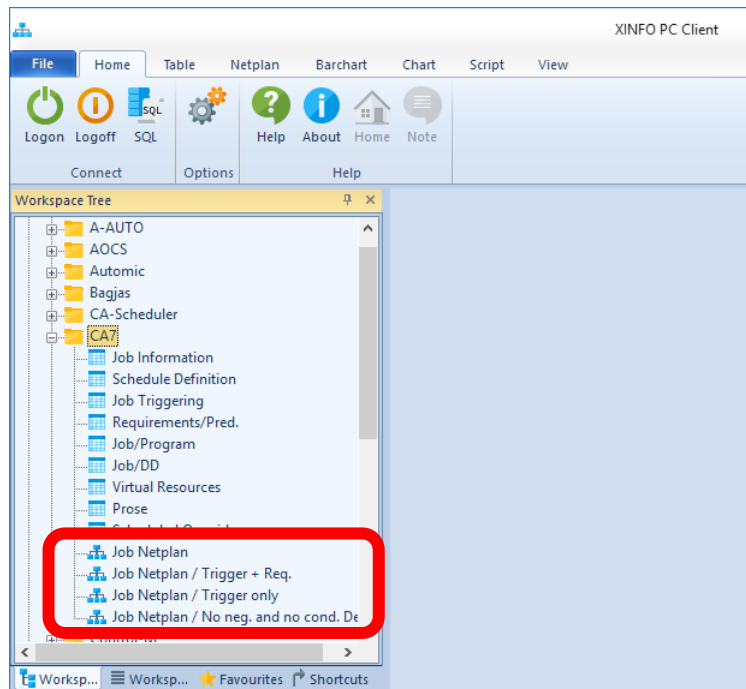
A Job Netplan displays the Jobs which are defined in the Scheduler (IWS, CA7, IWS ...) graphically:

- Jobs
- Predecessors
- Successors
- Trigger (CA7)
- Conditions (Control-M, Zeke)
- Datasets (CA7, Zeke, IWS)
- Prompts (IWS)



PC Client - Job netplan

- Job netplans can be created through different ways
 - Over the Workspace list
 - or over Menu Scheduler, Submenu of your scheduling system and submenu job netplan



PC Client - Netplan innovations

- Improved search for
 - loops
 - redundant links
 - critical path in netplan
- New search for routes between two nodes in netplan
- Performance improvements on netplan rendering
- Support nested clusters in netplans
- (Tooltips for netplan graphics
- Critical path time)

PC Client - Graphic Displays

The screenshot shows the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The toolbar contains icons for "Logon", "Logoff", "SQL", "Options", "Help", "About", "Home", and "Note". The main workspace is divided into a "Workspace Tree" on the left and a large empty area on the right. The "Workspace Tree" shows a hierarchy of folders and items. A red box highlights the "Job Netplan" folder and its sub-items: "Job Netplan / Trigger + Req.", "Job Netplan / Trigger only", and "Job Netplan / No neg. and no cor". A callout bubble points to these items with the text: "The displays for graphics are at the end of the specific scheduler". The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25".

File Home Table Netplan Barchart Chart Script View

Logon Logoff SQL Options Help About Home Note

Workspace Tree

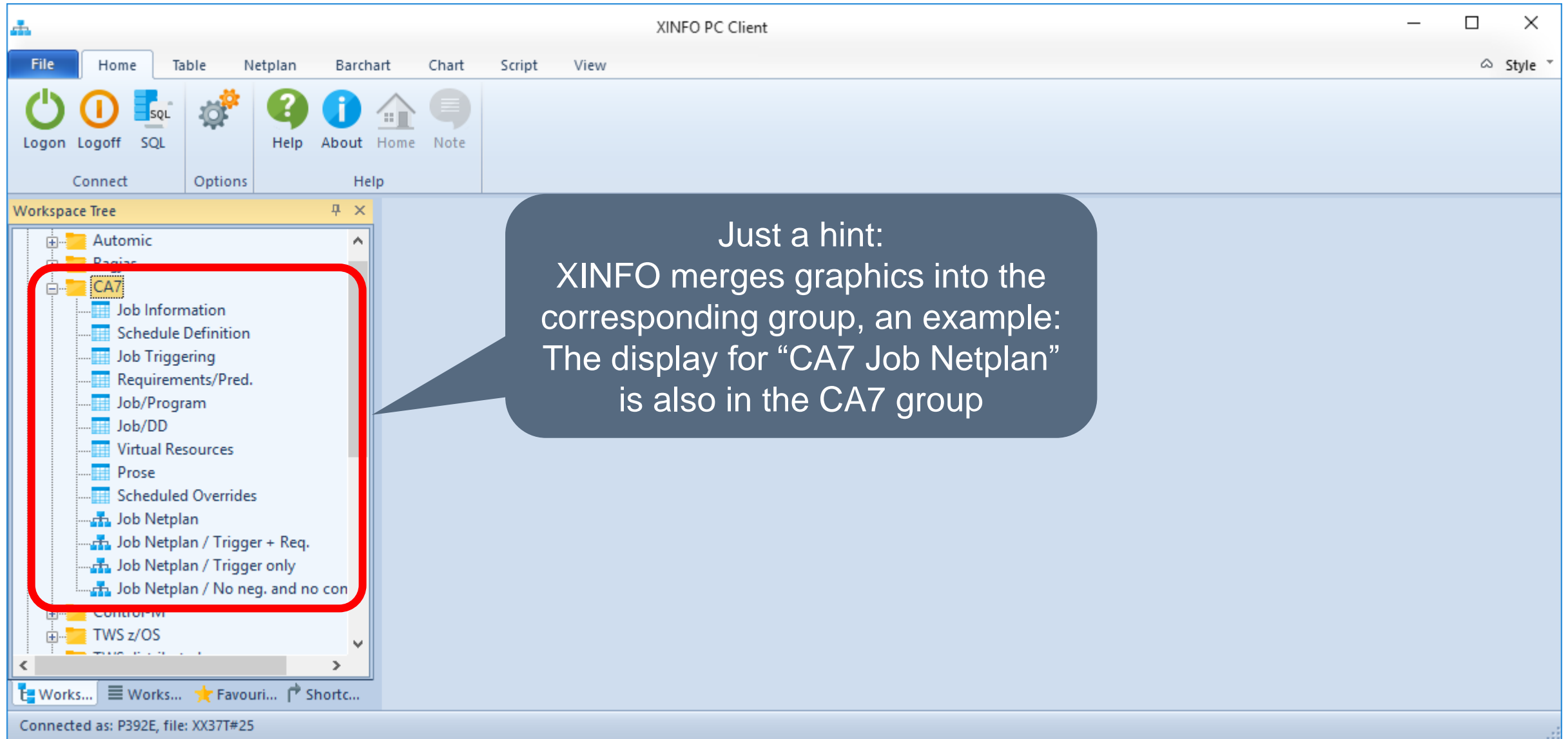
- Automatic
- Bagjas
- CA7
 - Job Information
 - Schedule Definition
 - Job Triggering
 - Requirements/Pred.
 - Job/Program
 - Job/DD
 - Virtual Resources
 - Prose
 - Scheduled Overrides
 - Job Netplan**
 - Job Netplan / Trigger + Req.
 - Job Netplan / Trigger only
 - Job Netplan / No neg. and no cor
- Control-M
- TWS z/OS

Works... Works... Favouri... Shortc...

Connected as: P392E, file: XX37T#25

The displays for graphics are at the end of the specific scheduler

PC Client - Graphic Displays



The screenshot shows the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". Below the menu bar is a toolbar with icons for "Logon", "Logoff", "SQL", "Options", "Help", "About", "Home", and "Note". The main workspace is divided into a "Workspace Tree" on the left and a main display area on the right. The "Workspace Tree" shows a hierarchy of folders and items. A red box highlights the "CA7" folder, which contains several sub-items, including "Job Netplan". A callout box points to the "CA7" folder with the text: "Just a hint: XINFO merges graphics into the corresponding group, an example: The display for 'CA7 Job Netplan' is also in the CA7 group". The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25".

Just a hint:
XINFO merges graphics into the corresponding group, an example: The display for "CA7 Job Netplan" is also in the CA7 group

PC Client - Selection

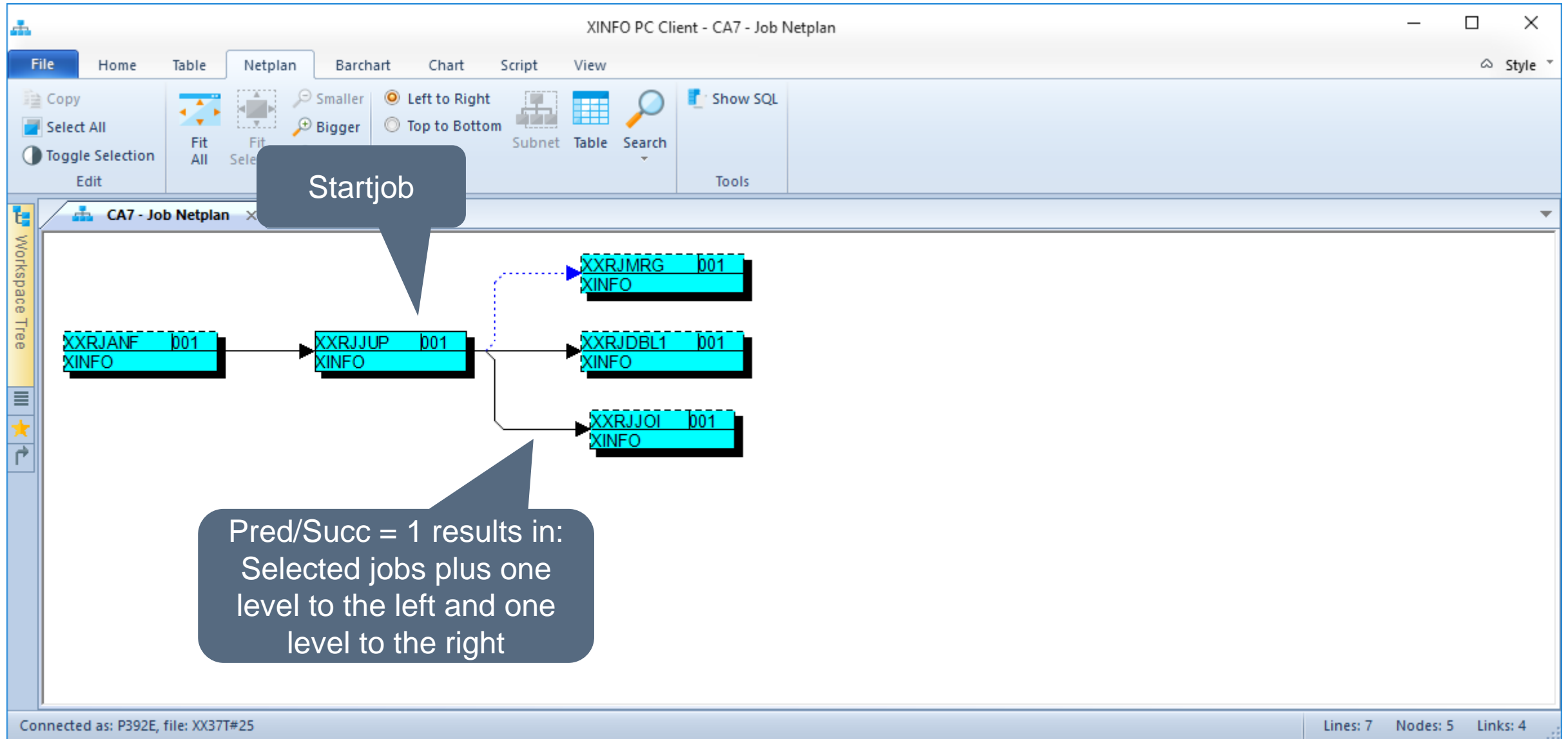
Jobname = Start job

Predecessor level Number of predecessor and successor levels

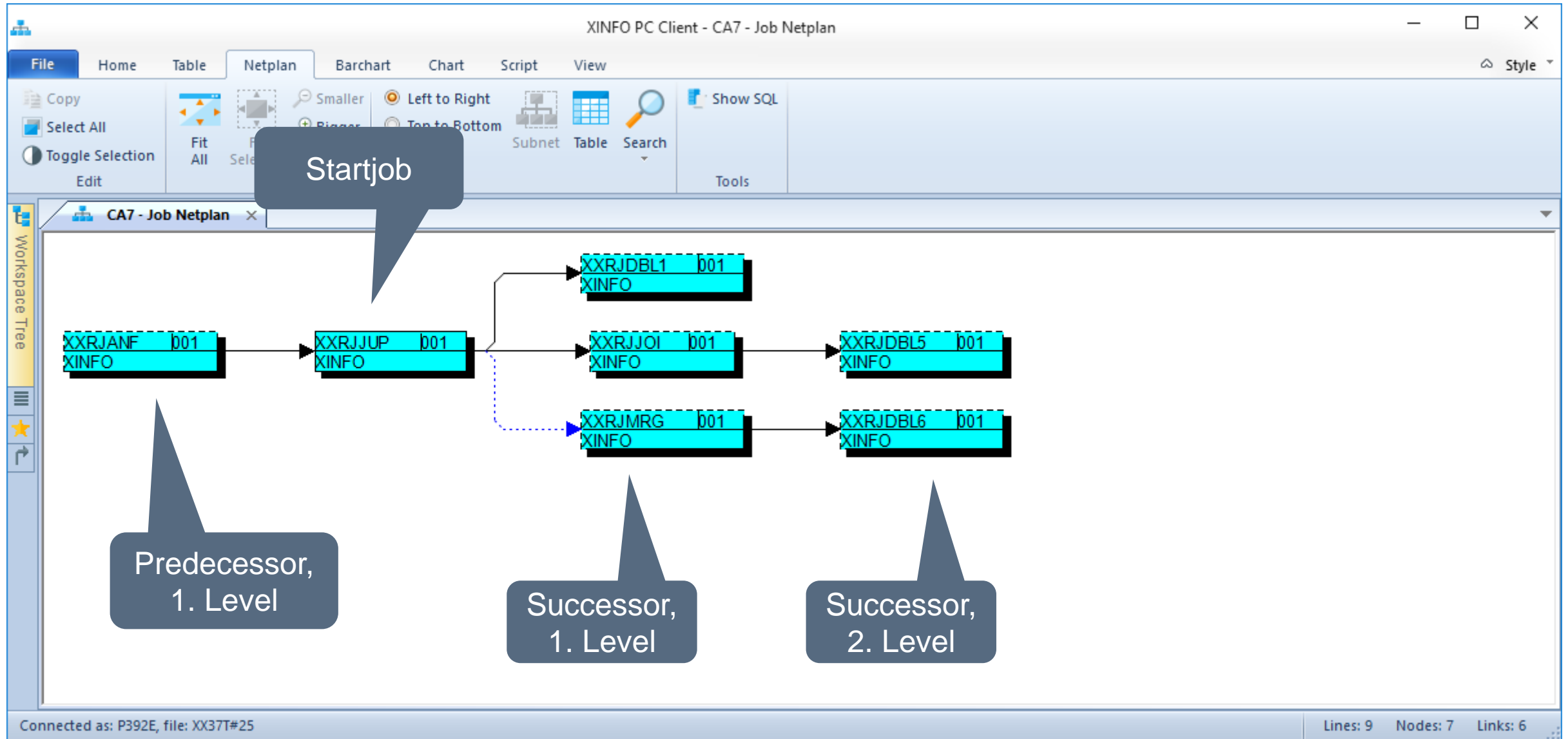
Successor level You can define the number of dependend jobs that are also displayed. "1" means exactly one predecessor and one successor of the found job will be displayed.

Important Hint: Selections like "all jobs" are not very useful!

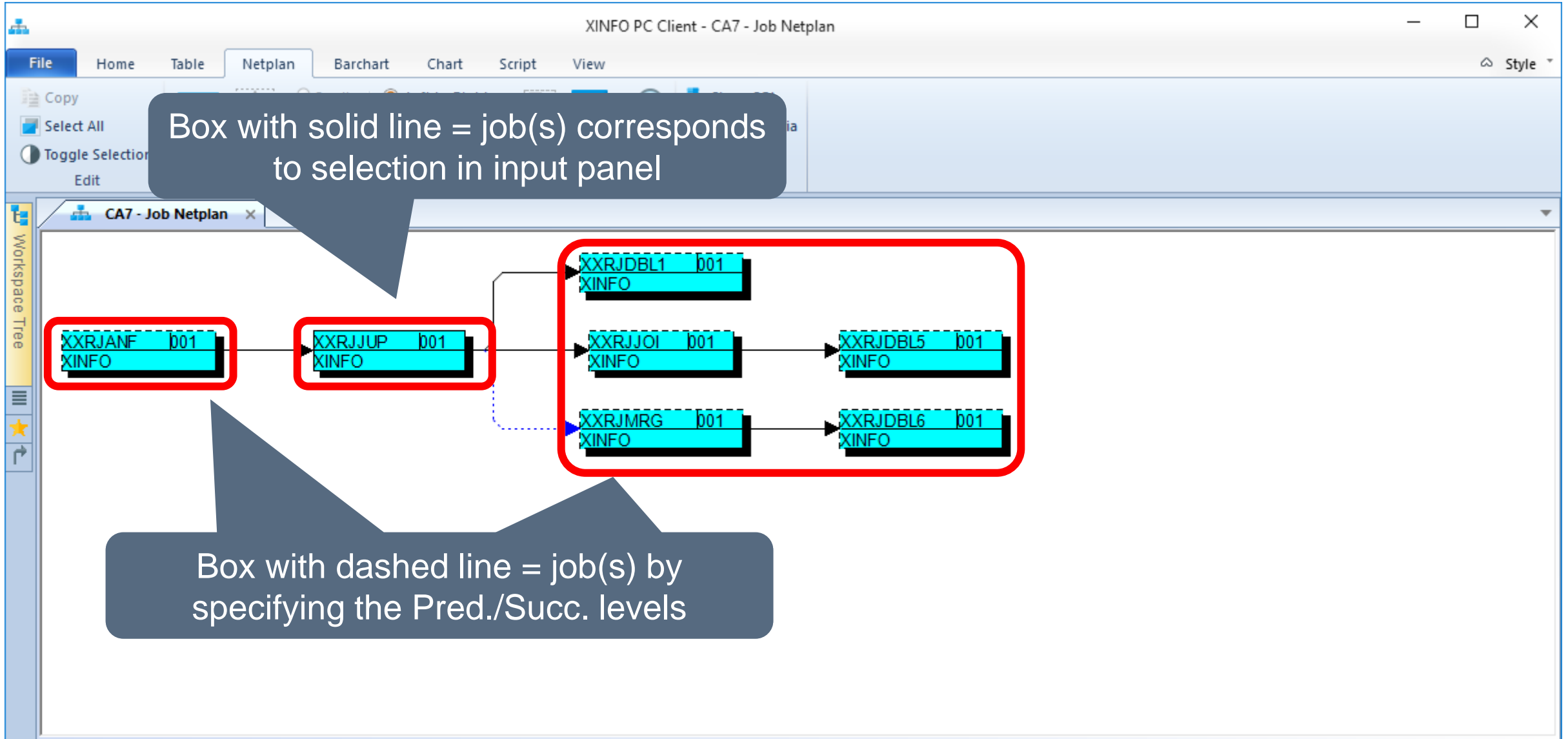
PC Client - Result for Pred/Succ = 1



PC Client - Result Pred/Succ = 2



PC Client - Job netplan - Node layout



PC Client - Successors and Predecessors (1)

XINFO PC Client

CA7 - Job Netplan

Jobname = XXRJANF

SCHID =

System =

Jobnet =

Owner =

UID =

Main-ID =

Network =

Trigger DSN =

User Requirement =

CA7 Subsystem =

Predecessor level 1

Successor level 1

OK Actions Cancel

Workspace Tree

- Automatic
- Bagjas
- CA7
 - Job Information
 - Schedule Definition
 - Job Triggering
 - Requirements/Pred.
 - Job/Program
 - Job/DD
 - Virtual Resources
 - Prose
 - Scheduled Overrides
 - Job Netplan
 - Job Netplan / Trigger + Req.
 - Job Netplan / Trigger only
 - Job Netplan / No neg. and no
- Control-M
- TWS z/OS

File Home Table Netplan Barchart Chart Script View

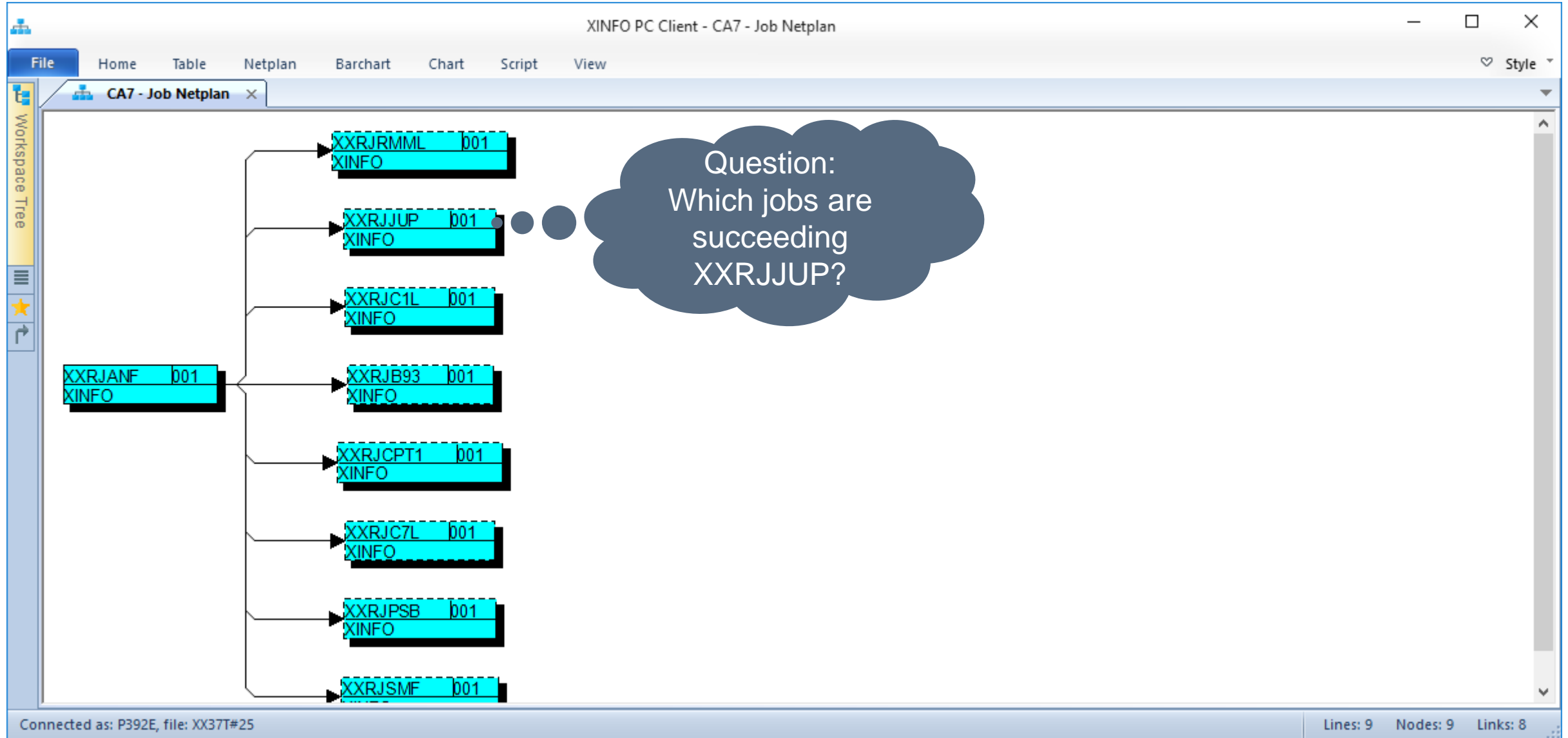
Copy Select All Toggle Selection Edit Fit All Fit Selected

Works... Works... Favouri... Shortc...

Connected as: P392E, file: XX37T#25

An example: New selection

PC Client - Successors and Predecessors (2)



PC Client - Successors and Predecessors (3)

The screenshot shows the PC Client software interface for managing a network plan. The main workspace displays a hierarchical diagram with a root node 'XXRJANF 001 XINFO' on the left and several child nodes on the right, including 'XXRJRMMML 001 XINFO', 'XXRJJUP 001 XINFO', 'XXRJC1L 001 XINFO', 'XXRJB93 001 XINFO', 'XXRJCPT1 001 XINFO', 'XXRJC7L 001 XINFO', 'XXRJPSB 001 XINFO', and 'XXRJSMF 001 XINFO'. A context menu is open over the 'XXRJJUP 001 XINFO' node, with the 'Pred/Succ netplan...' option highlighted. A 'Pred/Succ Netplan' dialog box is also open, showing 'Predecessor level' set to 1 and 'Successor level' set to 3. Callout boxes provide instructions: 'Right mouseclick to XXRJJUP ...' points to the context menu, 'Specify levels ...' points to the level input fields, and 'Pred/Succ netplan' points to the highlighted menu option. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25' and 'Lines: 9 Nodes: 9 Links: 8'.

Right mouseclick to XXRJJUP ...

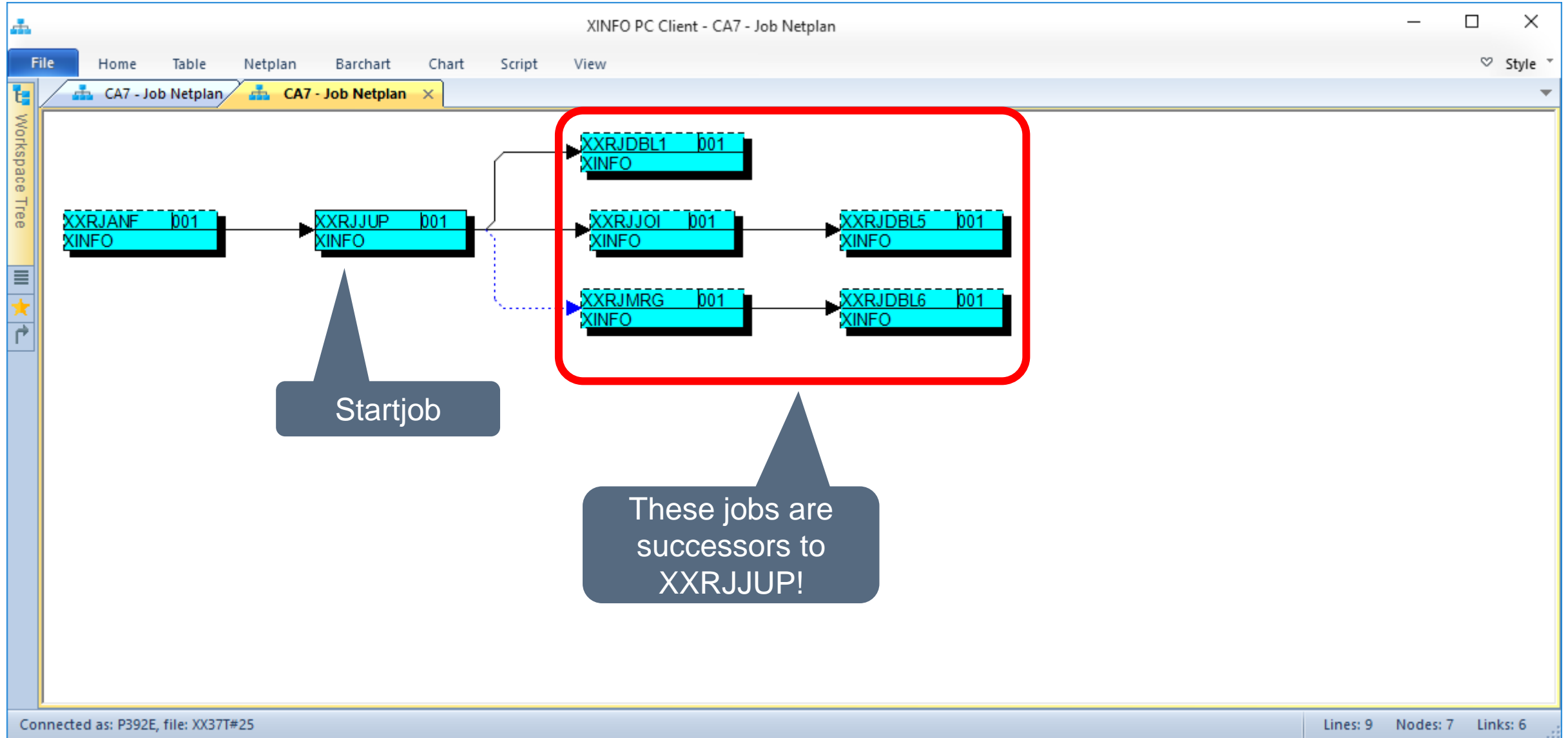
Specify levels ...

Pred/Succ netplan

Connected as: P392E, file: XX37T#25

Lines: 9 Nodes: 9 Links: 8

PC Client - Successors and Predecessors (4)



PC Client - Critical Job

The screenshot shows the XINFO PC Client interface with the 'CA7 - Job Netplan' dialog box open. The dialog box contains the following fields:

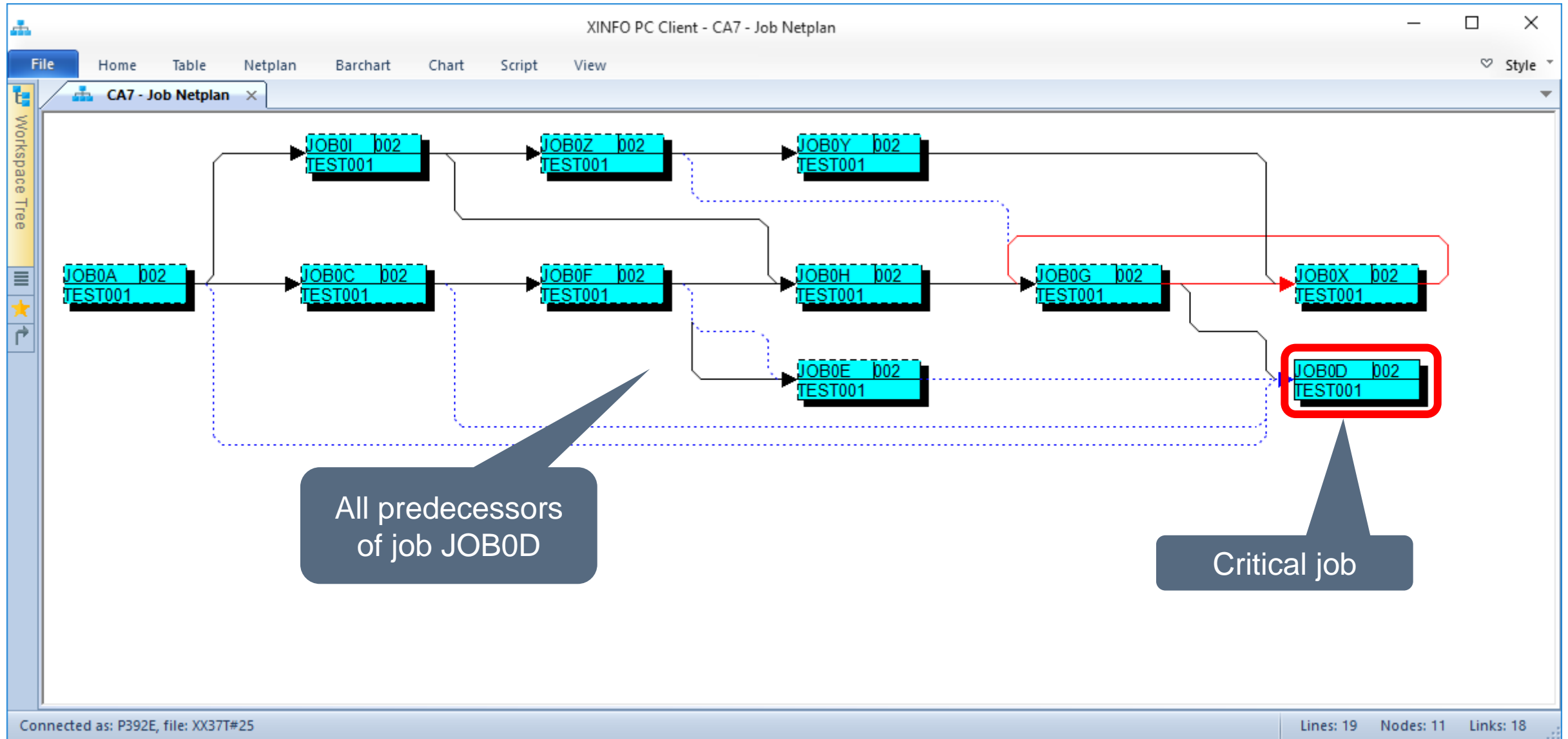
| | | |
|-------------------|---|-------|
| Jobname | = | JOB0D |
| SCHID | = | 002 |
| System | = | |
| Jobnet | = | |
| Queue | = | |
| Main-ID | = | |
| Network | = | |
| Trigger DSN | = | |
| User Requirement | = | |
| CA7 Subsystem | = | |
| Predecessor level | | 99 |
| Successor level | | 0 |

Callouts in the image:

- A red box highlights the Jobname and SCHID fields.
- A callout bubble labeled 'Critical job' points to the Jobname field.
- A callout bubble labeled 'Specify 99 predecessors' points to the Predecessor level field.

At the bottom of the dialog box are buttons for 'OK', 'Actions', and 'Cancel'. The status bar at the bottom of the application window shows 'Connected as: P392E, file: XX37T#25'.

PC Client - Critical Job



All predecessors of job JOB0D

Critical job

PC Client - Critical Path

The screenshot displays the XINFO PC Client interface for a CA7 Job Netplan. The main workspace shows a network plan with several job nodes, each represented as a cyan box with a black border, containing job and test IDs. The nodes are arranged in a flow from left to right:

- Start node: JOB0A b02 TEST001
- Second level nodes: JOB01 b02 TEST001 and JOB0C b02 TEST001
- Third level nodes: JOB0Z b02 TEST001 and JOB0F b02 TEST001
- Fourth level nodes: JOB0Y b02 TEST001, JOB0H b02 TEST001, and JOB0E b02 TEST001
- Fifth level nodes: JOB0G b02 TEST001 and JOB0D b02 TEST001
- End node: JOB0X b02 TEST001

A context menu is open over the 'Critical Path' option, which is highlighted with a red border. The menu items are:

- JOB
- JCL
- DATASET
- USERREQ
- NETWORK
- Loops
- Route
- Redundant links
- Critical Route
- Critical Path** (highlighted)

A blue callout box at the bottom center contains the text "Select 'Critical Path'". A red line highlights the path from JOB0H to JOB0G to JOB0X. Dotted blue lines indicate other paths and connections between nodes.

PC Client - Critical Path

The screenshot displays the XINFO PC Client interface for 'CA7 - Job Netplan'. The main workspace shows a network plan with nodes and arrows. A critical path is highlighted in red, starting from JOB0A and ending at JOB0D. A callout box points to this path with the text 'Critical Path is highlighted in red'. On the right, a search result table titled 'Search Result: Critical Path (0:15:00)' lists the jobs on the critical path with their levels and values. A callout box points to this table with the text 'Critical Path in a list with time'.

| Object | Type | Min. | Level | Value |
|--------|------|------|----------------------|-------|
| JOB | | 0 | JOB0A - 002 - TEST01 | |
| JOB | | 1 | JOB0I - 002 - TEST01 | |
| JOB | | 2 | JOB0H - 002 - TEST01 | |
| JOB | | 3 | JOB0G - 002 - TEST01 | |
| JOB | | 4 | JOB0D - 002 - TEST01 | |

PC Client - More Commands (1)

The screenshot shows the XINFO PC Client interface with a 'CA7 - Job Netplan' dialog box open. The dialog box contains the following fields:

| | | |
|-------------------|---|---------|
| Jobname | = | XXRJJUP |
| SCHID | = | 001 |
| System | = | |
| Jobnet | = | |
| Owner | = | |
| UID | = | |
| Main-ID | = | |
| Network | = | |
| Trigger DSN | = | |
| User Requirement | = | |
| CA7 Subsystem | = | |
| Predecessor level | | 1 |
| Successor level | | 5 |

Callout 1: Search for Job "XXRJJUP" and "SCHID = 001" ...

Callout 2: Specify 1 predecessors and 5 Successor

Buttons: OK, Actions, Cancel

Workspace Tree (left):

- Automatic
- Bagjas
- CA7
 - Job Information
 - Schedule Definition
 - Job Triggering
 - Requirements/Pred.
 - Job/Program
 - Job/DD
 - Virtual Resources
 - Prose
 - Scheduled Overrides
 - Job Netplan
 - Job Netplan / Trigger + Req.
 - Job Netplan / Trigger only
 - Job Netplan / No neg. and no
- Control-M
- TWS z/OS

Connected as: P392E, file: XX37T#25

PC Client - More Commands (2)

Right mouse click to XXRJUP and choose Find - Successor

In large plans it is helpful to get a list of all predecessors and successors ...

Do you need a list of all direct predecessors and successors?

2. Select Successors

Search level

Predecessor level

Successor level Not limited

OK Cancel

Find

Predecessors

Successors...

Pred. and succ...

Route

Connected as: P392E, file: XX37T#25

Lines: 9 Nodes: 7 Links: 6

PC Client - More Commands (3)

The screenshot displays the XINFO PC Client interface for a job netplan. The main workspace shows a network diagram with jobs represented as rectangular boxes. A callout bubble labeled "Startjob" points to the first job, "XXRJANF 001". The network consists of the following jobs and their dependencies:

- XXRJANF 001 (cyan) depends on XXRJANF 001 (cyan).
- XXRJANF 001 (cyan) depends on XXRJJUP 001 (cyan).
- XXRJJUP 001 (cyan) depends on XXRJDBL1 001 (red), XXRJJOI 001 (red), and XXRJMRG 001 (red).
- XXRJDBL1 001 (red) depends on XXRJDBL5 001 (cyan).
- XXRJJOI 001 (red) depends on XXRJDBL5 001 (cyan).
- XXRJMRG 001 (red) depends on XXRJDBL6 001 (cyan).

On the right side, a "Search Result: Successors" window is open, displaying a table of job successors:

| Object Type | Min. Level | Value |
|-------------|------------|--------------------|
| JOB | 0 | XXRJJUP - 001 - X |
| JOB | 1 | XXRJJOI - 001 - X |
| JOB | 1 | XXRJDBL1 - 001 - X |
| JOB | 1 | XXRJMRG - 001 - X |
| JOB | 2 | XXRJDBL5 - 001 - X |
| JOB | 2 | XXRJDBL6 - 001 - X |

A callout bubble points to the table with the text: "... a left mouse click in the list highlights the corresponding job".

At the bottom of the window, the status bar shows: "Connected as: P392E, file: XX37T#25" and "Lines: 9 Nodes: 7 Links: 6".

PC Client - More Commands (4)

The screenshot displays the XINFO PC Client interface for a Job Netplan. The main workspace shows a flowchart with nodes: `XXRJANF 001 XINFO`, `XXRJJUP 001 XINFO`, `XXRJDBL1 001 XINFO`, `XXRJJOI 001 XINFO`, and `XXJMRG 001`. A context menu is open over the `XXRJJOI 001 XINFO` node, showing a tree structure: `Browse` > `Job` > `JCL with Procedures` > `001`. A speech bubble asks "Do you want to see the JCL?". Another speech bubble points to the context menu with the text "Right mouse click to the job ...". The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25" and "Lines: 9 Nodes: 7 Links: 6".

Do you want to see the JCL?

Right mouse click to the job ...

PC Client - More Commands (5)

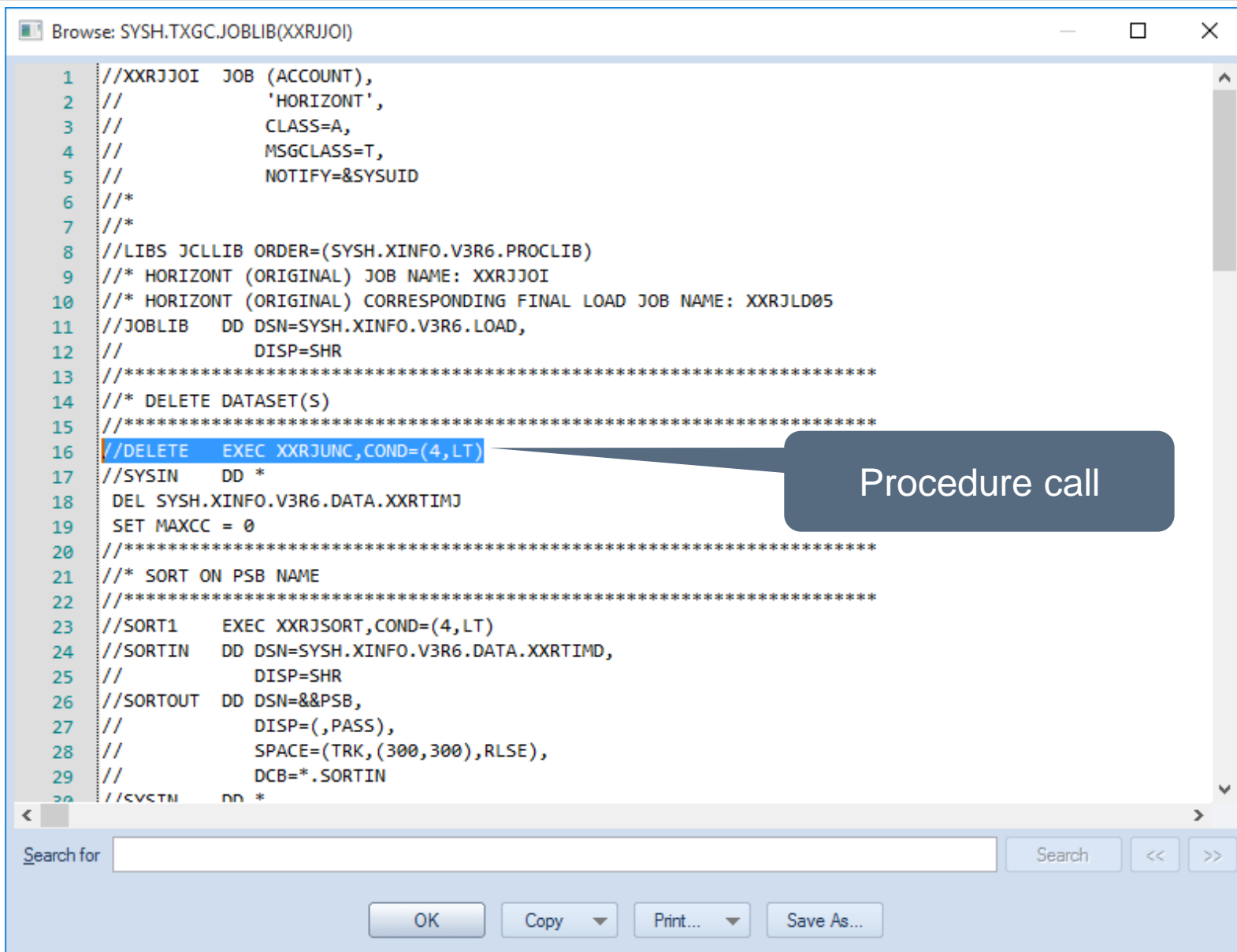
The screenshot displays a PC client interface for a mainframe connection. On the left, a workspace tree shows a folder named 'CA7 - Job Netplan' containing two files: 'XXRJANF 001' and 'XINFO'. The main window is titled 'Browse: SYSH.TXGC.JOBLIB(XXRJJOI)' and contains the following JCL code:

```
1 //XXRJJOI JOB (ACCOUNT),
2 //          'HORIZONT',
3 //          CLASS=A,
4 //          MSGCLASS=T,
5 //          NOTIFY=&SYSUID
6 // *
7 // *
8 //LIBS JCLLIB ORDER=(SYSH.XINFO.V3R6.PROCLIB)
9 // * HORIZONT (ORIGINAL) JOB NAME: XXRJJOI
10 // * HORIZONT (ORIGINAL) CORRESPONDING FINAL LOAD JOB NAME: XXRJLD05
11 //JOBLIB DD DSN=SYSH.XINFO.V3R6.LOAD,
12 //        DISP=SHR
13 //*****
14 // * DELETE DATASET(S)
15 //*****
16 //DELETE EXEC XXRJUNC,COND=(4,LT)
17 //SYSIN DD *
18 DEL SYSH.XINFO.V3R6.DATA.XXRTIMJ
19 SET MAXCC = 0
20 //*****
21 // * SORT ON PSB NAME
22 //*****
23 //SORT1 EXEC XXRJSORT,COND=(4,LT)
24 //SORTIN DD DSN=SYSH.XINFO.V3R6.DATA.XXRTIMD,
25 //        DISP=SHR
26 //SORTOUT DD DSN=&&PSB,
27 //        DISP=(,PASS),
28 //        SPACE=(TRK,(300,300),RLSE),
29 //        DCB=*.SORTIN
30 //SYSTEM DD *
```

A callout bubble with a pointer to the JCL code contains the text: "JCL is transferred from Mainframe".

At the bottom of the interface, there are buttons for 'OK', 'Copy', 'Print...', and 'Save As...'. The status bar at the bottom right shows 'Lines: 9 Nodes: 7 Links: 6'. The bottom left of the interface shows 'Connected as: P392E, file: XX37T#25'.

PC Client - More Commands (6)

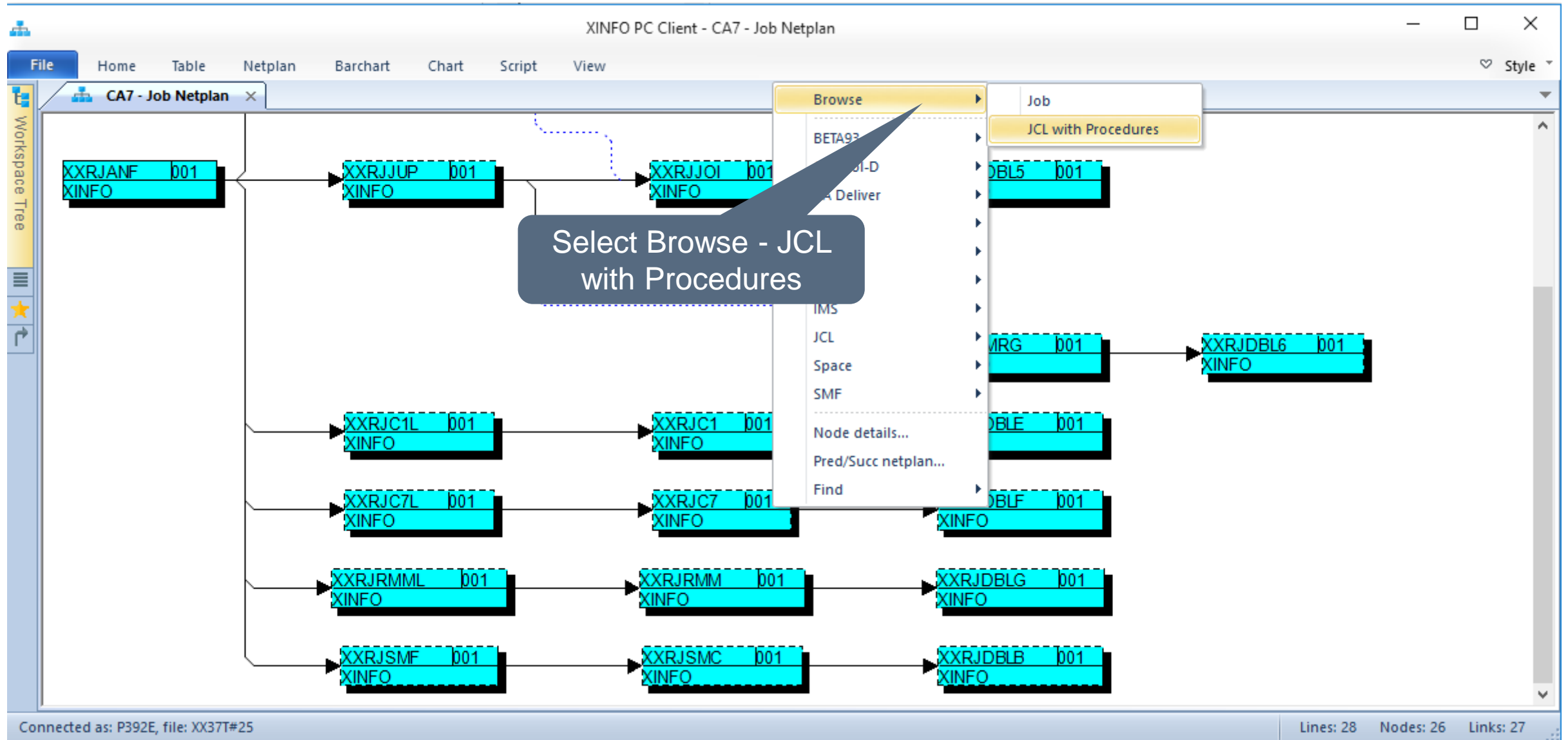


The screenshot shows a window titled "Browse: SYSH.TXGC.JOBLIB(XXRJJOI)". The window contains a list of JCL commands. Line 16, "`//DELETE EXEC XXRJUNC,COND=(4,LT)`", is highlighted in blue. A dark blue callout box with a white border points to this line and contains the text "Procedure call". The rest of the JCL code includes comments, dataset definitions, and other execution commands.

```
1 //XXRJJOI JOB (ACCOUNT),
2 //          'HORIZONT',
3 //          CLASS=A,
4 //          MSGCLASS=T,
5 //          NOTIFY=&SYSUID
6 //*
7 //*
8 //LIBS JCLLIB ORDER=(SYSH.XINFO.V3R6.PROCLIB)
9 //* HORIZONT (ORIGINAL) JOB NAME: XXRJJOI
10 //* HORIZONT (ORIGINAL) CORRESPONDING FINAL LOAD JOB NAME: XXRJLD05
11 //JOBLIB DD DSN=SYSH.XINFO.V3R6.LOAD,
12 //      DISP=SHR
13 //*****
14 //* DELETE DATASET(S)
15 //*****
16 //DELETE EXEC XXRJUNC,COND=(4,LT)
17 //SYSIN DD *
18 DEL SYSH.XINFO.V3R6.DATA.XXRTIMJ
19 SET MAXCC = 0
20 //*****
21 //* SORT ON PSB NAME
22 //*****
23 //SORT1 EXEC XXRJSORT,COND=(4,LT)
24 //SORTIN DD DSN=SYSH.XINFO.V3R6.DATA.XXRTIMD,
25 //      DISP=SHR
26 //SORTOUT DD DSN=&&PSB,
27 //      DISP=(,PASS),
28 //      SPACE=(TRK,(300,300),RLSE),
29 //      DCB=*.SORTIN
30 //CVSTM DD *
```

Procedure call

PC Client - More Commands (7)



PC Client - More Commands (8)

```
Browse: SYSH.TXGC.JOBLIB(XXRJJOI)

1 //XJRJJOI JOB (ACCOUNT),
2 //      'HORIZONT',
3 //      CLASS=A,
4 //      MSGCLASS=T,
5 //      NOTIFY=&SYSUID
6 /**
7 /**
8 //LIBS JCLLIB ORDER=(SYSH.XINFO.V3R6.PROC
9 /** HORIZONT (ORIGINAL) JOB NAME: XXRJJOI
10 /** HORIZONT (ORIGINAL) CORRESPONDING FINA
11 //JOB LIB DD DSN=SYSH.XINFO.V3R6.LOAD,
12 //      DISP=SHR
13 //*****
14 /** DELETE DATASET(S)
15 //*****
16 //IDCAMS EXEC PGM=IDCAMS,PARM='MARGINS(1 72)',COND=(4,LT)
17 //SYSPRINT DD SYSOUT=*
18 //SYSIN DD *
19 DEL SYSH.XINFO.V3R6.DATA.XXRTIMJ
20 SET MAXCC = 0
21 //*****
22 /** SORT ON PSB NAME
23 //*****
24 //SORT EXEC PGM=SORT,REGION=32M,COND=(4,LT)
25 //SYSOUT DD SYSOUT=*
26 //SORTIN DD DSN=SYSH.XINFO.V3R6.DATA.XXRTIMD,
27 //      DISP=SHR
28 //SORTOUT DD DSN=&&PSB,
29 //      DISP=(,PASS),
30 //      SPACE=(TRK,(300,300)) DISF\
```

JCL including resolved procedures ...

Search for Search << >>

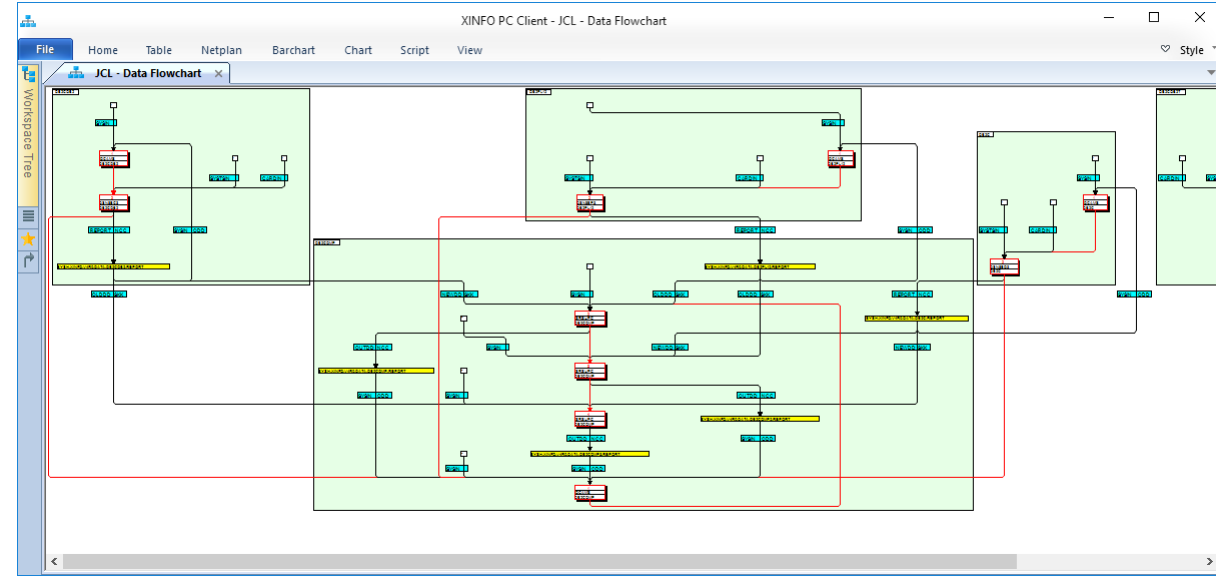
OK Copy Print... Save As...

PC Client - Dataset Flowchart

A Dataset Flowchart displays the JCL graphically.

Following information is taken into account:

- Jobs
- Joblibs
- Steps
- Programs
- DD
- DSN



Hint: HORIZONT is working on a version which also displays DB2 tables and IMS databases, but currently DBs are not visible in the Dataset Flowchart!

PC Client - Dataset Flowchart - Select Display

The screenshot displays the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The ribbon contains several groups: "Edit" (Copy, Select All, Toggle Selection), "Graph" (Fit All, Fit Selected, 100%, Smaller, Bigger, Left to Right, Top to Bottom, Subnet, Table, Search), and "Tools" (Show SQL). On the left, the "Workspace Tree" pane lists various system components. The "Data Flowchart" item is highlighted with a yellow selection box. A dark blue callout bubble with white text points to this item, stating: "First we have to select the display for the Dataset Flowchart ...". At the bottom of the window, the status bar shows "Connected as: P392E, file: XX37T#25".

First we have to select the display for the Dataset Flowchart ...

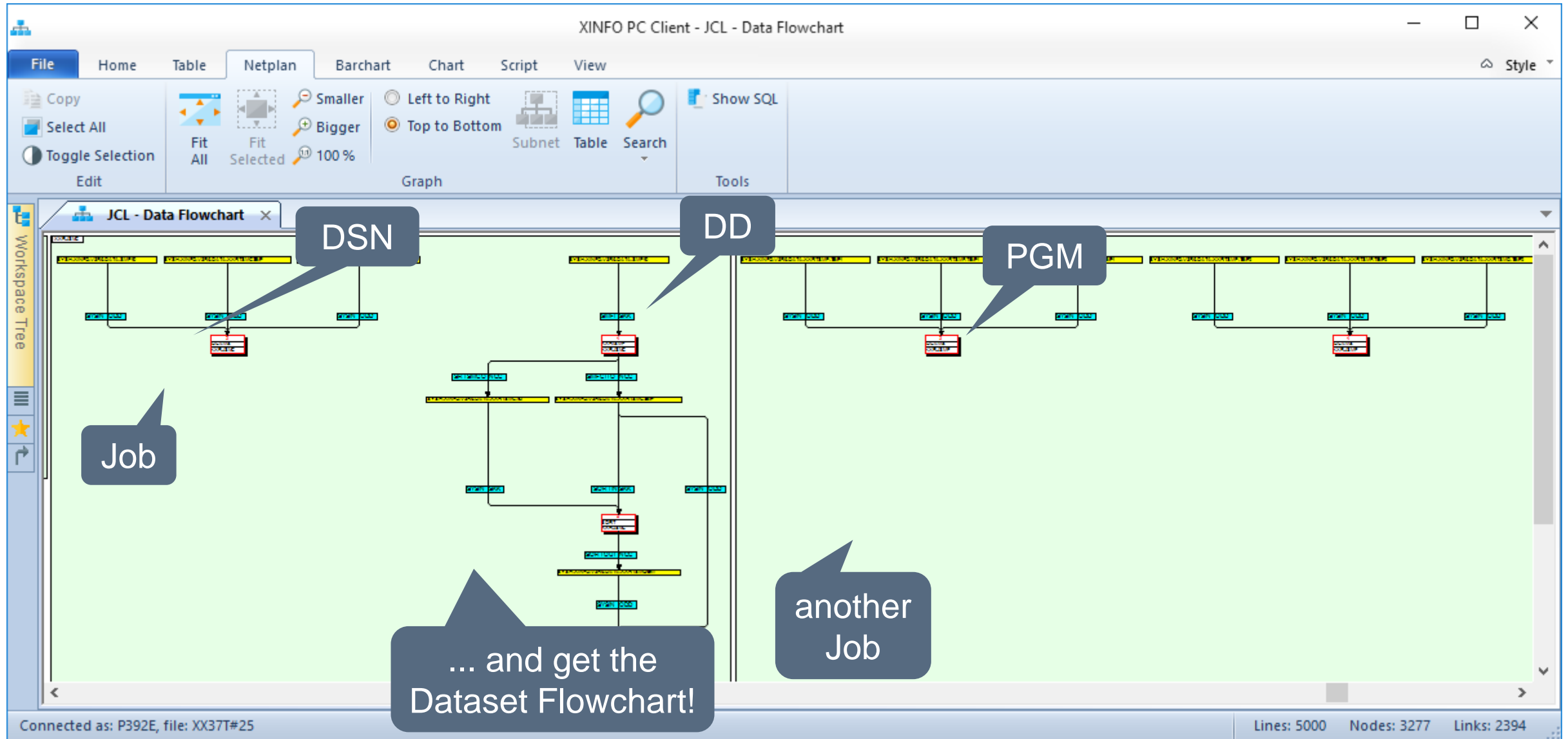
PC Client - Dataset Flowchart - Selection Criteria

The screenshot shows the XINFO PC Client interface with the 'JCL - Data Flowchart' dialog box open. The dialog box contains several fields for specifying selection criteria. The 'Data Set Name' field is highlighted with a red box and contains the text '*XINFO*'. A callout bubble points to this field with the text '... specify selection criteria ...'. Another callout bubble points to the 'OK' button with the text '... start the query ...'.

| Field | Operator | Value |
|-------------------|----------|---------|
| Jobname | = | |
| Data Set Name | = | *XINFO* |
| Data Set Member | = | |
| DB2 Creator | = | |
| DB2 Table | = | |
| IMS DBD Name | = | |
| IMS PSB Name | = | |
| JCL-Lib | = | |
| Member | = | |
| Predecessor level | | 0 |
| Successor level | | 0 |

Buttons: OK, Actions, Cancel

PC Client - Dataset Flowchart Overview



PC Client - Dataset Flowchart Line Commands

The screenshot displays the XINFO PC Client interface for a JCL Data Flowchart. The main window shows a flowchart with several yellow boxes representing dataset symbols. A context menu is open over one of these symbols, listing various JCL-related options. The 'EXEC Statements' option is highlighted in yellow. A dark blue callout box with white text points to the 'EXEC Statements' option, stating: "A right mouse click on a dataset symbol (yellow box) activates the menu with line commands ...".

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Fit All Fit Selected 100% Show SQL Search

Workspace Tree

- Browse
- Automic
- Bagjas
- BETA93
- Control-D
- Control-M
- CA Deliver
- CA7
- DB2
- GRAPH
- IMS
- JCL**
- Space
- SMF
- TWS z/OS
- Zeke

Comment Cards
Control-M Variables
COMMAND Statements
DD Statements
EXEC Statements
EXPORTed JCL Symbols
HFS (PATH)
IF Statements
Job Statements
Jobs with this DSN
JCLLIB-Statements
JES Statements
OPC Variables
OUTPUT Statements
Procedure Calls
SET JCL Variables
SUBSYS
SYSIN Content of the Job
SYSOUT+OUTPUT

Connected as: P39

Lines: 5000 Nodes: 3277 Links: 2394

A right mouse click on a dataset symbol (yellow box) activates the menu with line commands ...

PC Client - Dataset Flowchart JCL

The screenshot shows the XINFO PC Client interface with a data flowchart. A context menu is open over a program symbol, with the 'JCL with Procedures' option highlighted. A 'Browse' menu is also visible, listing various datasets. The flowchart consists of yellow boxes representing jobs and red boxes representing program symbols, connected by lines. The status bar at the bottom indicates 'Lines: 5000 Nodes: 3277 Links: 2394'.

A right mouse click on a program symbol (white box) activates another menu, where you can display the complete JCL ...

... or ask for the "JCL with Procedures", which gives you the JCL as it will be submitted, that means including all procedures and symbolic parameters

PC Client - Dataset Flowchart Preds and Succs

The screenshot displays the XINFO PC Client interface for a JCL Data Flowchart. The main workspace shows a hierarchical flowchart with nodes and connecting lines. A 'Search level' dialog box is open, allowing the user to specify the number of predecessor and successor levels to search. The 'Predecessor level' is currently set to 'Not limited', and the 'Successor level' is set to an empty field. A context menu is open over a node, with the 'Predecessors...' option highlighted. A speech bubble points to this option, explaining that these functions list all direct predecessors and successors. The status bar at the bottom indicates the user is connected as 'P392E' to file 'XX37T#25' and shows statistics: 'Lines: 5000 Nodes: 3277 Links: 2394'.

The "Predecessors", "Successors" or "Pred. and succ." functions are listing all direct predecessors and successors ...

PC Client - Dataset Flowchart Preds and Succs

The screenshot displays the XINFO PC Client interface for a JCL Data Flowchart. The main workspace shows a flowchart with the following nodes and connections:

- Top node: `4` (containing `XXRISMF` and `XXRJSMC`)
- Left node: `SRTSMCO NCC`
- Right node: `SMFCITO NCC`
- Bottom-left node: `SYSH.XINFO.V3R6.DATA.XXRTSMC.FILT` (highlighted in blue)
- Bottom-right node: `SYSH.XINFO.V3R6.DATA.XXRTSMC.TE` (highlighted in yellow)

Arrows indicate data flow from the top node to the left and right nodes, and from both the left and right nodes to the bottom-left and bottom-right nodes respectively.

The search result window on the right, titled "Search Result: Predecessors", shows the following table:

| Object Type | Min. Level | Value |
|-------------|------------|-------------------|
| DSN | 0 | SYSH.XINFO.V3R6.D |
| PGM | -1 | 6 - IDCAMS - XXRJ |
| DSN | -2 | SYSH.XINFO.V3R6.D |
| PGM | -3 | 5 - SORT - XXRJSM |
| DSN | -4 | SYSH.XINFO.V3R6.D |
| DSN | -4 | SYSH.XINFO.V3R6.D |
| DSN | -4 | SYSH.XINFO.V3R6.D |
| PGM | -5 | 4 - XXRISMF - XXR |

A callout bubble points to the selected entry in the search results with the text: "A simple click on an entry ...".

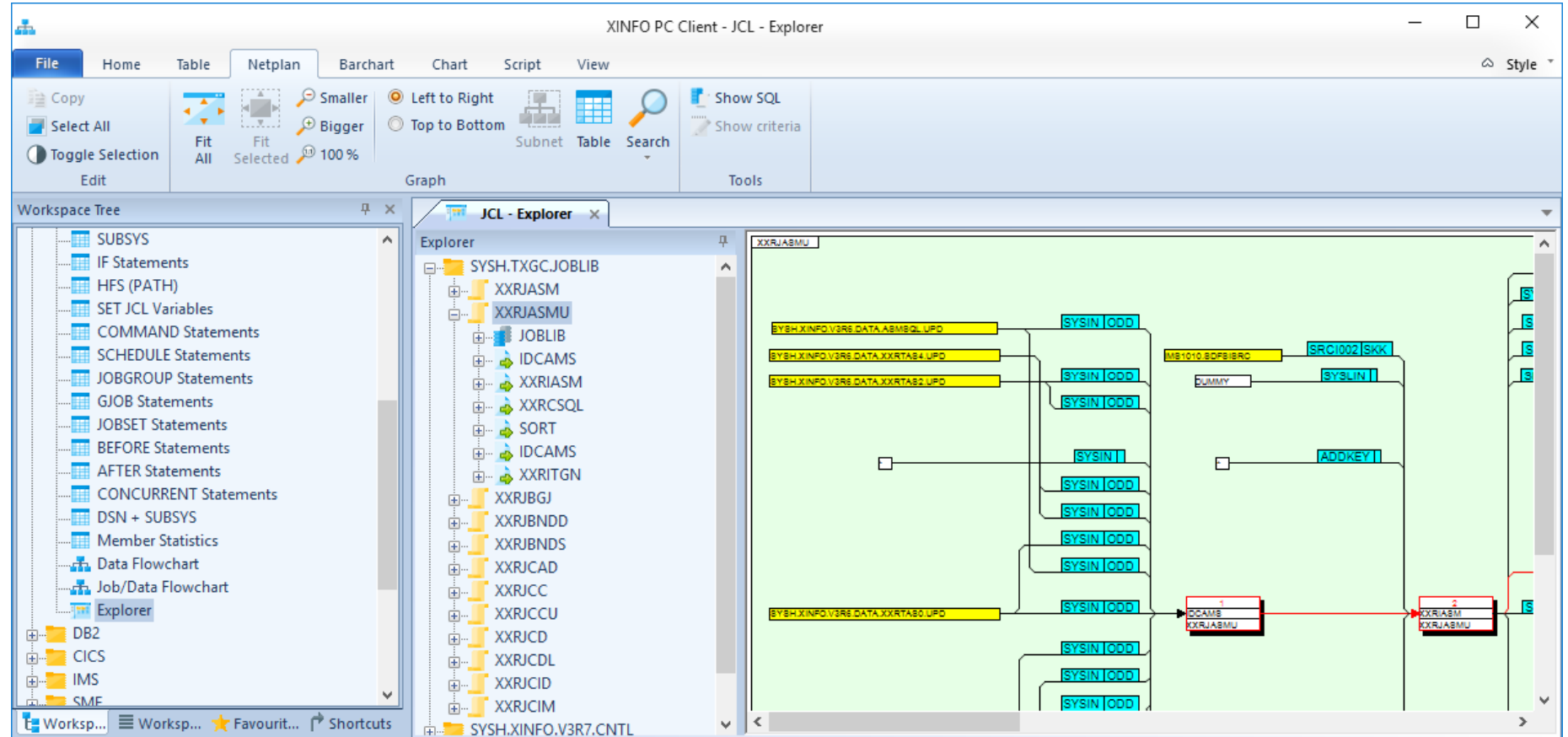
Another callout bubble points to the blue-highlighted dataset node in the flowchart with the text: "... marks the Dataset in the Graphic!".

The status bar at the bottom indicates: "Connected as: P392E, file: XX37T#25" and "Lines: 5000 Nodes: 3277 Links: 2394".

PC Client - JCL Explorer

The JCL Explorer displays the JCL (and the called procedures) in a tree containing:

- Jobs
- Joblibs
- Steps
- Steplib
- Programs
- DD
- DSN



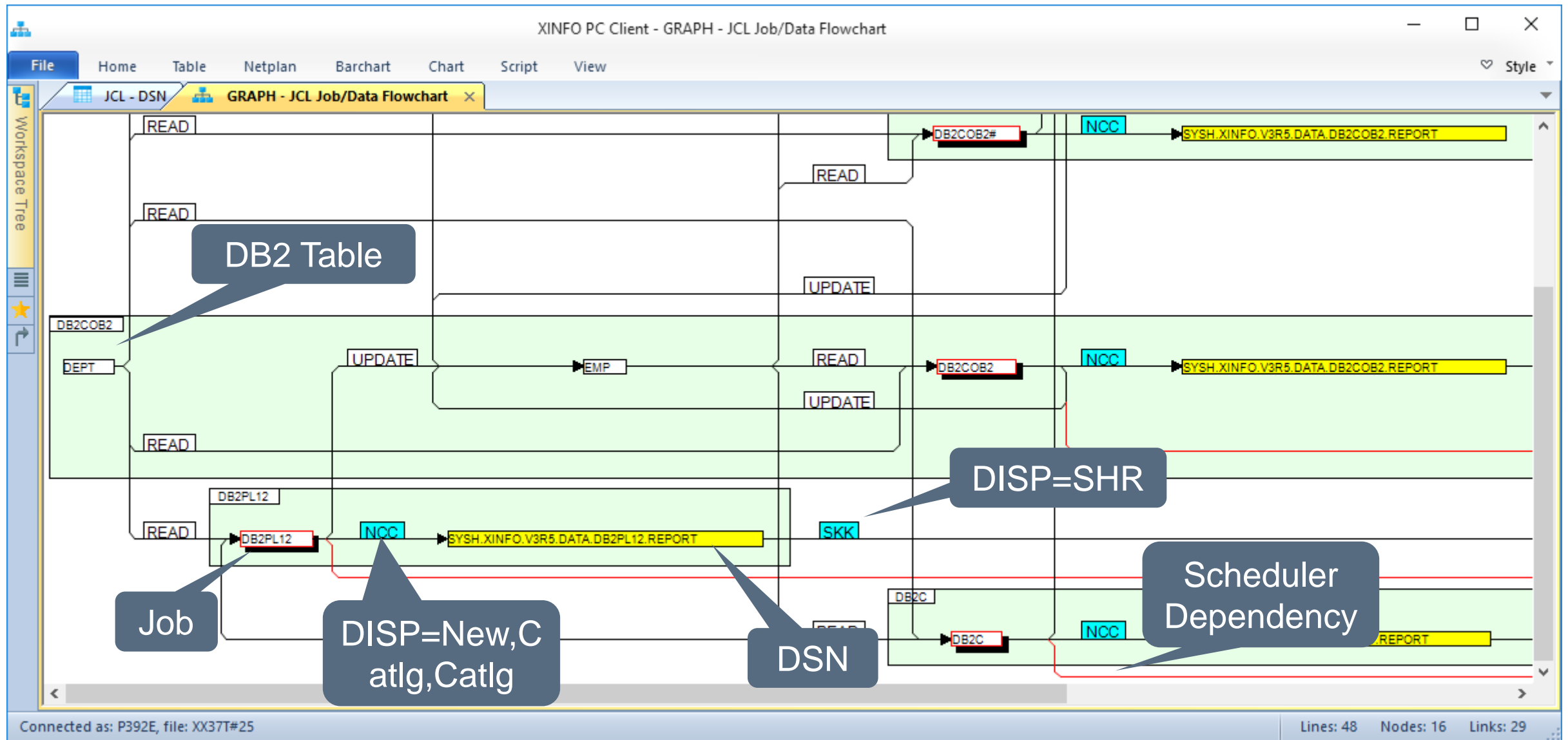
PC Client - JCL Explorer - Overview

The screenshot shows the XINFO PC Client - JCL Explorer application. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, SQL), a toolbar with various icons, and a main workspace. The workspace is divided into a 'Workspace Tree' on the left and an 'Explorer' pane on the right. The 'Workspace Tree' shows a hierarchy starting with 'Scheduler' and 'JCL', with sub-items like 'JOB Statements', 'JES Statements', etc. The 'Explorer' pane shows a selected job 'SYSH.TXGC.JOBLIB' with its components: 'XXRJASM', 'JOB LIB', 'SYSH.XINFO.V3R6.LOAD', 'IDCAMS', and 'SYSIN'. The 'SYSIN' component is expanded to show a list of data sets, including 'SYSH.XINFO.V3R6.DATA.ASMDEBUG' through 'SYSH.XINFO.V3R6.DATA.XXRTAS5'. Callouts point to these elements: 'Click on job symbol' points to the job name, 'Job' points to the job name, 'PGM' points to the 'JOB LIB' component, 'DD' points to the 'SYSIN' component, and 'DSN' points to the list of data sets.

PC Client - JCL Explorer - Data flowchart

The screenshot displays the XINFO PC Client - JCL - Explorer interface. On the left, the Explorer pane shows a tree structure under 'SYSH.TXGC.JOBLIB'. The 'JOBLIB' folder is expanded, and the 'XXRJASM' joblib symbol is selected. A callout bubble points to this symbol with the text 'Click on a Joblib symbol ...'. The main window displays a data flowchart for the selected joblib. The flowchart consists of numerous rectangular nodes connected by lines, representing the sequence of operations in the job. A red line highlights a specific path through the flowchart, starting from a node on the left and moving towards the right. A second callout bubble points to this red path with the text '... and you get a Data flowchart of the job.'.

PC Client - JCL Explorer - Job netplan



PC Client - JCL Explorer - Job netplan

The screenshot displays the XINFO PC Client interface for TWS z/OS - Job Netplan. The main workspace shows a job netplan diagram with nodes representing jobs and their dependencies. The nodes are labeled with job names and CPU IDs, such as KINFO36, XXRJCM21, CPU p17, and XXRJCM11, CPU p15. The diagram is organized into columns, with arrows indicating the flow of jobs from left to right. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with various icons for editing and viewing. A status bar at the bottom indicates 'Lines: 244 Nodes: 149 Links: 236'. Two callout boxes provide additional information: one in the top right says '... and get the job netplan for your scheduler (here IWS)!', and one in the bottom left says 'Just a hint: full mouse wheel support in all views for both moving and zooming (with Ctrl pressed)'.

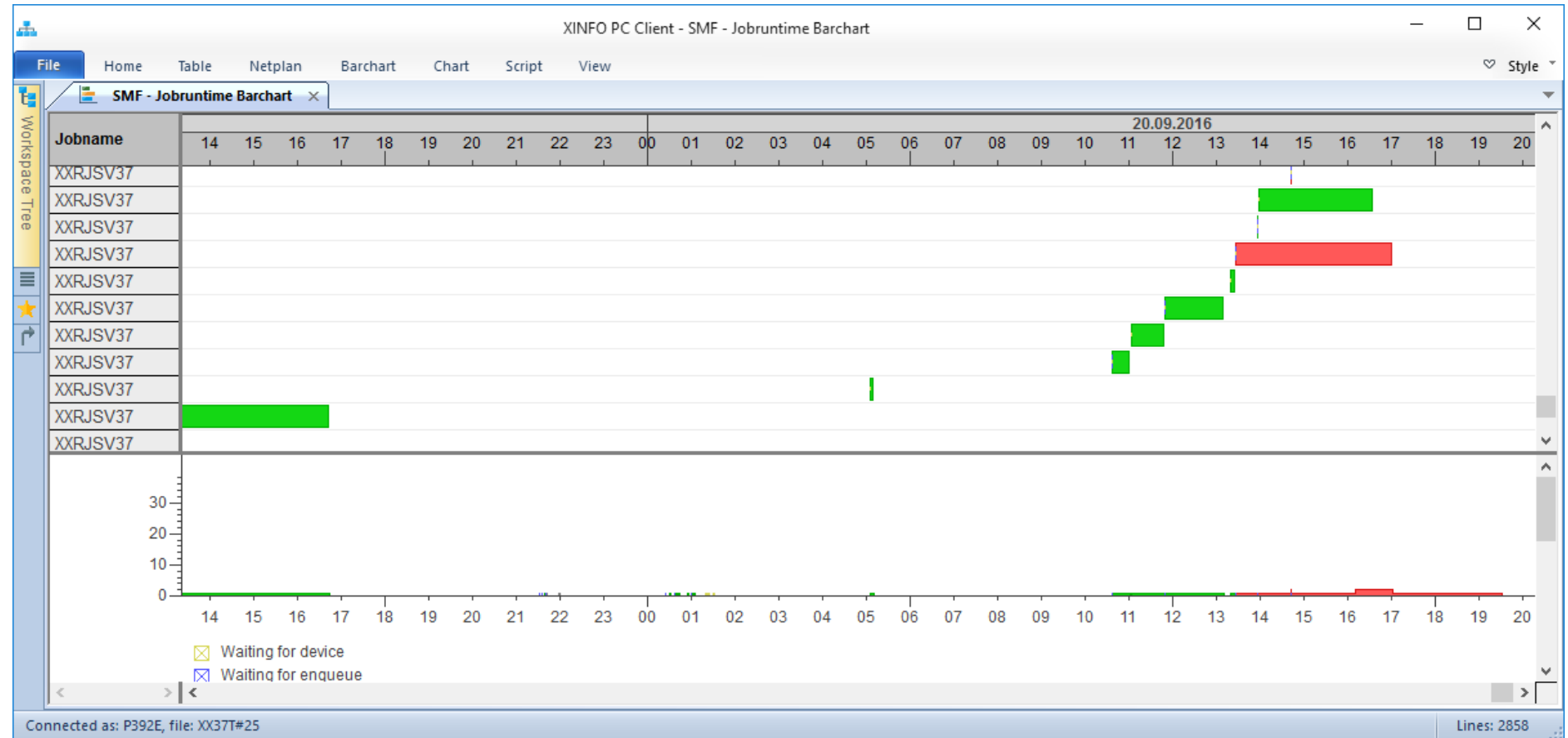
... and get the job netplan for your scheduler (here IWS)!

Just a hint: full mouse wheel support in all views for both moving and zooming (with Ctrl pressed)

PC Client - SMF Barchart

A SMF Barchart displays SMF Information graphically

- Jobnames
- Starttime
- Endtime
- Waittime
- Errorjobs
- Summary Curve



PC Client - SMF Barchart

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Fit All Fit Selected 100% Graph Subnet Table

Workspace Tree

- Scheduler
- JCL
- DB2
- CICS
- IMS
- SMF
 - Job Information
 - Step Information
 - Dataset Usage
 - zFS file usage
 - CICS Monitor Tran
 - Printer
 - CA XCOM
 - Jobruntime Barchart**
- Space
- PO
- Output
- Programs
- Source
- Distributed
- XINEO

SMF - Jobruntime Barchart

| | | |
|--------------------|---|---------------------|
| Jobname | = | XXRJ* |
| Owner | = | |
| Jesname | = | |
| System ID | = | |
| Return-Code | = | |
| Submit Time | = | YYYY-MM-DD-HH:MM:SS |
| Start Time | > | 2018.08.01 |
| End Time | = | YYYY-MM-DD-HH:MM:SS |
| Duration (sec) | = | |
| Wait for Initiator | = | |
| CPU Time (sec) | = | |
| waits for Device | = | |

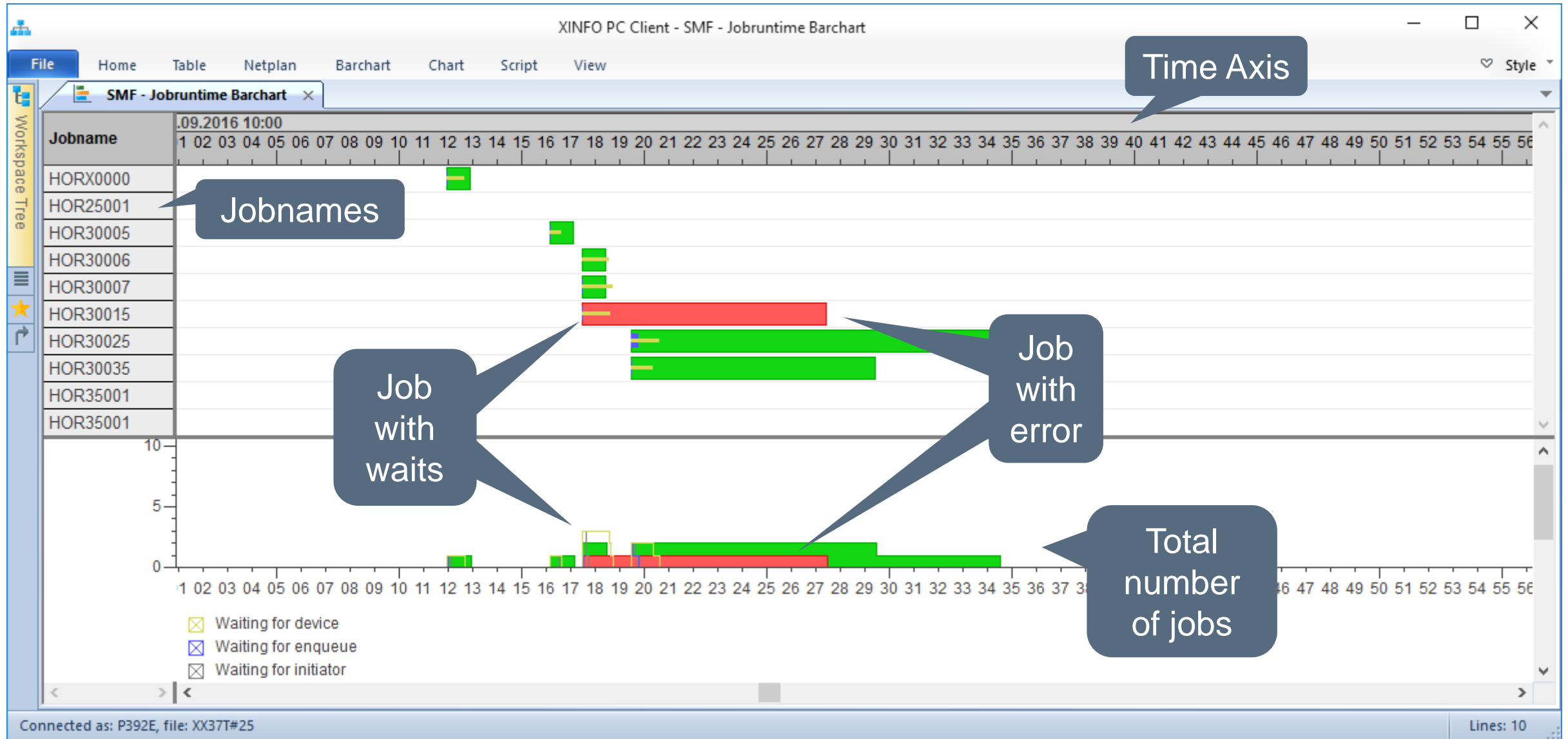
OK Actions Cancel

Insert your query in the inputpanel

How did the jobs run with XXRJ* as job name prefix on 01.08.2018?

Choose SMF - Jobruntime Barchart

PC Client - SMF Barchart Overview



Time Axis

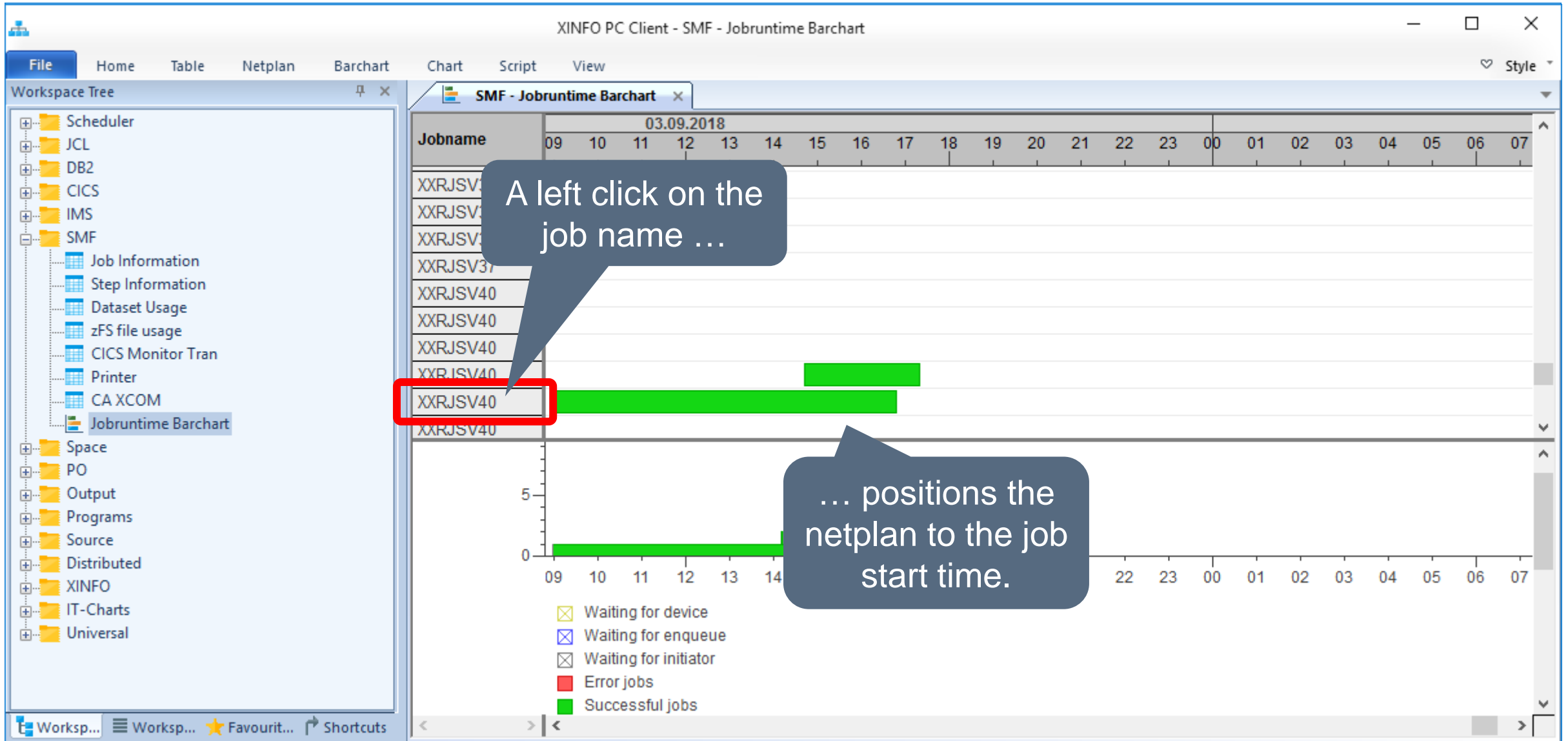
Jobnames

Job with waits

Job with error

Total number of jobs

PC Client - Barchart



PC Client - SMF Barchart Line Commands

The screenshot displays the 'XINFO PC Client - SMF - Jobruntime Barchart' window. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar. A 'Workspace Tree' on the left lists job names: HORX0000, HOR25001, HOR30005, HOR30006, HOR30007, HOR30015, HOR30025, HOR30035, HOR35001, and HOR35001. The main area is a Gantt chart for the date '09.2016 10:00' with a time axis from 1 to 56. A context menu is open over the 'SMF' job, listing various line commands: Browse, Automic, Bagjas, BETA93, Control-D, Control-M, CA Deliver, CA7, DB2, GRAPH, IMS, JCL, Space, SMF, TWS z/OS, and Zeke. The 'SMF' option is highlighted, and a sub-menu is visible with options: zFS file usage, Dataset Usage, Job Information, Job-Step Run Times, and Printer. A callout box with a blue background and white text states: 'And again: All XINFO Graphics have line commands which can be activated with a right mouse click!'. The status bar at the bottom shows 'Connected as: P392E, file: XX37T#25' and 'Lines: 10'.

And again:
All XINFO Graphics
have line commands
which can be activated
with a right mouse click!

PC Client - SMF Barchart Line Commands

| Name | Value |
|--------------------|----------------------------|
| Client | |
| Environment | |
| Jobname | HOR30005 |
| Jesname | JOB13669 |
| System ID | S0W1 |
| Return-Code | |
| Start Time | 2016-09-02-10:16:09.320000 |
| End Time | 2016-09-02-10:17:10.070000 |
| Duration (sec) | 6075 |
| Wait for Initiator | 22 |
| CPU-Time (sec) | 1 |
| EXCP | 14 |
| Waits for Enqueue | 1 |
| Waits for Device | 28 |
| Owner | TXGC |
| Submit Time | 2016-09-02-10:16:09.100000 |

Return code, Start and End time

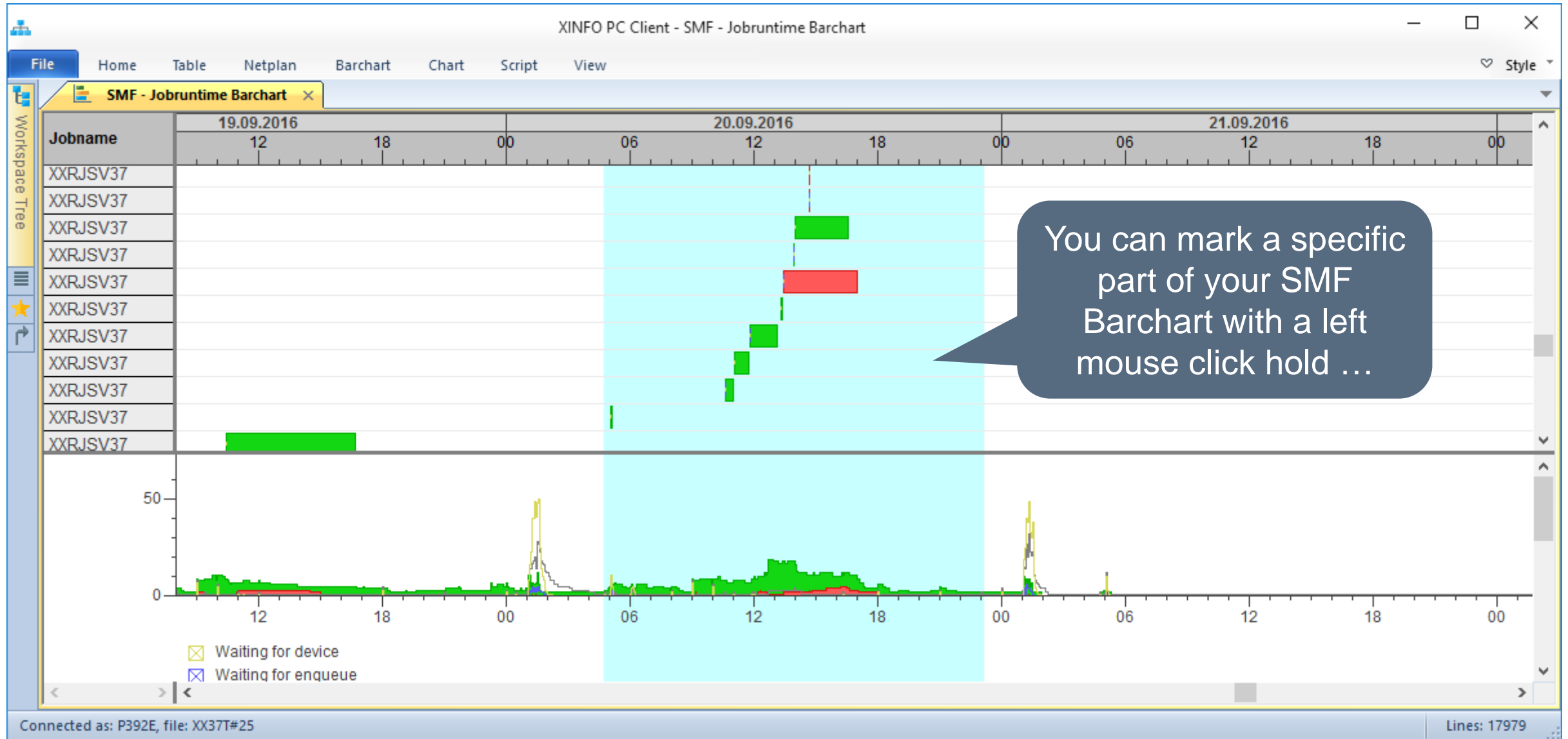
Wait for Initiators

Wait for Enqueue or Device

Double left mouse click on a job to browse all details!

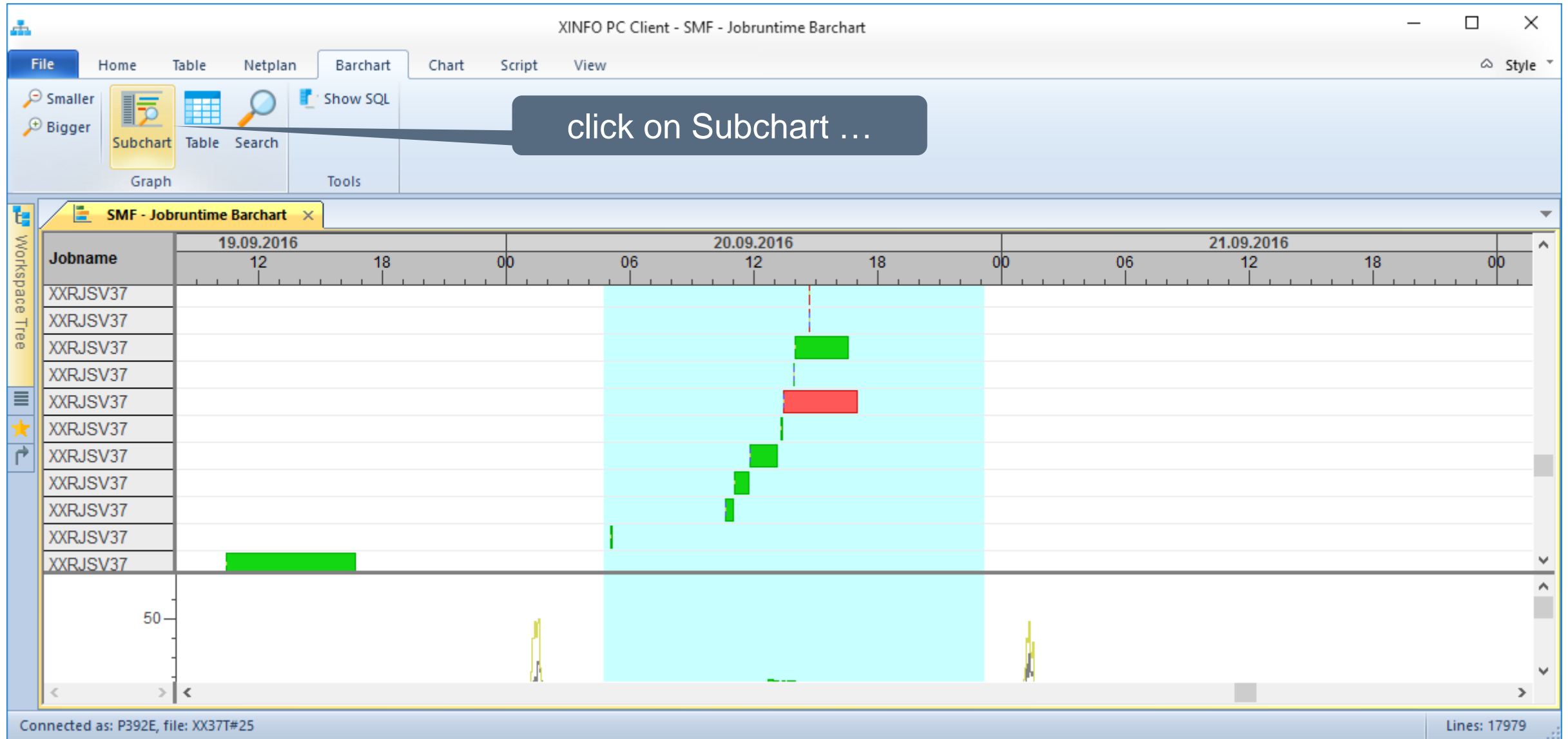
OK Copy Print... Save As...

PC Client - SMF Barchart Subchart

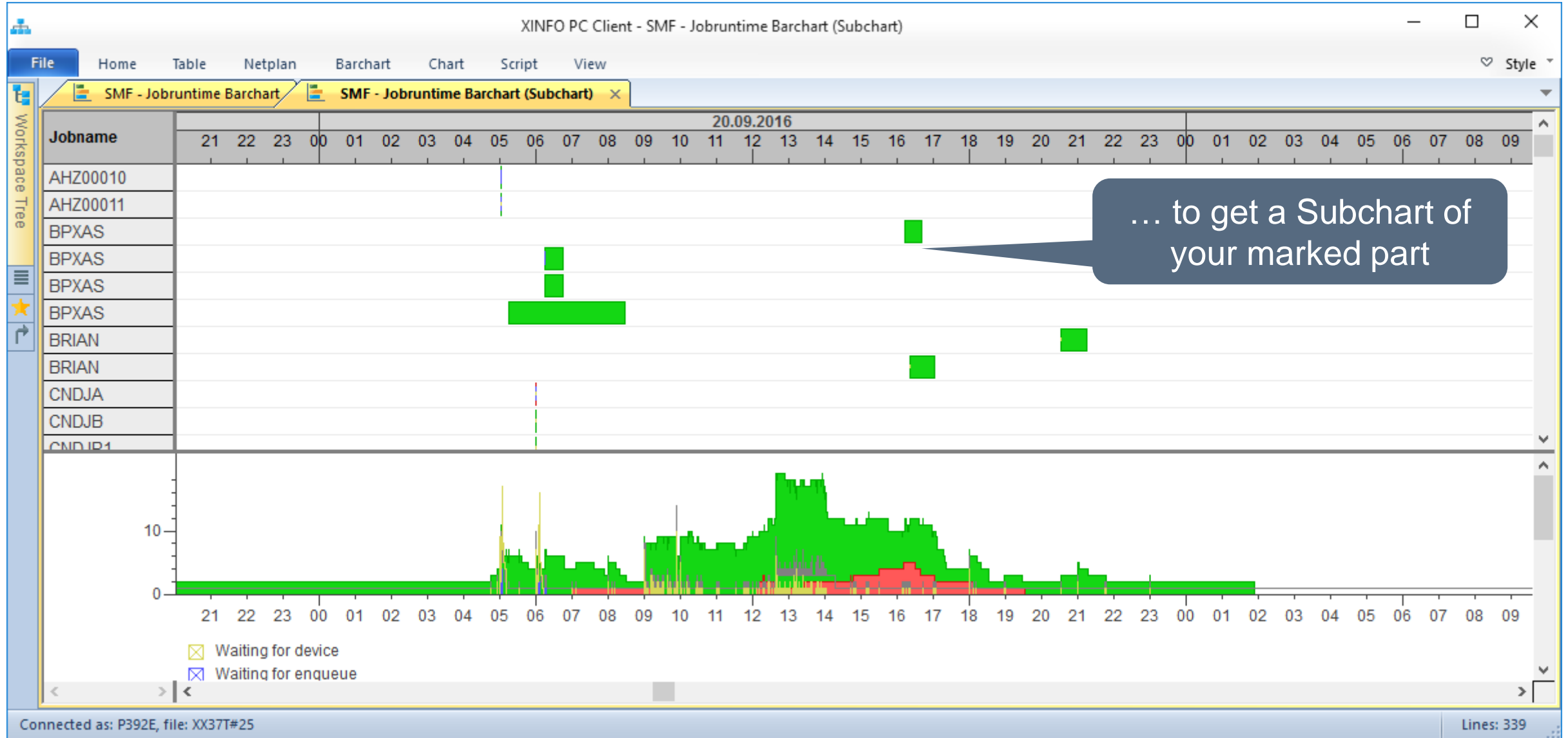


You can mark a specific part of your SMF Barchart with a left mouse click hold ...

PC Client - SMF Barchart Subchart

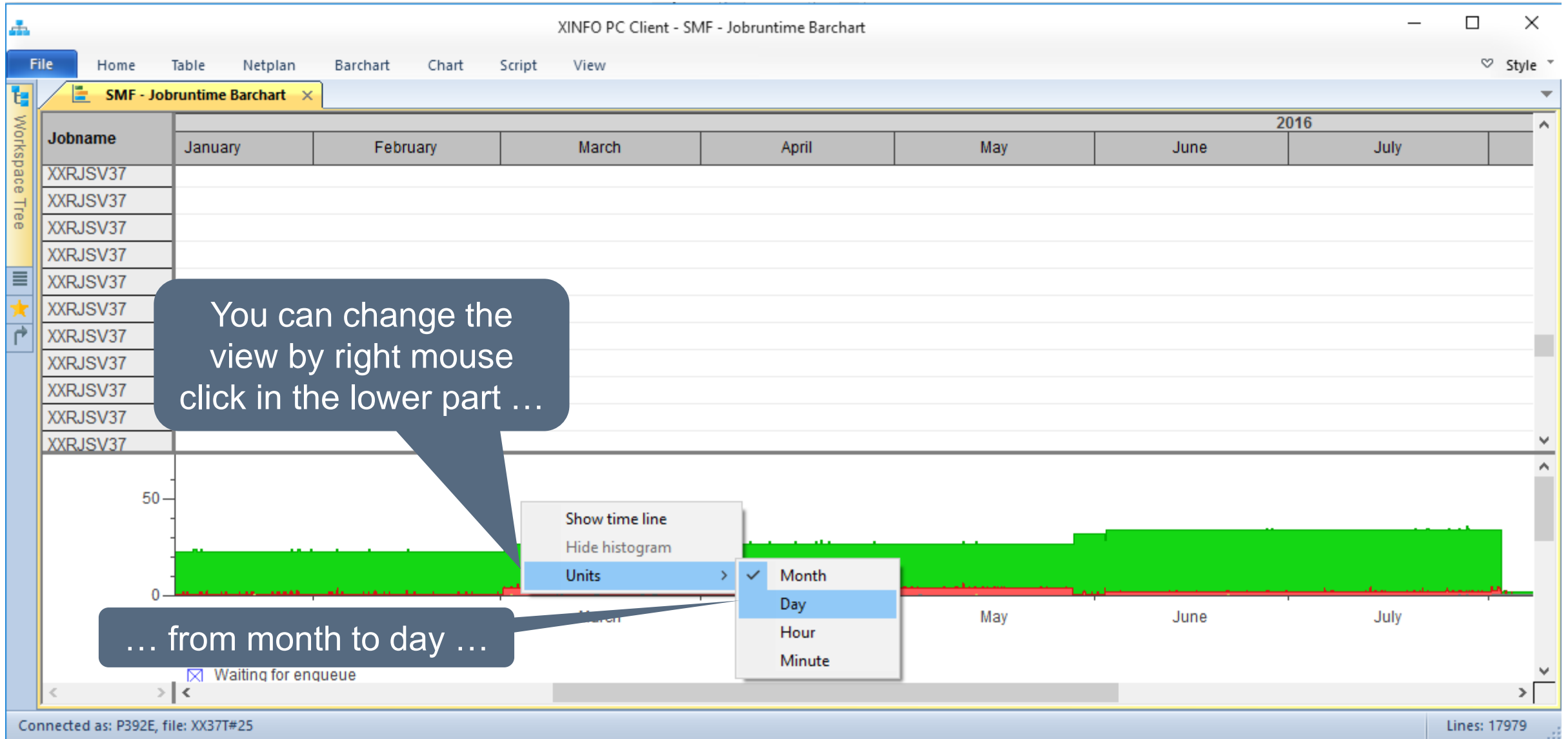


PC Client - SMF Barchart Subchart

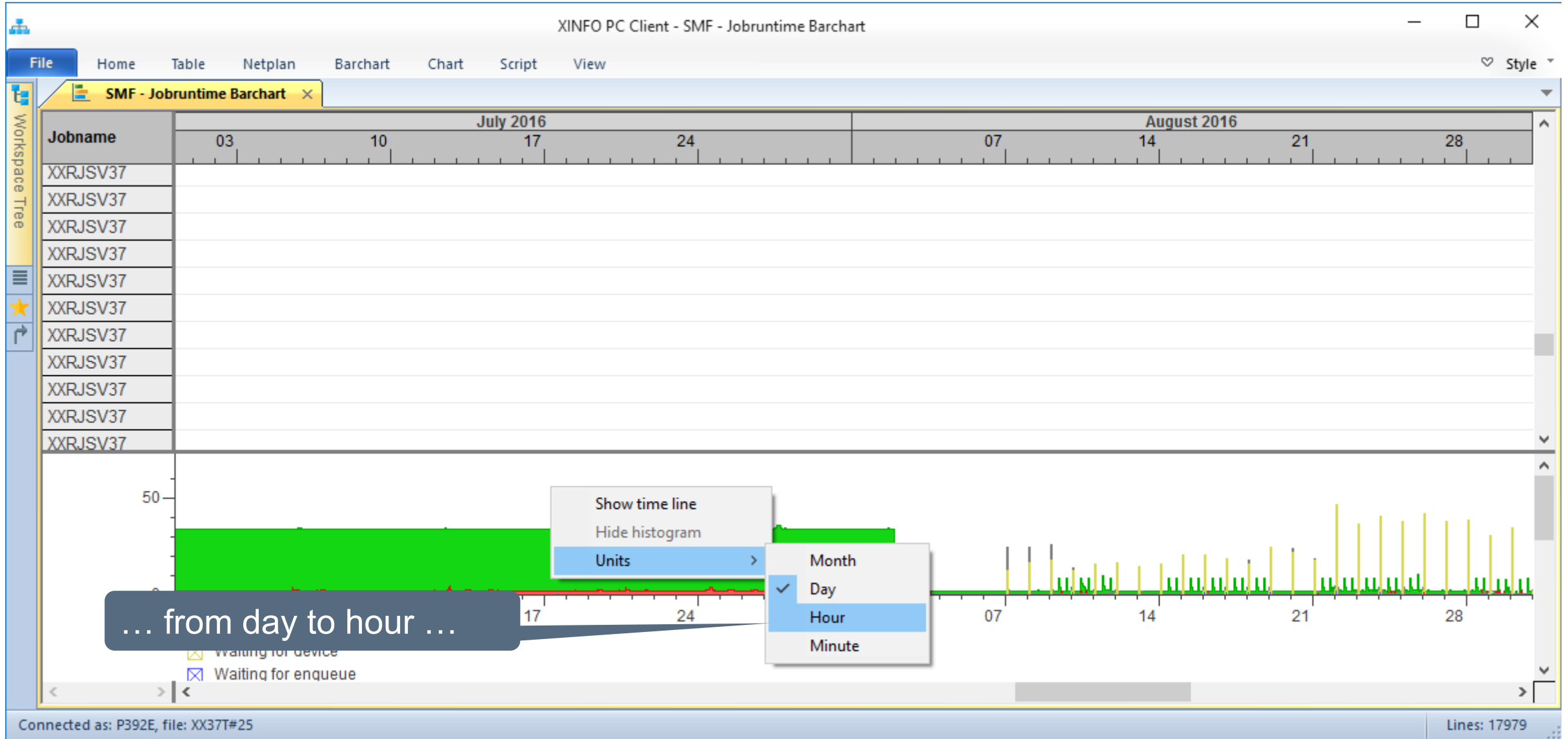


... to get a Subchart of your marked part

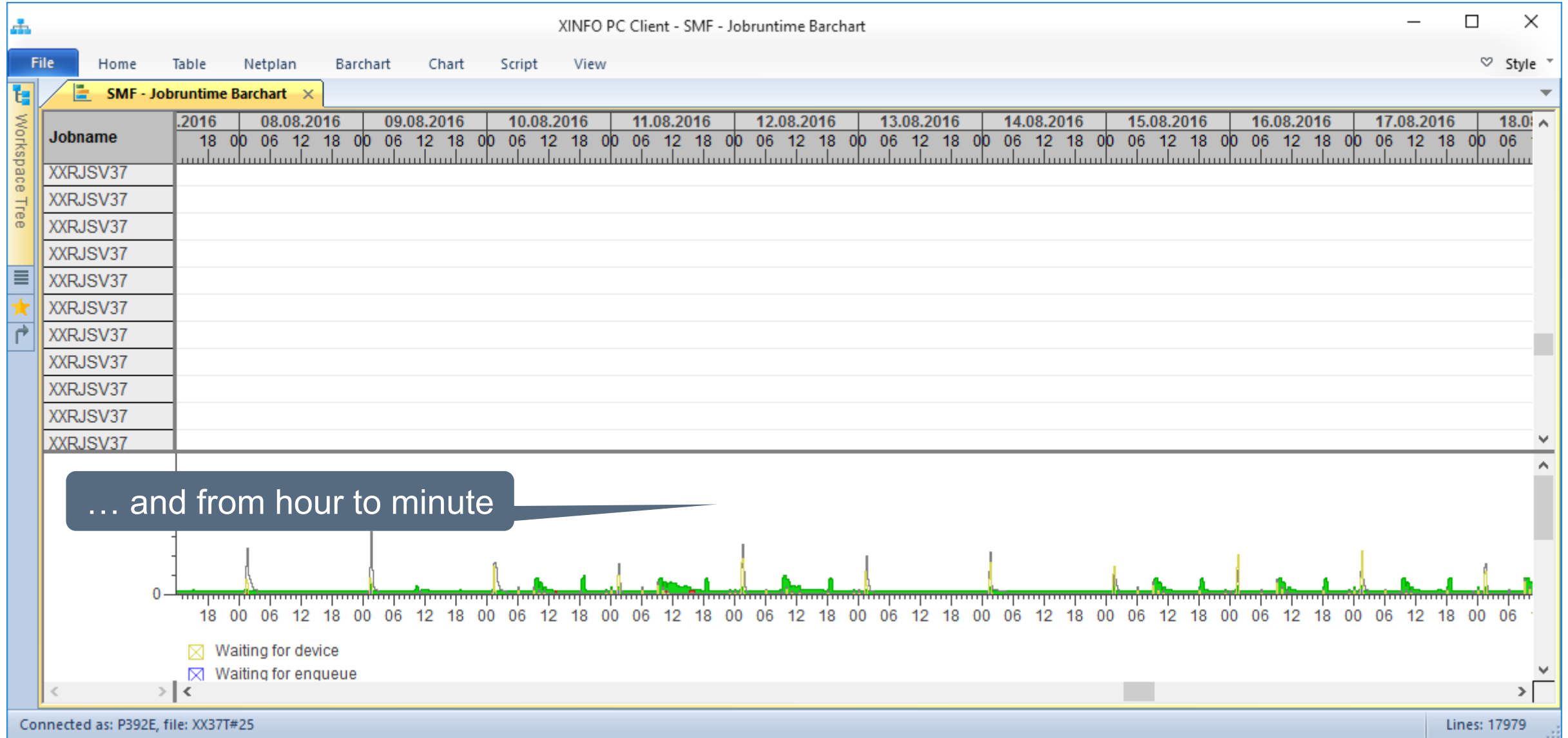
PC Client - SMF Barchart



PC Client - SMF Barchart



PC Client - SMF Barchart



PC Client - SMF Barchart Zoom

The screenshot shows the XINFO PC Client interface for a SMF Jobruntime Barchart. The window title is "XINFO PC Client - SMF - Jobruntime Barchart". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains several groups: "Smaller" and "Bigger" (highlighted with a red box), "Subchart", "Table", "Search", "Show SQL", "Graph", and "Tools". The main area displays a barchart for "Jobna" on "09.08.2016". The x-axis represents time from 19:00 to 08:00. The y-axis represents the number of lines. The chart shows two distinct peaks: one around 01:00 and another around 01:30. A legend at the bottom indicates that yellow bars represent "Waiting for device" and blue bars represent "Waiting for enqueue". A blue callout box with the text "... or click on the buttons" points to the "Smaller" and "Bigger" buttons. The status bar at the bottom shows "Connected as: P392E, file: XX37T#25" and "Lines: 17979".

PC Client - SMF Barchart Search

The screenshot shows the XINFO PC Client - SMF - Jobruntime Barchart window. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with icons for 'Smaller', 'Bigger', 'Subchart', 'Table', 'Search', and 'Show SQL'. A callout box points to the 'Search' icon with the text: "Click on Search to find a Job in Barchart".

The main workspace displays a table of job names and a corresponding barchart. The table has a 'Jobname' column with the following entries:

| Jobname |
|----------|
| XXRJSV37 |
| XXRJSV37 |
| XXRJSV37 |
| XXRJSV37 |
| XXRJSV37 |
| XXRJSV37 |
| XXRJSV37 |
| XXRJSV37 |

The barchart below the table shows activity for the date 09.08.2016, with a time axis from 19 to 08. The chart displays two distinct peaks of activity, one around 01:00 and another around 01:00 on the following day. A legend at the bottom of the chart indicates that yellow bars represent 'Waiting for device' and blue bars represent 'Waiting for enqueue'.

A 'Search' dialog box is open in the center of the screen, containing the following fields:

- Jobname: - Jesname:
- System ID:

The dialog box also features 'OK' and 'Cancel' buttons.

At the bottom of the window, the status bar shows "Connected as: P392E, file: XX37T#25" and "Lines: 17979".

PC Client - SMF Barchart Search

The screenshot displays the XINFO PC Client interface for SMF Jobruntime Barchart. The main window title is "XINFO PC Client - SMF - Jobruntime Barchart". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The toolbar contains icons for "Smaller", "Bigger", "Subchart", "Table", "Search", and "Show SQL".

The workspace tree on the left shows a list of job names: "XXRJSV37". The main area displays a barchart for the date "09.08.2016". The x-axis represents time from 19:00 to 20:00. The y-axis represents the number of jobs. A legend indicates that yellow bars represent "Waiting for device" and blue bars represent "Waiting for enqueue".

The search result table on the right shows the following data:

| Jobname | Jesname | System ID |
|---------|----------|-----------|
| XXRJASM | JOB15027 | S0W1 |
| XXRJASM | JOB14572 | S0W1 |
| XXRJASM | JOB14270 | S0W1 |
| XXRJASM | JOB13878 | S0W1 |
| XXRJASM | JOB13445 | S0W1 |
| XXRJASM | JOB13017 | S0W1 |
| XXRJASM | JOB12552 | S0W1 |
| XXRJASM | JOB12071 | S0W1 |
| XXRJASM | JOB11589 | S0W1 |
| XXRJASM | JOB11295 | S0W1 |
| XXRJASM | JOB10996 | S0W1 |
| XXRJASM | JOB10531 | S0W1 |
| XXRJASM | JOB10047 | S0W1 |
| XXRJASM | JOB09500 | S0W1 |
| XXRJASM | JOB09002 | S0W1 |
| XXRJASM | JOB08526 | S0W1 |
| XXRJASM | JOB08226 | S0W1 |
| XXRJASM | JOB07927 | S0W1 |

A callout box with the text "All Jobs with XXR*" points to the search result table. The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25" and "Lines: 17979".

PC Client - SMF Barchart Line commands

The screenshot shows the XINFO PC Client interface for SMF Jobruntime Barchart. The main window displays a barchart with a table of job names and their execution times. A context menu is open over the 'Operation Data' section, showing various options like 'Browse', 'Automatic', 'Bagjas', 'BETA93', 'Control-D', 'Control-M', 'CA Deliver', 'CA7', 'DB2', 'GRAPH', 'IMS', 'JCL', 'Space', 'SMF', and 'TWS z/OS'. The 'Operation Data' option is highlighted. A speech bubble points to the 'Operation Data' section of the barchart, containing the text: "Of course you can jump to all other data belonging to this job = line command, e.g. directly to the resources of the scheduler (here IWS) ...".

Workspace Tree:

- Scheduler
- JCL
- DB2
- CICS
- IMS
- SMF
 - Job Information
 - Step Information
 - Dataset Usage
 - zFS file usage
 - CICS Monitor Tran
 - Printer
 - CA XCOM
 - Jobruntime Barchart
- Space
- PO
- Output
- Programs
- Source
- Distributed
- XINEO

| Jobname | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
|----------|----|----|----|----|----|----|----|----|----|
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASM | | | | | | | | | |
| XXRJASMU | | | | | | | | | |
| XXRJBND | | | | | | | | | |
| XXRJBND | | | | | | | | | |
| XXRJB93H | | | | | | | | | |
| XXRJCA1 | | | | | | | | | |
| XXRJCB | | | | | | | | | |

Legend:

- Waiting for device
- Waiting for enqueue

Operation Data:

- Current Plan
- Job Run Times
- Operation Data
- Pred. of Job
- Run Cycles + Jobs
- Special Resources
- Succ. of Job
- SR-Usage

Of course you can jump to all other data belonging to this job = line command, e.g. directly to the resources of the scheduler (here IWS) ...

PC Client - SMF Barchart Line commands

The screenshot displays the XINFO PC Client interface for TWS z/OS - Operation Data. The main window shows a table of SMF Jobruntime Barchart data. The table has columns for Application ID, WSID, ON, Jobname, Description, #Int, #Ext, No.SR, Duration, Dur.-Sec., T, SD, STime, DD, DTime, C, HRC, and Sub. The data rows are:

| Application ID | WSID | ON | Jobname | Description | #Int | #Ext | No.SR | Duration | Dur.-Sec. | T | SD | STime | DD | DTime | C | HRC | Sub |
|----------------|--------|-------|---------|----------------|------|-------|-------|----------|-----------|---|----|-------|-------|-------|-------|-----|-----|
| <all> | <a...> | <all> | <all> | <all> | <..> | <...> | <all> | <all> | <all> | | | <all> | <all> | <...> | <...> | | |
| XINFO35 | CPU | 100 | XXRJASM | SCAN Assembler | 1 | 0 | 0 | 00:36:00 | 2160 | N | | | | | N | | Y |
| XINFO36 | CPU | 100 | XXRJASM | SCAN Assembler | 1 | 0 | 0 | 00:20:16 | 1216 | N | | | | | N | | Y |

The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with various options like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, Show SQL, Show criteria, Inverse Filter, New, Library, and Explorer. A Workspace Tree on the left shows a hierarchical view of the data, with SMF Jobruntime Barchart selected. The status bar at the bottom shows workspace and shortcut information.

PC Client - SMF Barchart Line commands

The screenshot displays the XINFO PC Client interface for SMF Jobruntime Barchart. A 'Browse' dialog window is open, showing the JCL for job SYSH.TXGC.JOBLIB(XXRJASM). The JCL includes commands for job definition, dataset deletion, and execution. A context menu is visible over the barchart, with 'Job' selected, showing options like 'JCL with Procedures'. A callout box points to the 'Job' option with the text: 'Or display the JCL directly with the right mouse click.' The barchart shows green bars representing job execution times across various categories like JCL, IMS, and SMF.

```
1 //XXRJASM JOB (ACCOUNT), 'HORIZONT',MSGCLASS=T,CLASS=A,  
2 // NOTIFY=&SYSUID  
3 //*  
4 //*  
5 //LIBS JCLLIB ORDER=(SYSH.XINFO.V3R6.PROCLIB)  
6 //* HORIZONT (ORIGINAL) JOB NAME: XXRJASM  
7 //* HORIZONT (ORIGINAL) CORRESPONDING FINAL LOAD JOB NAME: XXRJLD19  
8 //JOB LIB DD DSN=SYSH.XINFO.V3R6.LOAD,  
9 // DISP=SHR  
10 *****  
11 //* EXTRACT INFORMATION FROM HIGH LEVEL ASSEMBLER SOURCE  
12 *****  
13 *****  
14 //* DELETE DATASET(S)  
15 *****  
16 //DELETE EXEC XXRJUNC,COND=(4,LT)  
17 //SYSIN DD *  
18 DEL SYSH.XINFO.V3R6.DATA.XXRTAS0  
19 DEL SYSH.XINFO.V3R6.DATA.XXRTAS1  
20 DEL SYSH.XINFO.V3R6.DATA.XXRTAS2  
21 DEL SYSH.XINFO.V3R6.DATA.XXRTAS3  
22 DEL SYSH.XINFO.V3R6.DATA.XXRTAS4  
23 DEL SYSH.XINFO.V3R6.DATA.XXRTAS5  
24 DEL SYSH.XINFO.V3R6.DATA.ASMSQL  
25 DEL SYSH.XINFO.V3R6.DATA.ASMDEBUG  
26 SET MAXCC = 0  
27 *****  
28 //* ANALYSE ASSEMBLER SOURCES  
29 *****  
30 //SCAN EXEC PGM=XXRJASM COND=(4,LT)
```

Or display the JCL directly with the right mouse click.

- Browse
 - Job
 - JCL with Procedures
 - Automic
 - Bagjas
 - BETA93
 - Control-D
 - Control-M
 - CA Deliver
 - CA7
 - DB2
 - GRAPH
 - IMS
 - JCL
 - Space
 - SMF
 - TWS z/OS

PC Client - SMF Barchart of a job

The screenshot shows the XINFO PC Client interface. The 'SMF - Jobruntime Barchart' dialog box is open, displaying a list of fields for job selection. The 'Jobname' field is highlighted with a red box and contains the text 'XXRJJUP*'. A callout bubble points to the selection panel with the text 'Choose a job name in selection panel.' Another callout bubble in the top right corner states 'Objective: To display the job runtime behavior of a job.'

| Field | Operator | Value | Format |
|--------------------|----------|----------|---------------------|
| Jobname | = | XXRJJUP* | |
| Owner | = | | |
| Jesname | = | | |
| System ID | = | | |
| Return-Code | = | | |
| Submit Time | = | | DD-HH:MM:SS |
| Start Time | = | | DD-HH:MM:SS |
| End Time | = | | YYYY-MM-DD-HH:MM:SS |
| Duration (sec) | = | | |
| Wait for Initiator | = | | |
| CPU-Time (sec) | = | | |
| EXCP | = | | |
| Waits for Enqueue | = | | |
| Waits for Device | = | | |

Buttons: OK, Actions, Cancel

PC Client - SMF Barchart of a job

The screenshot shows the XINFO PC Client interface with the 'Barchart' tab selected. A details window is open on the left, displaying the following job information:

| Name | Value |
|--------------------|----------------------------|
| Client | |
| Environment | |
| Jobname | XXRJJUP1 |
| Jesname | JOB73213 |
| System ID | S0W1 |
| Return-Code | CC 0004 |
| Start Time | 2018-08-31-11:40:48.980000 |
| End Time | 2018-08-31-11:41:16.300000 |
| Duration (sec) | 27 |
| Wait for Initiator | 1 |
| CPU-Time (sec) | 18 |
| EXCP | 37373 |
| Waits for Enqueue | 0 |
| Waits for Device | 2 |
| Owner | P391H |
| Submit Time | 2018-08-31-11:40:47.500000 |

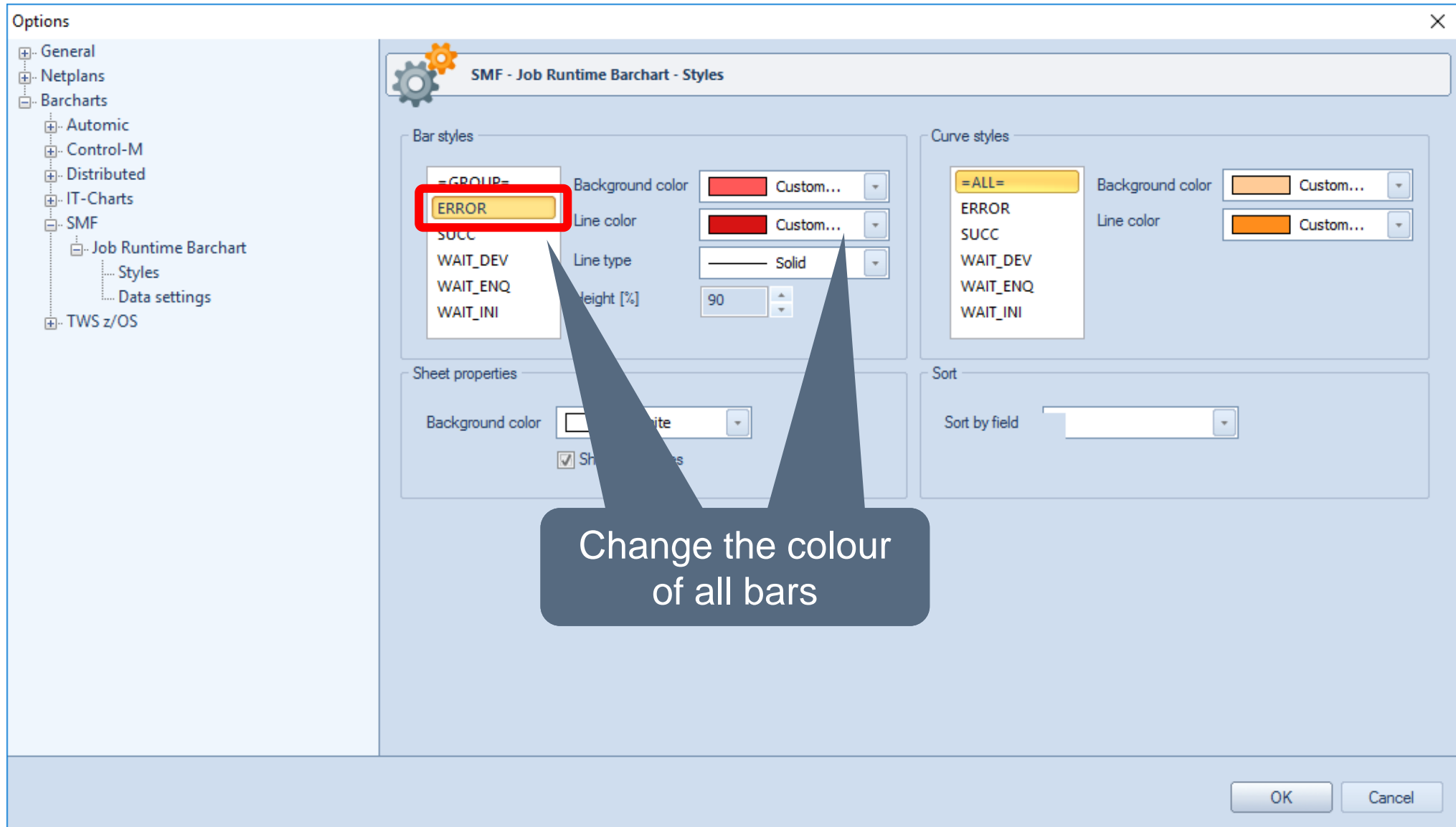
The main barchart displays a timeline from 4 to 13. A callout points to the x-axis label '4' stating: "The date is missing in the time axis." Another callout points to a small bar at approximately time 11.5, labeled: "Little outlier". A third callout points to a large, consistent bar at time 10, labeled: "Very 'stable' runtime behavior - almost always at the same time." A fourth callout points to the bar at time 10, asking: "When was this 'outlier' job, double mouse click on bar." The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with buttons for OK, Copy, Print..., and Save As... The bottom status bar shows 'Worksp...' and 'Favourit...'.

PC Client - Barchart Options

Click on Options to change the layout of the SMF barchart.

| Jobname | 21 | 22 | 23 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 1 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| XXRJSV40 | | | | | | | | | | | | | | | | | | | | | | | |
| XXRJSV40 | | | | | | | | | | | | | | | | | | | | | | | |
| XXRJSV40 | | | | | | | | | | | | | | | | | | | | | | | |

PC Client - Barchart Options

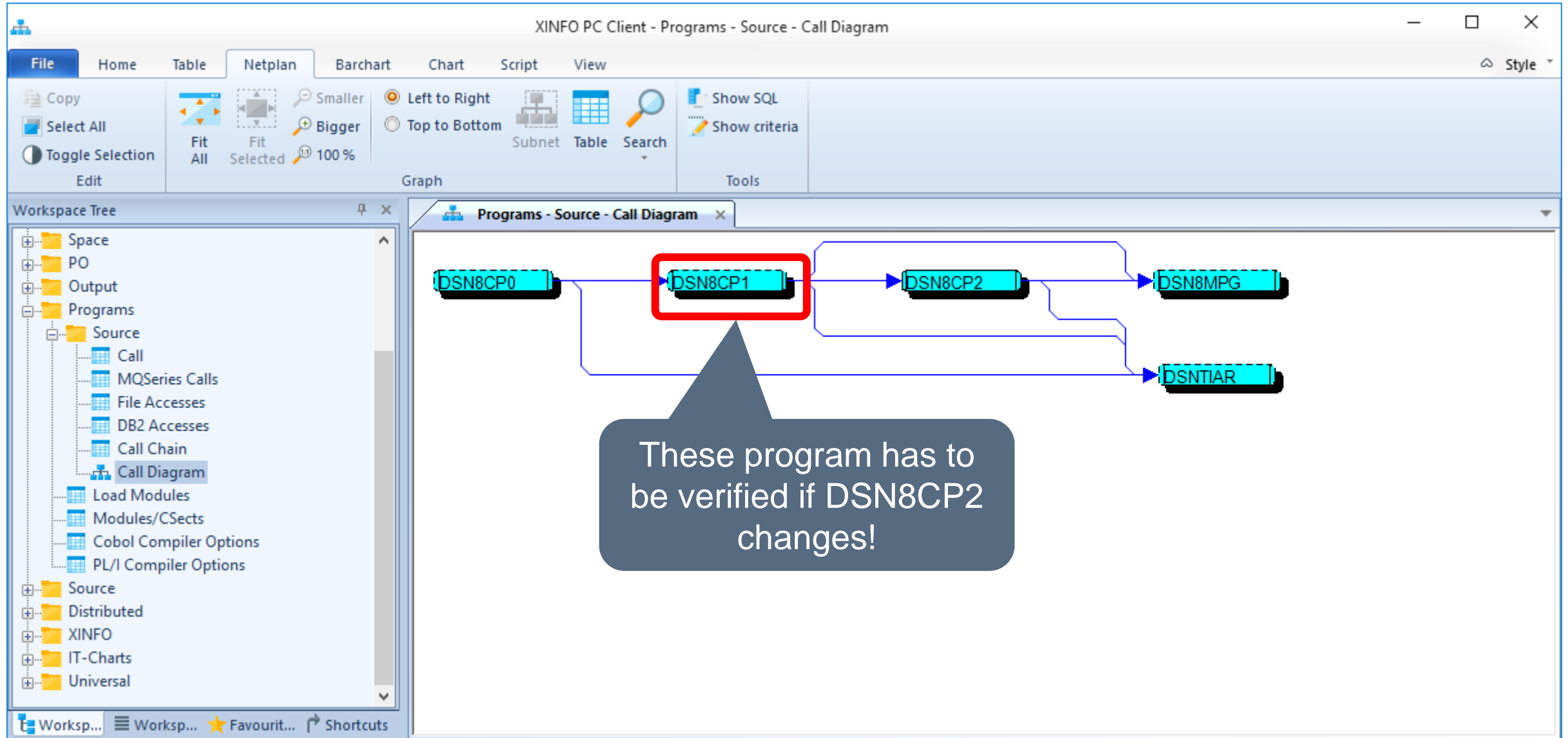


PC Client - Call Diagram

The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left lists various project components, with 'Call Diagram' selected under the 'Source' folder. The 'Programs - Source - Call Diagram' dialog box is open, featuring a red border around the 'Program' field, which is set to 'DSN8CP2'. Other fields include 'Program-Env.', 'Predecessor level' (set to 5), and 'Successor level' (set to 5). A thought bubble on the right asks, 'Which programs call subprogram DSN8CP2?'.

| Field | Value |
|-------------------|---------|
| Program | DSN8CP2 |
| Program-Env. | |
| Predecessor level | 5 |
| Successor level | 5 |

PC Client - Call Diagram



PC Client - Source Explorer

The screenshot shows the XINFO PC Client interface with the 'COBOL - Explorer' dialog box open. The dialog box contains a list of configuration options for a COBOL program, each with a dropdown menu and a text input field. The 'Main Program' dropdown is set to 'DSN8*', which is highlighted with a red rectangle. The 'Workspace Tree' on the left shows a hierarchy of folders including 'C', 'COBOL', and 'Easytrieve'. The 'COBOL' folder is expanded, showing various sub-items like 'General Info', 'COPY', 'CALL', etc. The 'Explorer' folder is highlighted in the tree. The dialog box has 'OK', 'Actions', and 'Cancel' buttons at the bottom.

| Property | Value |
|-------------------|-------|
| Main Program | DSN8* |
| Main Lib | |
| EXEC SQL (Y/N) | |
| EXEC CICS (Y/N) | |
| EXEC DLI (Y/N) | |
| Uses CALL (Y/N) | |
| Dynamic SQL (Y/N) | |
| Last Update User | |
| Last Update Date | |
| Last Update Time | |
| Load Module | |
| System | |

PC Client - Source Explorer

The screenshot displays the XINFO PC Client - COBOL - Explorer application. The interface includes a menu bar with options like File, Home, Table, Netplan, Barchart, Chart, Script, and View. Below the menu is a toolbar with various icons for editing and viewing. The main workspace is divided into two panes: a Workspace Tree on the left and a Source Explorer on the right. The Workspace Tree shows a hierarchy starting with 'C' and 'COBOL', listing various program elements like General Info, COPY, CALL, etc. The Source Explorer shows a specific directory 'DSNB10.SDSNSAMP' containing several sub-directories and files, including DSN8BC3, CALL, COPY, DB2, FILE, DSN8CC, DSN8CC0, CALL, CICS, COPY, DB2, DSN8CC1, DSN8CC2, DSN8CLPL, DSN8CLPV, DSN8CLRV, DSN8CLTC, DSN8EC1, DSN8EC2, and DSN8HC3. A callout box points to the Source Explorer pane, listing possible program elements: CICS, COPY, INCLUDE, CALL, FILE, DB2.

Workspace Tree

- C
- COBOL
 - General Info
 - COPY
 - CALL
 - SELECT/ASSIGN
 - File Access
 - File Section
 - DB2 Access
 - CICS Access
 - DLI Access
 - MQSeries Calls
 - Variable Declarations
 - Variable Usage
 - Unused Code
 - XML Usage
 - Literals
 - Comments
 - Source Content
 - Explorer
- Easvtrieve

Source Explorer

- DSNB10.SDSNSAMP
 - DSN8BC3
 - CALL
 - COPY
 - DB2
 - FILE
 - DSN8CC
 - DSN8CC0
 - CALL
 - CICS
 - COPY
 - DB2
 - DSN8CC1
 - DSN8CC2
 - DSN8CLPL
 - DSN8CLPV
 - DSN8CLRV
 - DSN8CLTC
 - DSN8EC1
 - DSN8EC2
 - DSN8HC3

Possible program elements:
CICS, COPY, INCLUDE,
CALL, FILE, DB2

PC Client - Source Explorer

The screenshot shows the XINFO PC Client - PL/I - Explorer interface. The main window displays a tree view of the source library structure. The tree is organized as follows:

- Workspace Tree
 - Natural
 - PL/I
 - General Information
 - Include
 - Call
 - Procedures/Functions
 - File Access
 - File Declarations
 - DB2 Access
 - CICS Access
 - DLI Access
 - MQSeries Calls
 - Variables
 - Variable Usage
 - Prepro Variables
 - Literals
 - Comments
 - Source Content
 - Explorer
 - Distributed
 - XINEO

The Explorer view shows the following structure:

- DSNB10.SDSNSAMP
 - DSN8BP3
 - DB2
 - FILE
 - INCLUDE
 - PROC
 - DSN8CP0
 - CALL
 - CICS
 - DB2
 - INCLUDE
 - PROC
 - DSN8CP1
 - DSN8CP2
 - DSN8CP3
 - DSN8CP6
 - DSN8CP7
 - DSN8CP8
 - DSN8EP1
 - DSN8EP2
 - DSN8EPU

Callouts point to the following components:

- Source library (points to the Explorer view)
- Main program (points to DSN8BP3)
- File access (points to FILE)
- COPY / Includes (points to INCLUDE)
- External programs (points to PROC)
- Which jobs use this program (points to PROC)
- DB2 access (points to DB2)
- Procedures (points to PROC)

PC Client - Source Explorer

The screenshot displays the XINFO PC Client - COBOL - Explorer interface. The workspace tree on the left shows a hierarchy starting with 'C' and 'COBOL'. The 'COBOL' folder is expanded to show various components like 'General Info', 'COPY', 'CALL', etc. The 'Explorer' view in the center shows a tree structure for 'DSNB10.SDSNSAMP', with the 'COPY' member highlighted. A callout bubble points to this 'COPY' member with the text: 'COPY member of Copy command in Source member "DSNB10.SDSNSAMP"'. The table on the right displays data for various members, including 'SQLCA', 'DSNB10.SDSNSAMP', 'DSNB10.SDSNSAMP', 'DSNB10.SDSNSAMP', 'DSNB10.SDSNSAMP', 'DSNB10.SDSNSAMP', and 'DSNB10.SDSNSAMP'.

| Client | Environment | COPY-Mem | Src-Mem | Main-Pgm | Nest | F | COPY-Lib | Main Lib |
|--------|-------------|-----------------|-----------------|-----------------|-------|---|-----------------|-----------------|
| <all> | <all> | <all> | <all> | <all> | <...> | | <all> | <all> |
| | | SQLCA | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | 1 | N | | DSNB10.SDSNSAMP |
| | | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | 1 | Y | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP |
| | | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | 1 | Y | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP |
| | | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | 1 | Y | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP |
| | | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | 1 | N | | DSNB10.SDSNSAMP |
| | | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | 1 | N | | DSNB10.SDSNSAMP |
| | | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | DSNB10.SDSNSAMP | 1 | N | | DSNB10.SDSNSAMP |

PC Client - Source Explorer

The screenshot displays the XINFO PC Client - COBOL - Explorer interface. The main window shows a workspace tree on the left, an Explorer pane in the middle, and a Graph pane on the right. The Explorer pane is expanded to show the 'CALL' sub-tree under 'DSN8CLPV'. The Graph pane displays a CALL diagram where a central node 'DSN8CLPV' is connected to ten other nodes: DSNTIAR, IMADEL, IMXFER, IMAGID, IMAPTE, IMAPT, ISPLINK, IMAPTS, and FSENAB. A callout box points to the 'DSN8CLPV' node in the Explorer pane with the text: 'CALL of "DSN8CLPV" creates the CALL diagram'. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with various icons for file operations and graph manipulation.

CALL of "DSN8CLPV" creates the CALL diagram

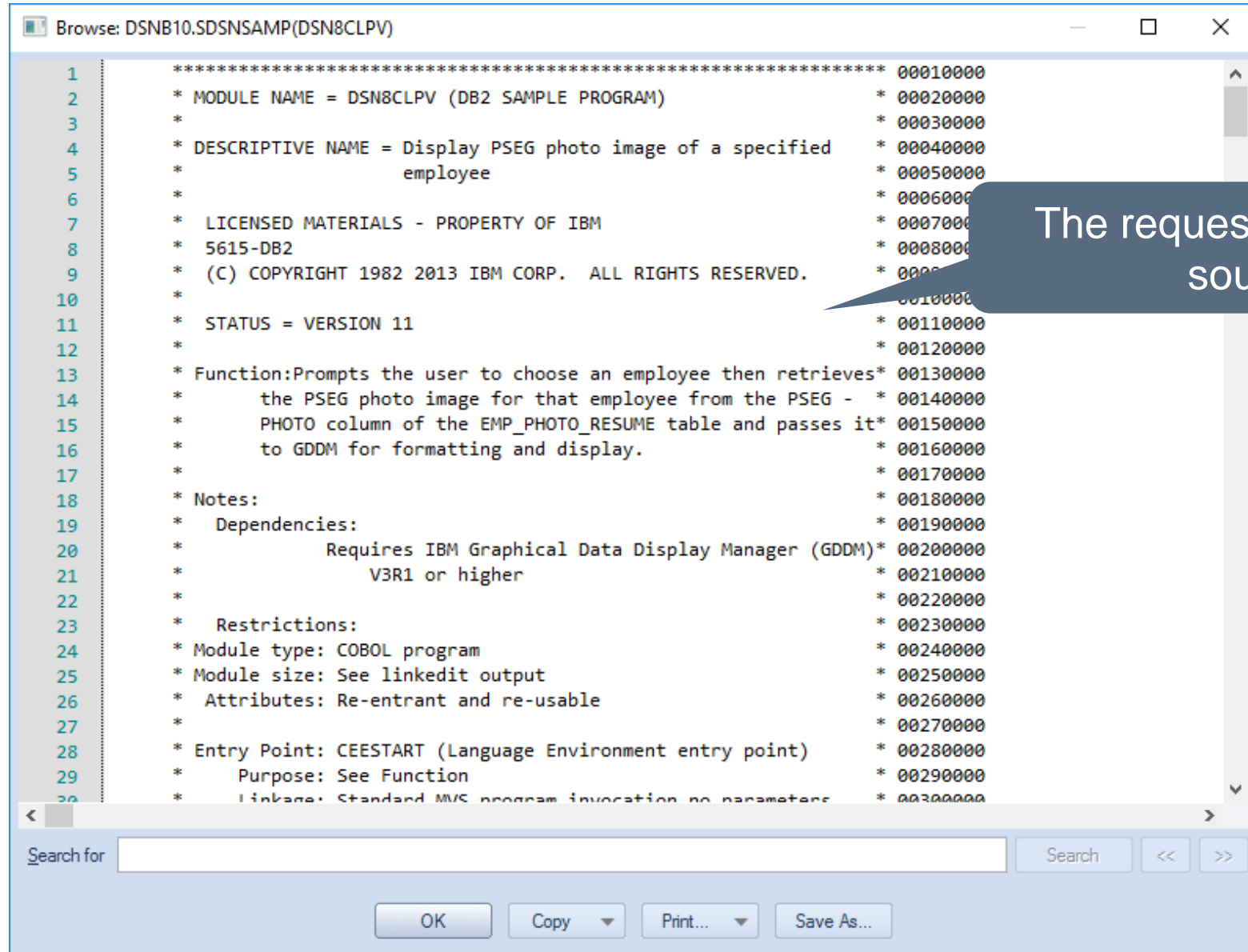
PC Client - Source Explorer

The screenshot displays the PC Client Source Explorer interface. On the left, the 'Workspace Tree' shows a hierarchy starting with 'C' and 'COBOL'. The 'COBOL' folder is expanded to show various categories like 'General Info', 'COPY', 'CALL', etc. The 'Explorer' pane in the center shows a list of source members: DSN8CC, DSN8CC0, DSN8CC1, DSN8CC2, DSN8CLPI, and DSN8CLPV. The 'DSN8CLPV' member is highlighted with a red box. A context menu is open over this member, with 'Browse' selected, showing a list of program types: CA7, CICS, COBOL, DB2, GRAPH, IMS, JCL, Programs, and SMF. A callout box points to the 'DSN8CLPV' member with the text: 'Right mouse click in the tree of the respective source - member displays the context menu.' Another callout box points to the 'Browse' menu item with the text: 'e.g. show program source'. The main pane on the right shows a tree of program components, including DSNTIAR, IMADEL, IMXFER, DSN8CLPV, IMAPTE, IMAPT, ISPLINK, IMAPTS, and FSENAB.

Right mouse click in the tree of the respective source - member displays the context menu.

e.g. show program source

PC Client - Source Explorer



```
1 ***** 00010000
2 * MODULE NAME = DSN8CLPV (DB2 SAMPLE PROGRAM) * 00020000
3 * * 00030000
4 * DESCRIPTIVE NAME = Display PSEG photo image of a specified * 00040000
5 * employee * 00050000
6 * * 00060000
7 * LICENSED MATERIALS - PROPERTY OF IBM * 00070000
8 * 5615-DB2 * 00080000
9 * (C) COPYRIGHT 1982 2013 IBM CORP. ALL RIGHTS RESERVED. * 00090000
10 * * 00100000
11 * STATUS = VERSION 11 * 00110000
12 * * 00120000
13 * Function:Prompts the user to choose an employee then retrieves* 00130000
14 * the PSEG photo image for that employee from the PSEG - * 00140000
15 * PHOTO column of the EMP_PHOTO_RESUME table and passes it* 00150000
16 * to GDDM for formatting and display. * 00160000
17 * * 00170000
18 * Notes: * 00180000
19 * Dependencies: * 00190000
20 * Requires IBM Graphical Data Display Manager (GDDM)* 00200000
21 * V3R1 or higher * 00210000
22 * * 00220000
23 * Restrictions: * 00230000
24 * Module type: COBOL program * 00240000
25 * Module size: See linkedit output * 00250000
26 * Attributes: Re-entrant and re-usable * 00260000
27 * * 00270000
28 * Entry Point: CEESTART (Language Environment entry point) * 00280000
29 * Purpose: See Function * 00290000
30 * Linkage: Standard MVS program invocation no parameters * 00300000
```

Search for Search << >>

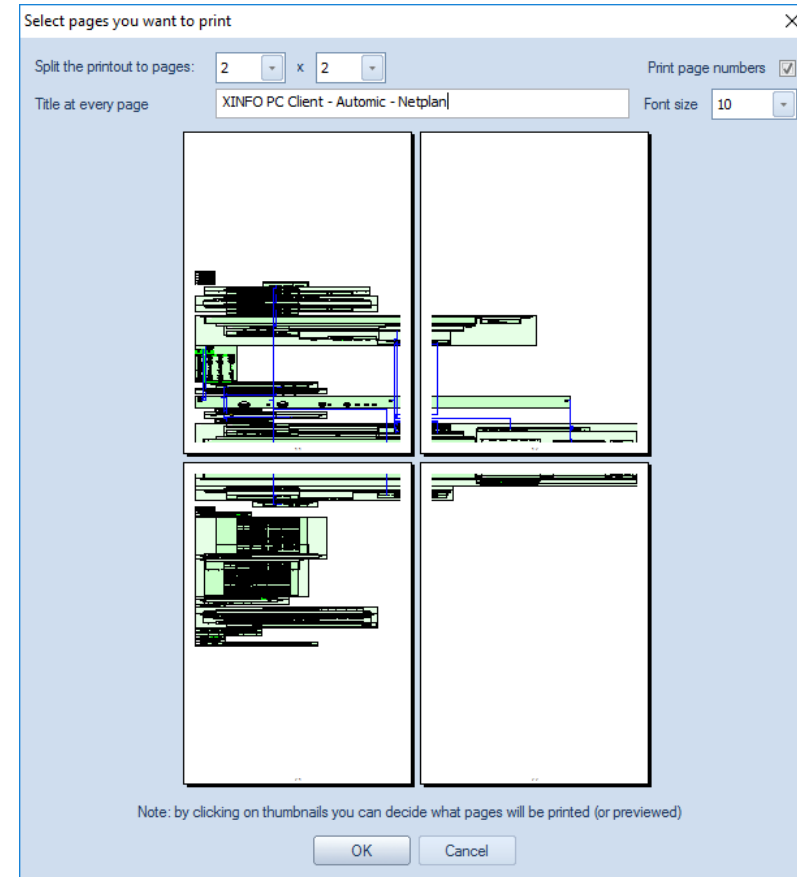
OK Copy Print... Save As...

The requested program source.

PC Client - Print Function

All graphics can be printed on printers or plotters with a uniform print function.

- Job netplans
- SMF barcharts
- Data flowcharts
- CALL diagrams



PC Client - Print Graphics

The screenshot shows the XINFO PC Client interface. The 'File' menu is open, and the 'Print' option is highlighted. A callout box points to the 'Print' option with the text: "With the print function you can print any graphic on any printer or plotter: Select 'File - Print'". The main window displays a network diagram with various components and connections.

XINFO PC Client - Automic - Netplan

View

Table Search Show SQL Show criteria Tools

File

New Open... Save Save As... Export... Print Printer Setup Close Close All Exit

Preview and print the document

Print Print the active document

Print Preview Display full pages

With the print function you can print any graphic on any printer or plotter: Select "File - Print"

DLV2PLAN101

DLV1PLAN10

START

DLV1QB10 9000 -WIN-

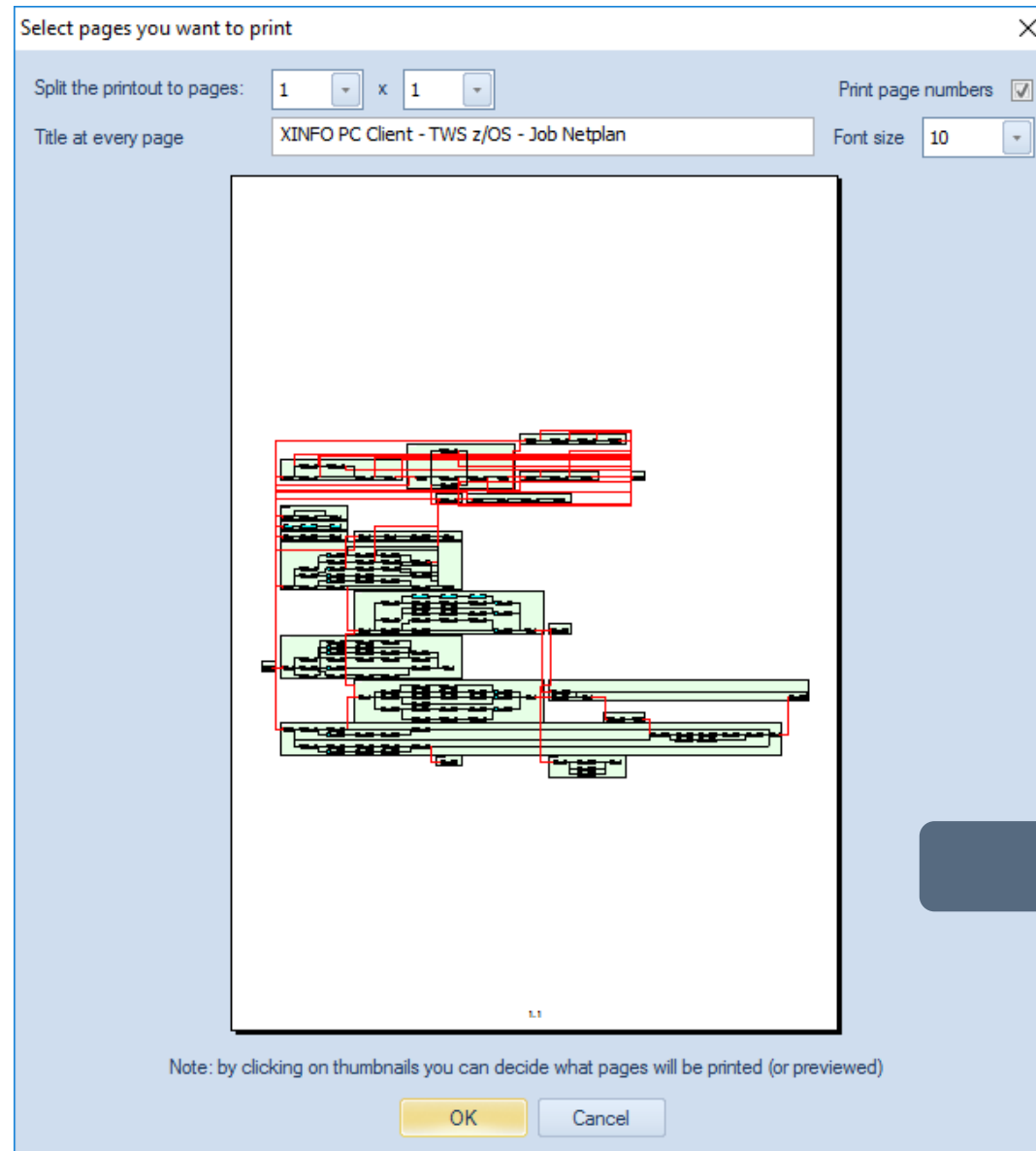
EXPL_B

EXPL_MASTER

START

EXPL_001

PC Client - Print Preview



The print preview

PC Client - Page Settings

The screenshot displays the XINFO PC Client interface. The main window title is "XINFO PC Client - TWS z/OS - Job Netplan". The "File" menu is open, showing options like "New", "Open...", "Save", "Save As...", "Export...", "Print", "Printer Setup", "Close", and "Close All". The "Printer Setup" option is highlighted. A context menu is visible over the "Printer Setup" option, with a callout box stating: "Click on 'Printer Setup' to set up the printer." The "Druckeinrichtung" dialog box is open, showing printer settings for "HP 4650 Farbe". The "Drucker" section includes a dropdown menu for "Name" (HP 4650 Farbe), a "Fax" checkbox, and a "Typ" dropdown (HP 4650 Farbe). The "Status" is "Microsoft Print to PDF" and the "Standort" is "Microsoft XPS Document Writer". The "Kommentar" is "Send To OneNote 2013". The "Papier" section shows "Größe" as "A4" and "Quelle" as "Automatisch auswählen". The "Ausrichtung" section has "Hochformat" selected. The dialog has "OK" and "Abbrechen" buttons. A callout box points to the "Eigenschaften..." button in the dialog, stating: "You can change all settings directly in a context menu." The background shows a network diagram with green and red lines.

Click on "Printer Setup" to set up the printer.

You can change all settings directly in a context menu.

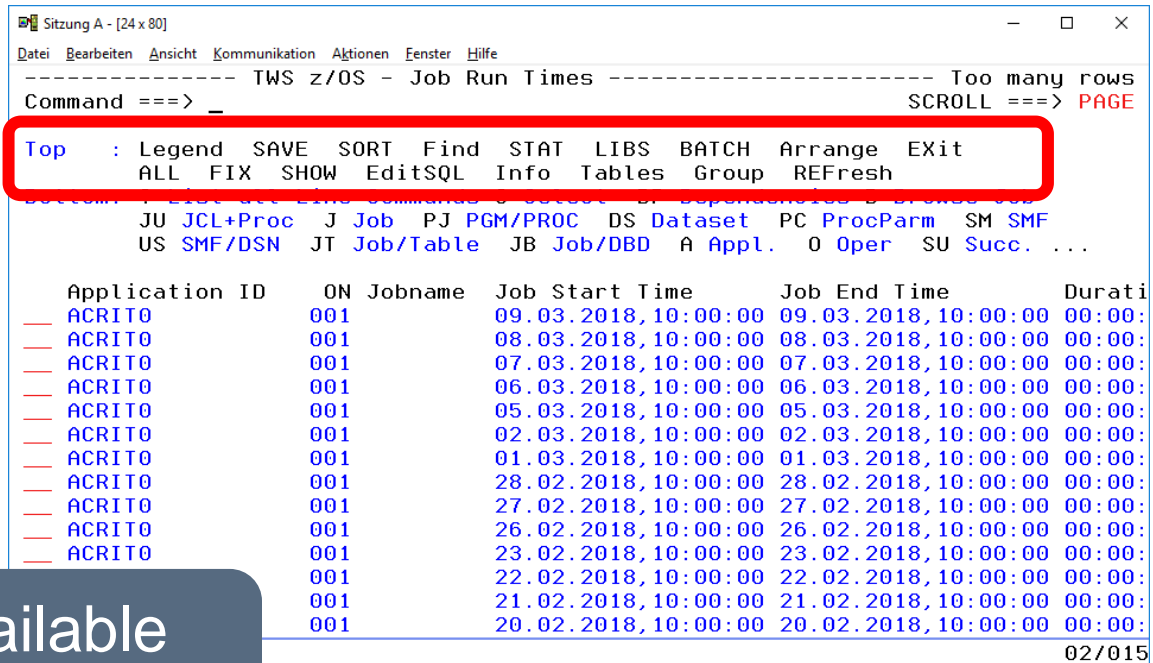
PC Client - More Client functions

- Sort
- Arrange
- Fix
- Statistics
- Group
- All

like ISPF Dialog

- Line commands for multiple lines
- Subtable
- Export/Import
- Save/Load Selection
- Cut and Paste

Only available with the PC Client



```
Sitzung A - [24 x 80]
Datei Bearbeiten Ansicht Kommunikation Aktionen Fenster Hilfe
----- TWS z/OS - Job Run Times ----- Too many rows
Command ==> _ SCROLL ==> PAGE
Top : Legend SAVE SORT Find STAT LIBS BATCH Arrange Exit
      ALL FIX SHOW EditSQL Info Tables Group REFRESH
-----
JU JCL+Proc J Job PJ PGM/PROC DS Dataset PC ProcParm SM SMF
US SMF/DSN JT Job/Table JB Job/DBD A Appl. 0 Oper SU Succ. ...

Application ID  ON Jobname  Job Start Time  Job End Time  Durati
--- ACRITO      001          09.03.2018,10:00:00 09.03.2018,10:00:00 00:00:
--- ACRITO      001          08.03.2018,10:00:00 08.03.2018,10:00:00 00:00:
--- ACRITO      001          07.03.2018,10:00:00 07.03.2018,10:00:00 00:00:
--- ACRITO      001          06.03.2018,10:00:00 06.03.2018,10:00:00 00:00:
--- ACRITO      001          05.03.2018,10:00:00 05.03.2018,10:00:00 00:00:
--- ACRITO      001          02.03.2018,10:00:00 02.03.2018,10:00:00 00:00:
--- ACRITO      001          01.03.2018,10:00:00 01.03.2018,10:00:00 00:00:
--- ACRITO      001          28.02.2018,10:00:00 28.02.2018,10:00:00 00:00:
--- ACRITO      001          27.02.2018,10:00:00 27.02.2018,10:00:00 00:00:
--- ACRITO      001          26.02.2018,10:00:00 26.02.2018,10:00:00 00:00:
--- ACRITO      001          23.02.2018,10:00:00 23.02.2018,10:00:00 00:00:
--- ACRITO      001          22.02.2018,10:00:00 22.02.2018,10:00:00 00:00:
--- ACRITO      001          21.02.2018,10:00:00 21.02.2018,10:00:00 00:00:
--- ACRITO      001          20.02.2018,10:00:00 20.02.2018,10:00:00 00:00:
02/015
```

PC Client - SORT (1)

Space - Dataset Info

File Logon Workspac

Datasetname = P390*

GDG-Generation =

DSORG =

RECFM =

Num of Extends =

VOLSER =

BLKSIZE =

LRECL =

Alloc (KB) =

Used (KB) =

Second (KB) =

Unusable (KB) =

Creation Date = DD.MM.

Expiration Date = DD.MM.

Last used Date = DD.MM.

GDG-Limit =

GDG-Scratch =

GDG-Empty =

GDG-System# =

Serial Num =

Volume Sequence Num =

Last Backup Date = DD.MM.YYYY

Last Backup Time = HH:MM:SS

DATACLAS =

STORCLAS =

MGMTCLAS =

Storage Group =

Timestamp = DD.MM.YYYY,HH:MM

Changed since Bkp =

Calculated EXPDT = DD.MM.YYYY

System-ID =

SMS Data Class

SMS Storage Class

SMS Storage Group

Works... Works... Favour... Shortc...

Connected as: P392E, file: XX37T#25

OK Actions Cancel

Type in "P390*" in Datasetname

PC Client - SORT (2)

As an example a SPACE table

Is it possible to sort by multiple columns, for example VOLSER and ALLOC?

| Datasetname | GDGGen | DSO | RECF | XT | VOLSER | BLKSZ | LRECL | Alloc | Used | Second | Unusable | CR-Date |
|-----------------------------------|--------|-----|------|----|--------|-------|-------|-------|------|--------|----------|------------|
| P390A.JUP.DATA.PROCLIB2 | | PO | FB | 1 | H1SYS1 | 27920 | 80 | 553 | 55 | 553 | 0 | 24.11.2014 |
| P390A.JUP.DATA.PROCLIB3 | | PO | FB | 1 | H1SYS1 | 27920 | 80 | 553 | 55 | 553 | 0 | 24.11.2014 |
| P390A.ROSE.CNTL | | PO | FB | 1 | DEV000 | 27920 | 80 | 387 | 277 | 498 | 0 | 08.04.1999 |
| P390A.ROSE.CLIST | | PO | FB | 1 | DEV000 | 27920 | 80 | 6308 | 2988 | 1439 | 0 | 24.06.1996 |
| P390A.PM.CNTL | | PO | FB | 1 | DEV000 | 27920 | 80 | 221 | 221 | 55 | 0 | 14.07.2011 |
| P390A.OPUSR.V210.MLIB | | PO | FB | 1 | DEV000 | 27920 | 80 | 111 | 55 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.SLIB | | PO | FB | 1 | DEV000 | 27920 | 80 | 166 | 166 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.PLIB | | PO | FB | 1 | DEV000 | 27920 | 80 | 166 | 166 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.LPALIB | | PO | FB | 1 | DEV000 | 27920 | 80 | 111 | 111 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.DBRM | | PO | FB | 1 | DEV000 | 27920 | 80 | 111 | 111 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.CLIST | | PO | FB | 1 | DEV000 | 27920 | 80 | 111 | 111 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.LINKLIB | | PO | FB | 1 | DEV000 | 27920 | 80 | 166 | 166 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.INSTLIB | | PO | FB | 1 | DEV000 | 27920 | 80 | 2490 | 2490 | 166 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.SAMPLIB | | PO | FB | 1 | DEV000 | 27920 | 80 | 2490 | 2490 | 166 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.BINDPARM | | PO | FB | 1 | DEV000 | 27920 | 80 | 166 | 166 | 2490 | 0 | 21.07.2011 |
| P390A.OPUSR.PROCLIB | | PO | FB | 1 | DEV000 | 27920 | 80 | 1039 | 55 | 18925 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.XINFO.V3R5.ADM | | PO | FB | 1 | DEV000 | 27920 | 80 | 111 | 55 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.XINFO.V3R5.CLIST | | PO | FB | 1 | DEV000 | 27920 | 80 | 553 | 553 | 166 | 0 | 21.07.2011 |

PC Client - SORT (3)

1. Select Customize

| Datasetname | GDGGen | DSO | RECF | XT | VOLSER | BLKSZ | LRECL | Alloc | Used | Second | Unusable | CR-Date |
|-------------------------------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|--------|----------|------------|
| <all> | <all> | <...> | <...> | <all> | <all> | <all> | <all> | <...> | <...> | <all> | <all> | <all> |
| P390A.JUP.DATA.PROCLIB2 | | PO | FB | 1 | H1SYS1 | 27920 | 80 | 553 | 55 | 553 | 0 | 24.11.2014 |
| P390A.JUP.DATA.PROCLIB3 | | PO | FB | 1 | H1SYS1 | 27920 | 80 | 553 | 55 | 553 | 0 | 24.11.2014 |
| P390A.ROSE.CNTL | | PO | FB | 1 | DEV00 | 27920 | 80 | 387 | 277 | 498 | 0 | 08.04.1999 |
| P390A.ROSE.CLIST | | PO | FB | 1 | DEV00 | 27920 | 80 | 6308 | 2988 | 1439 | 0 | 24.06.1996 |
| P390A.PM.CNTL | | PO | FB | 1 | DEV00 | 27920 | 80 | 221 | 221 | 55 | 0 | 14.07.2011 |
| P390A.OPUSR.V210.MLIB | | PO | FB | 1 | DEV00 | 27920 | 80 | 111 | 55 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.SLIB | | PO | FB | 2 | DEV00 | 27920 | 80 | 166 | 166 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.PLIB | | PO | FB | 2 | DEV00 | 27920 | 80 | 166 | 166 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.LPALIB | | PO | U | 2 | DEV00 | 32760 | 23476 | 111 | 111 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.DBRM | | PO | FB | 3 | DEV00 | 27920 | 80 | 609 | 609 | 111 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.CLIST | | PO | FB | 1 | DEV00 | 27920 | 80 | 111 | 111 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.LINKLIB | | PO | U | 3 | DEV00 | 32760 | 23476 | 609 | 498 | 166 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.INSTLIB | | LIB | FB | 1 | DEV00 | 32720 | 80 | 3320 | 719 | 2490 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.SAMPLIB | | LIB | FB | 1 | DEV00 | 32720 | 80 | 3320 | 332 | 2490 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.BINDPARM | | LIB | FB | 1 | DEV00 | 32720 | 80 | 3320 | 166 | 2490 | 0 | 21.07.2011 |
| P390A.OPUSR.PROCLIB | | PO | FB | 1 | DEV00 | 27920 | 80 | 60039 | 55 | 18925 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.XINFO.V3R5.ADMINFO | | PO | FB | 1 | DEV00 | 27920 | 80 | 111 | 55 | 55 | 0 | 21.07.2011 |
| P390A.OPUSR.V210.XINFO.V3R5.CLIST | | PO | FB | 1 | DEV00 | 27920 | 80 | 553 | 553 | 166 | 0 | 21.07.2011 |

PC Client - Sort (4)

The screenshot shows the 'Table Layout' dialog box in the PC Client software. The dialog has a 'Table' tab selected in the top menu. On the left, a 'Workspace Tree' shows a folder structure with 'Space' expanded to show various dataset information options. The main area of the dialog is a table with columns: 'Visible', 'Sort', 'Column Header', and 'Column Legend'. The 'Alloc' row is highlighted in yellow. At the bottom of the dialog, there are buttons for 'Select All', 'Toggle', 'Move Up', and 'Move Down'. A callout bubble points to the 'Move Up' button with the text '2. Modify the sequence'. In the background, a data table is visible with columns 'Second', 'Unusable', 'CR-Date', and 'E)'. The status bar at the bottom of the dialog shows 'Frozen columns: 1' and 'Lines: 234'.

| Visible | Sort | Column Header | Column Legend |
|-------------------------------------|------|---------------|---------------------|
| <input checked="" type="checkbox"/> | | VOLSER | VOLSER |
| <input checked="" type="checkbox"/> | | Alloc | Alloc (KB) |
| <input checked="" type="checkbox"/> | | Datasetname | Datasetname |
| <input checked="" type="checkbox"/> | | GDGGen | GDG-Generation |
| <input checked="" type="checkbox"/> | | DSO | DSORG |
| <input checked="" type="checkbox"/> | | RECF | RECFM |
| <input checked="" type="checkbox"/> | | XT | Num of Extends |
| <input checked="" type="checkbox"/> | | BLKSZ | BLKSIZE |
| <input checked="" type="checkbox"/> | | LRECL | LRECL |
| <input checked="" type="checkbox"/> | | Used | Used (KB) |
| <input checked="" type="checkbox"/> | | Second | Second (KB) |
| <input checked="" type="checkbox"/> | | Unusable | Unusable (KB) |
| <input checked="" type="checkbox"/> | | CR-Date | Creation Date |
| <input checked="" type="checkbox"/> | | EXPDT | Expiration Date |
| <input checked="" type="checkbox"/> | | Last-Used | Last used Date |
| <input checked="" type="checkbox"/> | | Limit | GDG-Limit |
| <input checked="" type="checkbox"/> | | Scr | GDG-Scratch |
| <input checked="" type="checkbox"/> | | Empty | GDG-Empty |
| <input checked="" type="checkbox"/> | | GDG-Mem# | GDG-Mem# |
| <input checked="" type="checkbox"/> | | DS-Ser | Dataset Serial Num |
| <input checked="" type="checkbox"/> | | VS | Volume Sequence Num |
| <input checked="" type="checkbox"/> | | Bkp-Date | Last Backup Date |
| <input checked="" type="checkbox"/> | | Bkp-Time | Last Backup Time |
| <input checked="" type="checkbox"/> | | DATACLAS | DATACLAS |
| <input checked="" type="checkbox"/> | | STORCLAS | STORCLAS |
| <input checked="" type="checkbox"/> | | MGMTCLAS | MGMTCLAS |
| <input checked="" type="checkbox"/> | | Stogroup | Storage Group |
| <input checked="" type="checkbox"/> | | Timestamp | Timestamp |
| <input checked="" type="checkbox"/> | | Chq | Changed since Bkp |

2. Modify the sequence

| | Second | Unusable | CR-Date | E) |
|----|--------|----------|------------|----|
| | <all> | <all> | <all> | |
| 55 | 553 | 0 | 24.11.2014 | |
| 55 | 553 | 0 | 24.11.2014 | |
| 77 | 498 | 0 | 08.04.1999 | |
| 88 | 1439 | 0 | 24.06.1996 | |
| 21 | 55 | 0 | 14.07.2011 | |
| 55 | 55 | 0 | 21.07.2011 | |
| 66 | 55 | 0 | 21.07.2011 | |
| | | 0 | 21.07.2011 | |
| | | 0 | 21.07.2011 | |
| | | 0 | 21.07.2011 | |
| | | 0 | 21.07.2011 | |
| | | 0 | 21.07.2011 | |
| | | 0 | 21.07.2011 | |
| 32 | 2490 | 0 | 21.07.2011 | |
| 66 | 2490 | 0 | 21.07.2011 | |
| 55 | 18925 | 0 | 21.07.2011 | |
| 55 | 55 | 0 | 21.07.2011 | |
| 53 | 166 | 0 | 21.07.2011 | |

PC Client - SORT (5)

3. Ascending or Descending

| Visible | Sort | Column Header | Column Legend |
|-------------------------------------|------------|---------------|---------------------|
| <input checked="" type="checkbox"/> | | VOLSER | VOLSER |
| <input checked="" type="checkbox"/> | Descending | Alloc | Alloc (KB) |
| <input checked="" type="checkbox"/> | | Dataset | |
| <input checked="" type="checkbox"/> | | GDGGen | |
| <input checked="" type="checkbox"/> | | DSO | |
| <input checked="" type="checkbox"/> | | RECF | |
| <input checked="" type="checkbox"/> | | XT | |
| <input checked="" type="checkbox"/> | | BLKSZ | |
| <input checked="" type="checkbox"/> | | LRECL | |
| <input checked="" type="checkbox"/> | | Used | |
| <input checked="" type="checkbox"/> | | Second | Second (KB) |
| <input checked="" type="checkbox"/> | | Unusable | Unusable (KB) |
| <input checked="" type="checkbox"/> | | CR-Date | Creation Date |
| <input checked="" type="checkbox"/> | | EXPDT | Expiration Date |
| <input checked="" type="checkbox"/> | | Last-Used | Last used Date |
| <input checked="" type="checkbox"/> | | Limit | GDG-Limit |
| <input checked="" type="checkbox"/> | | Scr | GDG-Scratch |
| <input checked="" type="checkbox"/> | | Empty | GDG-Empty |
| <input checked="" type="checkbox"/> | | GDG-Mem# | GDG-Mem# |
| <input checked="" type="checkbox"/> | | DS-Ser | Dataset Serial Num |
| <input checked="" type="checkbox"/> | | VS | Volume Sequence Num |
| <input checked="" type="checkbox"/> | | Bkp-Date | Last Backup Date |
| <input checked="" type="checkbox"/> | | Bkp-Time | Last Backup Time |
| <input checked="" type="checkbox"/> | | DATACLAS | DATACLAS |
| <input checked="" type="checkbox"/> | | STORCLAS | STORCLAS |
| <input checked="" type="checkbox"/> | | MGMTCLAS | MGMTCLAS |
| <input checked="" type="checkbox"/> | | Stogroup | Storage Group |
| <input checked="" type="checkbox"/> | | Timestamp | Timestamp |
| <input checked="" type="checkbox"/> | | Chq | Changed since Bkp |

| | Second | Unusable | CR-Date |
|-------|--------|----------|------------|
| <all> | <all> | <all> | <all> |
| 55 | 553 | 0 | 24.11.2014 |
| 55 | 553 | 0 | 24.11.2014 |
| 77 | 498 | 0 | 08.04.1999 |
| 88 | 1439 | 0 | 24.06.1996 |
| 21 | 55 | 0 | 14.07.2011 |
| 55 | 55 | 0 | 21.07.2011 |
| 66 | 55 | 0 | 21.07.2011 |
| 66 | 55 | 0 | 21.07.2011 |
| 11 | 55 | 0 | 21.07.2011 |
| 09 | 111 | 0 | 21.07.2011 |
| 11 | 55 | 0 | 21.07.2011 |
| 98 | 166 | 0 | 21.07.2011 |
| 19 | 2490 | 0 | 21.07.2011 |
| 32 | 2490 | 0 | 21.07.2011 |
| 66 | 2490 | 0 | 21.07.2011 |
| 55 | 18925 | 0 | 21.07.2011 |
| 55 | 55 | 0 | 21.07.2011 |
| 53 | 166 | 0 | 21.07.2011 |

PC Client - SORT (6)

The screenshot shows the XINFO PC Client interface. The main window title is "XINFO PC Client - Space - Dataset Info". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various options like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, Show SQL, Inverse Filter, New, and Library. The Workspace Tree on the left shows a hierarchy of folders including CICS, IMS, SMF, and Space. Under Space, "Dataset Info (VTOC)" is selected. The main area displays a table with the following columns: VOLSER, Alloc, and Datasetname. The table contains 23 rows of dataset information. A callout bubble points to the table with the text "The sorted table". Another callout bubble contains the text "But: The order of the columns is different, and some of the columns are missing. Why?".

| VOLSER | Alloc | Datasetname |
|--------|-------|---------------------------------------|
| <all> | <all> | <all> |
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB2 |
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB3 |
| DEV000 | 387 | P390A.ROSE.CNTL |
| DEV000 | 6308 | P390A.ROSE.CLIST |
| DEV000 | 221 | P390A.PM.CNTL |
| DEV000 | 111 | P390A.OPUSR.V210.MLIB |
| DEV000 | 166 | P390A.OPUSR.V210.SLIB |
| DEV000 | 166 | P390A.OPUSR.V210.PLIB |
| DEV000 | 111 | P390A.OPUSR.V210.LPALIB |
| DEV000 | 609 | P390A.OPUSR.V210.DBRM |
| DEV000 | 111 | P390A.OPUSR.V210.CLIST |
| DEV000 | 609 | P390A.OPUSR.V210.LINKLIB |
| DEV000 | 3320 | P390A.OPUSR.V210.INSTLIB |
| DEV000 | 3320 | P390A.OPUSR.V210.SAMPLIB |
| DEV000 | 3320 | P390A.OPUSR.V210.BINDPARM |
| DEV000 | 60039 | P390A.OPUSR.PROCLIB |
| DEV000 | 111 | P390A.OPUSR.V210.XINFO.V3R5.ADMININFO |
| DEV000 | 553 | P390A.OPUSR.V210.XINFO.V3R5.CLIST |
| DEV000 | 166 | P390A.OPUSR.V210.XINFO.V3R5.DBRMLIB |

The sorted table

But: The order of the columns is different, and some of the columns are missing. Why?

PC Client - ARRANGE (1)

The layout was modified by using the Customize function:

| VOLSER | Alloc | Datasetname |
|--------|-------|---------------------------------------|
| <all> | <all> | <all> |
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB2 |
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB3 |
| DEV00 | 387 | P390A.ROSE.CNTL |
| DEV00 | 6308 | P390A.ROSE.CLIST |
| DEV00 | 221 | P390A.PM.CNTL |
| DEV00 | 111 | P390A.OPUSR.V210.MLIB |
| DEV00 | 166 | P390A.OPUSR.V210.SLIB |
| DEV00 | 166 | P390A.OPUSR.V210.PLIB |
| DEV00 | 111 | P390A.OPUSR.V210.LPALIB |
| DEV00 | 609 | P390A.OPUSR.V210.DBRM |
| DEV00 | 111 | P390A.OPUSR.V210.CLIST |
| DEV00 | 609 | P390A.OPUSR.V210.LINKLIB |
| DEV00 | 3320 | P390A.OPUSR.V210.INSTLIB |
| DEV00 | 3320 | P390A.OPUSR.V210.SAMPLIB |
| DEV00 | 3320 | P390A.OPUSR.V210.BINDPARM |
| DEV00 | 60039 | P390A.OPUSR.PROCLIB |
| DEV00 | 111 | P390A.OPUSR.V210.XINFO.V3R5.ADMININFO |
| DEV00 | 553 | P390A.OPUSR.V210.XINFO.V3R5.CLIST |
| DEV00 | 166 | P390A.OPUSR.V210.XINFO.V3R5.DBRMLIB |

Connected as: P392E, file: XX37T#25

Lines: 234

PC Client - ARRANGE (2)

The user can modify the layout locally, just click on a checkmark to deselect a column

| Visible | Sort | Column Header | Column Legend |
|-------------------------------------|------|---------------------|---------------------|
| <input checked="" type="checkbox"/> | | VOLSER | VOLSER |
| <input checked="" type="checkbox"/> | | Alloc | Alloc (KB) |
| <input checked="" type="checkbox"/> | | Datasetname | Datasetname |
| <input type="checkbox"/> | | GDGGen | GDG-Generation |
| <input type="checkbox"/> | | DSO | DSORG |
| <input type="checkbox"/> | | RECF | RECFM |
| <input type="checkbox"/> | | XT | Num of Extends |
| <input type="checkbox"/> | | BLKSZ | BLKSIZE |
| <input type="checkbox"/> | | LRECL | LRECL |
| <input type="checkbox"/> | | Used | Used (KB) |
| <input type="checkbox"/> | | Second | Second (KB) |
| <input type="checkbox"/> | | Unusable | Unusable (KB) |
| <input type="checkbox"/> | | Creation Date | Creation Date |
| <input type="checkbox"/> | | Expiration Date | Expiration Date |
| <input type="checkbox"/> | | Last used Date | Last used Date |
| <input type="checkbox"/> | | GDG-Limit | GDG-Limit |
| <input type="checkbox"/> | | GDG-Scratch | GDG-Scratch |
| <input type="checkbox"/> | | GDG-Empty | GDG-Empty |
| <input type="checkbox"/> | | GDG-Mem# | GDG-Mem# |
| <input type="checkbox"/> | | Dataset Serial Num | Dataset Serial Num |
| <input type="checkbox"/> | | Volume Sequence Num | Volume Sequence Num |
| <input type="checkbox"/> | | Last Backup Date | Last Backup Date |
| <input type="checkbox"/> | | Last Backup Time | Last Backup Time |
| <input type="checkbox"/> | | DATACLAS | DATACLAS |
| <input type="checkbox"/> | | STORCLAS | STORCLAS |
| <input type="checkbox"/> | | MGMTCLAS | MGMTCLAS |
| <input type="checkbox"/> | | Stogroup | Storage Group |
| <input type="checkbox"/> | | Timestamp | Timestamp |
| <input type="checkbox"/> | | Chq | Changed since Bkp |

PC Client - FIX (1)

XINFO PC Client - Space - Dataset Info

File Home Table Netplan Barchart Chart Script

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Subtable Graph Table Functions

Space - Dataset Info

Workspace Tree

| VOLSER | Alloc | Datasetname | GDGGen | ... | XT | BLKSZ | LRECL | Used | Second | Unusable | CR-Date | EXPDT | Last-Used | Limit | Scr | Empty | GDG-Me |
|--------|-------|-------------------------------------|--------|-------|-------|-------|-------|-------|--------|----------|-------------|-------|------------|-------|-------|-------|--------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB2 | PO | FB | 1 | 27920 | 80 | 55 | 553 | 0 | 24.11.20... | | 22.08.2016 | | | | |
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB3 | PO | FB | 1 | 27920 | 80 | 55 | 553 | 0 | 24.11.20... | | 22.08.2016 | | | | |
| DEVD00 | 387 | P390A.ROSE.CNTL | PO | FB | 1 | 27920 | 80 | 277 | 498 | 0 | 08.04.19... | | 22.08.2016 | | | | |
| DEVD00 | 6308 | P390A.ROSE.CLIST | PO | FB | 1 | 27920 | 80 | 2988 | 1439 | 0 | 24.06.19... | | 20.09.2016 | | | | |
| DEVD00 | 221 | P390A.PM.CNTL | PO | FB | 1 | 27920 | 80 | 221 | 55 | 0 | 14.07.20... | | 21.09.2016 | | | | |
| DEVD00 | 111 | P390A.OPUSR.V210.MLIB | PO | FB | 1 | 27920 | 80 | 55 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 166 | P390A.OPUSR.V210.SLIB | PO | FB | 2 | 27920 | 80 | 166 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 166 | P390A.OPUSR.V210.PLIB | PO | FB | 2 | 27920 | 80 | 166 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 111 | P390A.OPUSR.V210.LPALIB | PO | U | 2 | 32760 | 23476 | 111 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 609 | P390A.OPUSR.V210.DBRM | PO | FB | 3 | 27920 | 80 | 609 | 111 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 111 | P390A.OPUSR.V210.CLIST | PO | FB | 1 | 27920 | 80 | 111 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 609 | P390A.OPUSR.V210.LINKLIB | PO | U | 3 | 32760 | 23476 | 498 | 166 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 3320 | P390A.OPUSR.V210.INSTLIB | LIB | FB | 1 | 32720 | 80 | 719 | 2490 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 3320 | P390A.OPUSR.V210.SAMPLIB | LIB | FB | 1 | 32720 | 80 | 332 | 2490 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 3320 | P390A.OPUSR.V210.BINDPARM | LIB | FB | 1 | 32720 | 80 | 166 | 2490 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 60039 | P390A.OPUSR.PROCLIB | PO | FB | 1 | 27920 | 80 | 55 | 18925 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 111 | P390A.OPUSR.V210.XINFO.V3R5.ADMINFO | PO | FB | 1 | 27920 | 80 | 55 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 553 | P390A.OPUSR.V210.XINFO.V3R5.CLIST | PO | FB | 1 | 27920 | 80 | 553 | 166 | 0 | 21.07.20... | | 22.08.2016 | | | | |

Connected as: P392E, file: XX37T#25

Lines: 234

You are scrolling horizontally, and you like to fix ...

PC Client - FIX (2)

The screenshot shows the XINFO PC Client interface. The main window is titled "XINFO PC Client - Space - Dataset Info". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tools like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, Show SQL, Inverse Filter, New, and Library. The main area displays a table of dataset information. A red box highlights the "VOLSER" column, which contains multiple entries for the same dataset name. A callout bubble points to this column with the text "... more than one column ...".

| VOLSER | Alloc | Datasetname | GDGGen | Unusable | CR-Date | EXPDT | Last-Used | Limit | Scr | Empty | GDG-Me |
|--------|-------|-------------------------------------|----------|----------|-------------|-------|------------|-------|-------------|-------|------------|
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB2 | | 0 | 24.11.20... | | 22.08.2016 | | | | |
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB3 | | 0 | 24.11.20... | | 22.08.2016 | | | | |
| DEVD00 | 387 | P390A.ROSE.CNTL | PO FB 1 | 27920 | 80 | 277 | 498 | 0 | 08.04.19... | | 22.08.2016 |
| DEVD00 | 6308 | P390A.ROSE.CNTL | PO FB 1 | 27920 | 80 | 2988 | 1439 | 0 | 24.06.19... | | 20.09.2016 |
| DEVD00 | 221 | P390A.M.CNTL | PO FB 1 | 27920 | 80 | 221 | 55 | 0 | 14.07.20... | | 21.09.2016 |
| DEVD00 | 111 | P390A.OPUSR.V210.MLIB | PO FB 1 | 27920 | 80 | 55 | 55 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 166 | P390A.OPUSR.V210.SLIB | PO FB 2 | 27920 | 80 | 166 | 55 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 166 | P390A.OPUSR.V210.PLIB | PO FB 2 | 27920 | 80 | 166 | 55 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 111 | P390A.OPUSR.V210.LPALIB | PO U 2 | 32760 | 23476 | 111 | 55 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 609 | P390A.OPUSR.V210.DBRM | PO FB 3 | 27920 | 80 | 609 | 111 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 111 | P390A.OPUSR.V210.CLIST | PO FB 1 | 27920 | 80 | 111 | 55 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 609 | P390A.OPUSR.V210.LINKLIB | PO U 3 | 32760 | 23476 | 498 | 166 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 3320 | P390A.OPUSR.V210.INSTLIB | LIB FB 1 | 32720 | 80 | 719 | 2490 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 3320 | P390A.OPUSR.V210.SAMPLIB | LIB FB 1 | 32720 | 80 | 332 | 2490 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 3320 | P390A.OPUSR.V210.BINDPARM | LIB FB 1 | 32720 | 80 | 166 | 2490 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 60039 | P390A.OPUSR.PROCLIB | PO FB 1 | 27920 | 80 | 55 | 18925 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 111 | P390A.OPUSR.V210.XINFO.V3R5.ADMINFO | PO FB 1 | 27920 | 80 | 55 | 55 | 0 | 21.07.20... | | 22.08.2016 |
| DEVD00 | 553 | P390A.OPUSR.V210.XINFO.V3R5.CLIST | PO FB 1 | 27920 | 80 | 553 | 166 | 0 | 21.07.20... | | 22.08.2016 |

PC Client - FIX (3)

... select Customize ...

| VOLSER | Alloc | Datasetname | GDGGen | DSO | RECF | XT | BLKSZ | LRECL | Used | Second | Unusable | CR-Date | EXPDT | Last-Used | Limit | Scr | Empty | GDG-Me |
|--------|-------|-------------------------------------|--------|-----|------|----|-------|-------|------|--------|----------|-------------|-------|------------|-------|-----|-------|--------|
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB2 | | PO | FB | 1 | 27920 | 80 | 55 | 553 | 0 | 24.11.20... | | 22.08.2016 | | | | |
| H1SYS1 | 553 | P390A.JUP.DATA.PROCLIB3 | | PO | FB | 1 | 27920 | 80 | 55 | 553 | 0 | 24.11.20... | | 22.08.2016 | | | | |
| DEVD00 | 387 | P390A.ROSE.CNTL | | PO | FB | 1 | 27920 | 80 | 277 | 498 | 0 | 08.04.19... | | 22.08.2016 | | | | |
| DEVD00 | 6308 | P390A.ROSE.CLIST | | PO | FB | 1 | 27920 | 80 | 2988 | 1439 | 0 | 24.06.19... | | 20.09.2016 | | | | |
| DEVD00 | 221 | P390A.PM.CNTL | | PO | FB | 1 | 27920 | 80 | 221 | 55 | 0 | 14.07.20... | | 21.09.2016 | | | | |
| DEVD00 | 111 | P390A.OPUSR.V210.MLIB | | PO | FB | 1 | 27920 | 80 | 55 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 166 | P390A.OPUSR.V210.SLIB | | PO | FB | 2 | 27920 | 80 | 166 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 166 | P390A.OPUSR.V210.PLIB | | PO | FB | 2 | 27920 | 80 | 166 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 111 | P390A.OPUSR.V210.LPALIB | | PO | U | 2 | 32760 | 23476 | 111 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 609 | P390A.OPUSR.V210.DBRM | | PO | FB | 3 | 27920 | 80 | 609 | 111 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 111 | P390A.OPUSR.V210.CLIST | | PO | FB | 1 | 27920 | 80 | 111 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 609 | P390A.OPUSR.V210.LINKLIB | | PO | U | 3 | 32760 | 23476 | 498 | 166 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 3320 | P390A.OPUSR.V210.INSTLIB | | LIB | FB | 1 | 32720 | 80 | 719 | 2490 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 3320 | P390A.OPUSR.V210.SAMPLIB | | LIB | FB | 1 | 32720 | 80 | 332 | 2490 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 3320 | P390A.OPUSR.V210.BINDPARM | | LIB | FB | 1 | 32720 | 80 | 166 | 2490 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 60039 | P390A.OPUSR.PROCLIB | | PO | FB | 1 | 27920 | 80 | 55 | 18925 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 111 | P390A.OPUSR.V210.XINFO.V3R5.ADMINFO | | PO | FB | 1 | 27920 | 80 | 55 | 55 | 0 | 21.07.20... | | 22.08.2016 | | | | |
| DEVD00 | 553 | P390A.OPUSR.V210.XINFO.V3R5.CLIST | | PO | FB | 1 | 27920 | 80 | 553 | 166 | 0 | 21.07.20... | | 22.08.2016 | | | | |

Connected as: P392E, file: XX37T#25 Lines: 234

PC Client - FIX (4)

The screenshot displays the 'Table Layout' dialog box in the PC Client software. The dialog is used to configure the display of data in a table. It features a table with the following columns: 'Visible', 'Sort', 'Column Header', and 'Column Legend'. The 'Visible' column contains checkboxes, all of which are checked. The 'Column Header' column lists various dataset attributes, and the 'Column Legend' column provides the corresponding column names for the table. At the bottom of the dialog, there is a 'Frozen columns' field set to '2', and buttons for 'OK', 'Reset', and 'Cancel'. A callout bubble points to the 'Frozen columns' field with the text: "... and specify the desired number in the dialog".

| Visible | Sort | Column Header | Column Legend |
|-------------------------------------|------|---------------|---------------------|
| <input checked="" type="checkbox"/> | | VOLSER | VOLSER |
| <input checked="" type="checkbox"/> | | Alloc | Alloc (KB) |
| <input checked="" type="checkbox"/> | | Datasetname | Datasetname |
| <input checked="" type="checkbox"/> | | GDGGen | GDG-Generation |
| <input checked="" type="checkbox"/> | | DSO | DSORG |
| <input checked="" type="checkbox"/> | | RECF | RECFM |
| <input checked="" type="checkbox"/> | | XT | Num of Extends |
| <input checked="" type="checkbox"/> | | BLKSZ | BLKSIZE |
| <input checked="" type="checkbox"/> | | LRECL | LRECL |
| <input checked="" type="checkbox"/> | | Used | Used (KB) |
| <input checked="" type="checkbox"/> | | Second | Second (KB) |
| <input checked="" type="checkbox"/> | | Unusable | Unusable (KB) |
| <input checked="" type="checkbox"/> | | CR-Date | Creation Date |
| <input checked="" type="checkbox"/> | | EXPDT | Expiration Date |
| <input checked="" type="checkbox"/> | | Last-Used | Last used Date |
| <input checked="" type="checkbox"/> | | Limit | GDG-Limit |
| <input checked="" type="checkbox"/> | | Scr | GDG-Scratch |
| <input checked="" type="checkbox"/> | | Empty | GDG-Empty |
| <input checked="" type="checkbox"/> | | GDG-Mem# | GDG-Mem# |
| <input checked="" type="checkbox"/> | | DS-Ser | Dataset Serial Num |
| <input checked="" type="checkbox"/> | | VS | Volume Sequence Num |
| <input checked="" type="checkbox"/> | | Bkp-Date | |
| <input checked="" type="checkbox"/> | | Bkp-Time | |
| <input checked="" type="checkbox"/> | | DATACLAS | |
| <input checked="" type="checkbox"/> | | STORCLAS | |
| <input checked="" type="checkbox"/> | | MGMTCLAS | |
| <input checked="" type="checkbox"/> | | Stogroup | |
| <input checked="" type="checkbox"/> | | Timestamp | |
| <input checked="" type="checkbox"/> | | Chq | |

Background Table: Space - Dataset Info

| VOLSER | Alloc | Datasetname |
|--------|-------|--------------|
| <all> | <all> | <all> |
| H1SYS1 | 553 | P390A.JUP.DA |
| H1SYS1 | 553 | P390A.JUP.DA |
| DEVD00 | 387 | P390A.ROSE.C |
| DEVD00 | 6308 | P390A.ROSE.C |
| DEVD00 | 221 | P390A.PM.CN |
| DEVD00 | 111 | P390A.OPUSF |
| DEVD00 | 166 | P390A.OPUSF |
| DEVD00 | 166 | P390A.OPUSF |
| DEVD00 | 111 | P390A.OPUSF |
| DEVD00 | 609 | P390A.OPUSF |
| DEVD00 | 111 | P390A.OPUSF |
| DEVD00 | 609 | P390A.OPUSF |
| DEVD00 | 3320 | P390A.OPUSF |
| DEVD00 | 3320 | P390A.OPUSF |
| DEVD00 | 3320 | P390A.OPUSF |
| DEVD00 | 60039 | P390A.OPUSF |
| DEVD00 | 111 | P390A.OPUSF |
| DEVD00 | 553 | P390A.OPUSF |

PC Client - FIX (5)

The screenshot shows the 'XINFO PC Client - Space - Dataset Info' window. The 'Table' tab is active, displaying a table with columns: VOLSER, Alloc, PD T, Last-Used, Limit, Scr, Empty, GDG-Mem#, DS-Ser, VS, Bkp-Date, Bkp-Time, DATACLAS, STORCLAS, MGMTCLAS, Stogroup, Timestamp, Chg, Calc-EXPDT, and Syst. A red box highlights the first two columns, 'VOLSER' and 'Alloc'. A callout bubble points to these columns with the text 'Result: The first two columns are fixed'.

| VOLSER | Alloc | PD T | Last-Used | Limit | Scr | Empty | GDG-Mem# | DS-Ser | VS | Bkp-Date | Bkp-Time | DATACLAS | STORCLAS | MGMTCLAS | Stogroup | Timestamp | Chg | Calc-EXPDT | Syst |
|--------|-------|-------|------------|-------|-------|--------|----------|--------|----|------------|----------|----------|----------|----------|----------|--------------|-----|------------|------|
| H1SYS1 | 553 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | H1SYS1 | 1 | <all> | <all> | <all> | <all> | <all> | <all> | 21.09.201... | Y | | S0W1 |
| H1SYS1 | 553 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | H1SYS1 | 1 | <all> | <all> | <all> | <all> | <all> | <all> | 21.09.201... | Y | | S0W1 |
| DEVD00 | 387 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 6308 | <all> | 20.09.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 221 | <all> | 21.09.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 111 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 166 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 166 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 111 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 609 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 111 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | 21.09.2016 | 00:30:02 | <all> | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 609 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 60039 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 111 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | <all> | <all> | <all> | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 553 | <all> | 22.08.2016 | <all> | <all> | <a...> | <all> | DEVD00 | 1 | 21.09.2016 | 00:30:02 | <all> | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |

Result: The first two columns are fixed

PC Client - STATISTICS (1)

The screenshot shows the XINFO PC Client interface. The title bar reads "XINFO PC Client - Space - Dataset Info". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains several groups: Edit (Copy, Select All, Toggle Selection), Table Layout (Customize, Use Default, Use Custom), Table Functions (Group, Statistics, Subtable, Graph), Tools (Show SQL, Inverse Filter), and Chart. A callout box with the text "Another function: Statistics" points to the "Statistics" button in the Table Functions group. Below the ribbon is a "Workspace Tree" on the left and a table titled "Space - Dataset Info". The table has columns: VOLSER, Alloc, XPDT, Last-Used, Limit, Scr, Empty, GDG-Mem#, DS-Ser, VS, Bkp-Date, Bkp-Time, DATACLAS, STORCLAS, MGMTCLAS, Stogroup, Timestamp, Chg, Calc-EXPDT, and Syst. The table contains 20 rows of dataset information. At the bottom, the status bar shows "Connected as: P392E, file: XX37T#25" and "Lines: 234".

| VOLSER | Alloc | XPDT | Last-Used | Limit | Scr | Empty | GDG-Mem# | DS-Ser | VS | Bkp-Date | Bkp-Time | DATACLAS | STORCLAS | MGMTCLAS | Stogroup | Timestamp | Chg | Calc-EXPDT | Syst |
|--------|-------|-------|------------|-------|-----|--------|----------|--------|----|------------|----------|----------|----------|----------|----------|--------------|-------|------------|-------|
| <all> | <all> | <...> | <all> | <...> | | <a...> | <all> | <all> | | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <...> | <all> | <...> |
| H1SYS1 | 553 | | 22.08.2016 | | | | | H1SYS1 | 1 | | | | | | | 21.09.201... | Y | | S0W1 |
| H1SYS1 | 553 | | 22.08.2016 | | | | | H1SYS1 | 1 | | | | | | | 21.09.201... | Y | | S0W1 |
| DEVD00 | 387 | | 22.08.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 6308 | | 20.09.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 221 | | 21.09.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 111 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 166 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 166 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 111 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 609 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 111 | | 22.08.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 609 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 60039 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 111 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 553 | | 22.08.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |

Another function:
Statistics

PC Client - STATISTICS (2)

The screenshot shows the 'Statistics' dialog window in a PC Client application. The window title is 'Statistics' and it displays 'Space - Dataset Info (VTOC)' for the date '09/21/2016 - 13:52:16'. The main table lists various dataset attributes. The 'Alloc (KB)' row is highlighted in blue and enclosed in a red rectangular box. A callout bubble with a white background and dark border points to the value '1008432' in the 'Summary' column of this row, containing the text 'Total = 100 MB'. The 'Alloc (KB)' row is the 11th row in the table.

| Name | Found | Min | Max | Average | Summary |
|---------------------|-------|---------------|---------------|---------|---------|
| Datasetname | 234 | P390A.JCK.SRI | P390X.TST.OCB | | |
| GDG-Generation | 6 | | G0002V00 | | |
| DSORG | 234 | ? | VS | | |
| RECFM | 234 | ? | VBA | | |
| Num of Extends | 234 | 0 | 102 | 2 | 506 |
| VOLSER | 234 | DEV000 | MAIN03 | | |
| BLKSIZE | 234 | 0 | 32760 | 23809 | 5571392 |
| LFRECL | 234 | 0 | 32760 | 956 | 200466 |
| Alloc (KB) | 234 | 0 | 83004 | 4309 | 1008432 |
| Used (KB) | 234 | 0 | 38291 | 1891 | 233488 |
| Second (KB) | 234 | 0 | 46482 | 2292 | 536408 |
| Unusable (KB) | 234 | 0 | 530 | 9 | 2152 |
| Creation Date | 234 | 24.06.1996 | 06.09.2016 | | |
| Expiration Date | 2 | | 31.12.1999 | | |
| Last used Date | 232 | | | | |
| GDG-Limit | 6 | 10 | | | 60 |
| GDG-Scratch | 6 | | | | |
| GDG-Empty | 6 | | N | | |
| GDG-Mem# | 6 | 1 | 2 | 1 | 10 |
| Dataset Serial Num | 234 | DEV000 | MAIN03 | | |
| Volume Sequence Num | 234 | 1 | 1 | 1 | 234 |
| Last Backup Date | 24 | | 21.09.2016 | | |
| Last Backup Time | 24 | | 00:30:04 | | |
| DATACLAS | 0 | | | | |
| STORCLAS | 230 | | MANAGED | | |

Total = 100 MB

PC Client - GROUP (1)

And another function: Group

| VOLSER | Alloc | XPDT | Last-Used | Limit | Scr | Empty | GDG-Mem# | DS-Ser | VS | Bkp-Date | Bkp-Time | DATACLAS | STORCLAS | MGMTCLAS | Stogroup | Timestamp | Chg | Calc-EXPDT | Syst |
|--------|-------|-------|------------|-------|-----|--------|----------|--------|----|------------|----------|----------|----------|----------|----------|--------------|-------|------------|-------|
| <all> | <all> | <...> | <all> | <...> | | <a...> | <all> | <all> | | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <...> | <all> | <...> |
| H1SYS1 | 553 | | 22.08.2016 | | | | | H1SYS1 | 1 | | | | | | | 21.09.201... | Y | | S0W1 |
| H1SYS1 | 553 | | 22.08.2016 | | | | | H1SYS1 | 1 | | | | | | | 21.09.201... | Y | | S0W1 |
| DEVD00 | 387 | | 22.08.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 6308 | | 20.09.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 221 | | 21.09.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 111 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 166 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 166 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 111 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 609 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 111 | | 22.08.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 609 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 3320 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 60039 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | N | | S0W1 |
| DEVD00 | 111 | | 22.08.2016 | | | | | DEVD00 | 1 | | | | MANAGED | MCNORMAL | DEVELOP | 21.09.201... | Y | | S0W1 |
| DEVD00 | 553 | | 22.08.2016 | | | | | DEVD00 | 1 | 21.09.2016 | 00:30:02 | | MANAGED | MCDEV | DEVELOP | 21.09.201... | N | | S0W1 |

Connected as: P392E, file: XX37T#25 Lines: 234

PC Client - GROUP (2)

The screenshot displays the XINFO PC Client interface. The main window shows a table of dataset information with columns: VOLSER, Alloc, XPDT, Last-Used, Limit, Scr, and Empt. A 'Group By...' dialog box is open in the foreground, listing various columns for grouping. The 'CR-Date' option is selected, highlighted by a red rectangle. A callout bubble points to this selection with the text: "E.g. group CA-1 data by Creation Date".

| Group | Column Header | Column Legend | Start | Length |
|-------------------------------------|---------------|------------------|-------|--------|
| <input type="checkbox"/> | Datasetname | Datasetname | | |
| <input type="checkbox"/> | GDGGen | GDG-Generation | | |
| <input type="checkbox"/> | DSO | DSORG | | |
| <input type="checkbox"/> | RECF | RECFM | | |
| <input type="checkbox"/> | XT | Num of Extends | | |
| <input type="checkbox"/> | VOLSER | VOLSER | | |
| <input type="checkbox"/> | BLKSZ | BLKSIZE | | |
| <input type="checkbox"/> | LRECL | LRECL | | |
| <input type="checkbox"/> | Alloc | Alloc (KB) | | |
| <input type="checkbox"/> | Used | Used (KB) | | |
| <input type="checkbox"/> | Second | Second (KB) | | |
| <input type="checkbox"/> | Usuable | Usuable (KB) | | |
| <input checked="" type="checkbox"/> | CR-Date | Creation Date | | |
| <input type="checkbox"/> | EXPDT | Expiration Date | | |
| <input type="checkbox"/> | Last-Used | Last used Date | | |
| <input type="checkbox"/> | Limit | GDG-Limit | | |
| <input type="checkbox"/> | Scr | GDG-Scratch | | |
| <input type="checkbox"/> | Empty | GDG-Empty | | |
| <input type="checkbox"/> | GDG-Mem# | GDG-Mem# | | |
| <input type="checkbox"/> | DS-Ser | Dataset Serial | | |
| <input type="checkbox"/> | VS | Volume Sequ | | |
| <input type="checkbox"/> | Bkp-Date | Last Backup Date | | |
| <input type="checkbox"/> | Bkp-Time | Last Backup Time | | |
| <input type="checkbox"/> | DATACLAS | DATACLAS | | |
| <input type="checkbox"/> | STORCLAS | STORCLAS | | |

PC Client - Group (3)

The screenshot shows the XINFO PC Client interface. The window title is "XINFO PC Client - Space - Dataset Info (Grouped)". The ribbon includes tabs for File, Home, Table, Netplan, Barchart, Chart, Script, and View. The "Table" tab is active, showing options like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, New, and Library. The main workspace displays a table with two columns: "Count" and "CR-Date". A red box highlights the table data, and a callout box points to it with the text "The result: Number of used tapes per day".

| Count | CR-Date |
|-------|------------|
| 2 | 24.06.1996 |
| 2 | 08.04.1999 |
| 2 | 07.02.2003 |
| 2 | 14.06.2010 |
| 2 | 01.07.2010 |
| 4 | 02.07.2010 |
| 2 | 07.07.2010 |
| 2 | 08.07.2010 |
| 2 | 14.07.2010 |
| 2 | 16.07.2010 |
| 2 | 19.07.2010 |
| 2 | 27.07.2010 |
| 2 | 09.08.2010 |
| 4 | 11.08.2010 |
| 10 | 31.08.2010 |
| 2 | 07.09.2010 |
| 2 | 29.09.2010 |
| 2 | 14.07.2011 |
| 48 | 21.07.2011 |

The result: Number of used tapes per day

PC Client - ALL (1)

JCL - JOB Statements

Jobname = **XXRJ***

Account =

Programmers Name =

CLASS =

MSGCLASS =

NOTIFY =

PRIORITY =

REGION =

RESTART =

TYPRUN =

USER =

GROUP =

MSGLEVEL =

SCHENV =

ADDRSPC =

BYTES =

CARDS =

LINES =

MEMLIMIT =

PAGES =

PERFORM =

RD (Restart Def.) =

SECLABEL =

TIME =

JCL-Lib =

Member =

OK Actions Cancel

Connected as: P392E, file: XX37T#25

Type in "XXRJ*" in Jobname

PC Client - ALL (2)

The screenshot shows the XINFO PC Client interface for JCL - JOB Statements. The 'JCL' menu is open, displaying a list of options including Comment Cards, Control-M Variables, COMMAND Statements, DD Statements, EXEC Statements (highlighted), EXPORTed JCL Symbols, HFS (PATH), IF Statements, JCLLIB-Statements, JES Statements, Library Keys, OPC Variables, OUTPUT Statements, Procedure Calls, SET JCL Variables, SUBSYS, SYSIN Content of the Job, and SYSOUT+OUTPUT. The background table shows job statements with columns for Jobname, Account, and Program. The job 'XXRJDBC0' is selected. Two callout boxes provide context: one says 'Line commands are applied to the selected record ...' and the other says '... e.g. all EXEC statements for job XXRJDBC0 ...'.

| Jobname | Account | Prog |
|----------|------------|-------|
| <all> | <all> | <all> |
| XXRJC71 | ACCOUNT | 'HOP |
| XXRJC72 | ACCOUNT | 'HOP |
| XXRJDBC0 | ACCOUNT | 'HOP |
| XXRJD | Browse | |
| XXRJD | Automic | |
| XXRJD | Bagjas | |
| XXRJD | BETA93 | |
| XXRJD | Control-D | |
| XXRJD | Control-M | |
| XXRJD | CA Deliver | |
| XXRJD | CA7 | |
| XXRJD | DB2 | |
| XXRJD | GRAPH | |
| XXRJD | IMS | |
| XXRJE | JCL | |
| XXRJD | Space | |
| XXRJD | SME | |

Line commands are applied to the selected record ...

... e.g. all EXEC statements for job XXRJDBC0 ...

PC Client - ALL (3)

XINFO PC Client - JCL - EXEC Statements

File Home Table Netplan Barchart Chart Script View Style

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Tools New Library Chart

JCL - JOB Statements JCL - EXEC Statements

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | CallingP | PLg | Prg-Orig | PARM | REGION | TIME | COND | ACCT | ADDR | CCSID | DPRTY | DYN |
|----------|-------|-------|---------|----------|----------|-------|------------|-------------------------|----------|-------|----------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJDBC0 | 1 | PROC | | | XXRJ2TSO | Y | DBCRCREATE | SYSH.XINFO.V3R6.PROCLIB | | | | | | | | | | | | |
| XXRJDBC0 | 1 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | DBCRCREATE | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | | |
| XXRJDBC0 | 2 | PROC | | | XXRJ2TSO | Y | GRANT | SYSH.XINFO.V3R6.PROCLIB | | | | | | | | | | | | |
| XXRJDBC0 | 2 | PGM | DSNTEP2 | DB2TSO | XXRJ2TSO | | GRANT | SYSH.XINFO.V3R6.PROCLIB | | | IKJEFT1B | | 4000 | | | | | | | |

But if you like to see all EXEC statements for all jobs ...

Connected as: P392E, file: XX37T#25 Lines: 4

PC Client - ALL (4)

The screenshot shows the XINFO PC Client interface for JCL - JOB Statements. The 'Table' tab is active, and the 'All' command is selected in the dropdown menu. A callout box highlights this selection with the text: "... than you should use the 'All' command ...".

| Jobname | Account | Program | NOTIFY | PR | REGION | R | BYTES | CARDS | CCSID | COND | JESLOG | LINES |
|----------|---------|-----------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJC71 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJC72 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDBC0 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDBC1 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDCD | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDCM | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJDSN | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJD2 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJD2M | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJD201 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJD202 | ACCOUNT | 'HORIZO | | | | | | | | | | |
| XXRJEAS | ACCOUNT | 'HORIZON' | A | T | | | | | | | | |
| XXRJEASU | ACCOUNT | 'HORIZON' | A | T | | | | | | | | |

Connected as: P392E, file: XX37T#25

Lines: 316

PC Client - ALL (5)

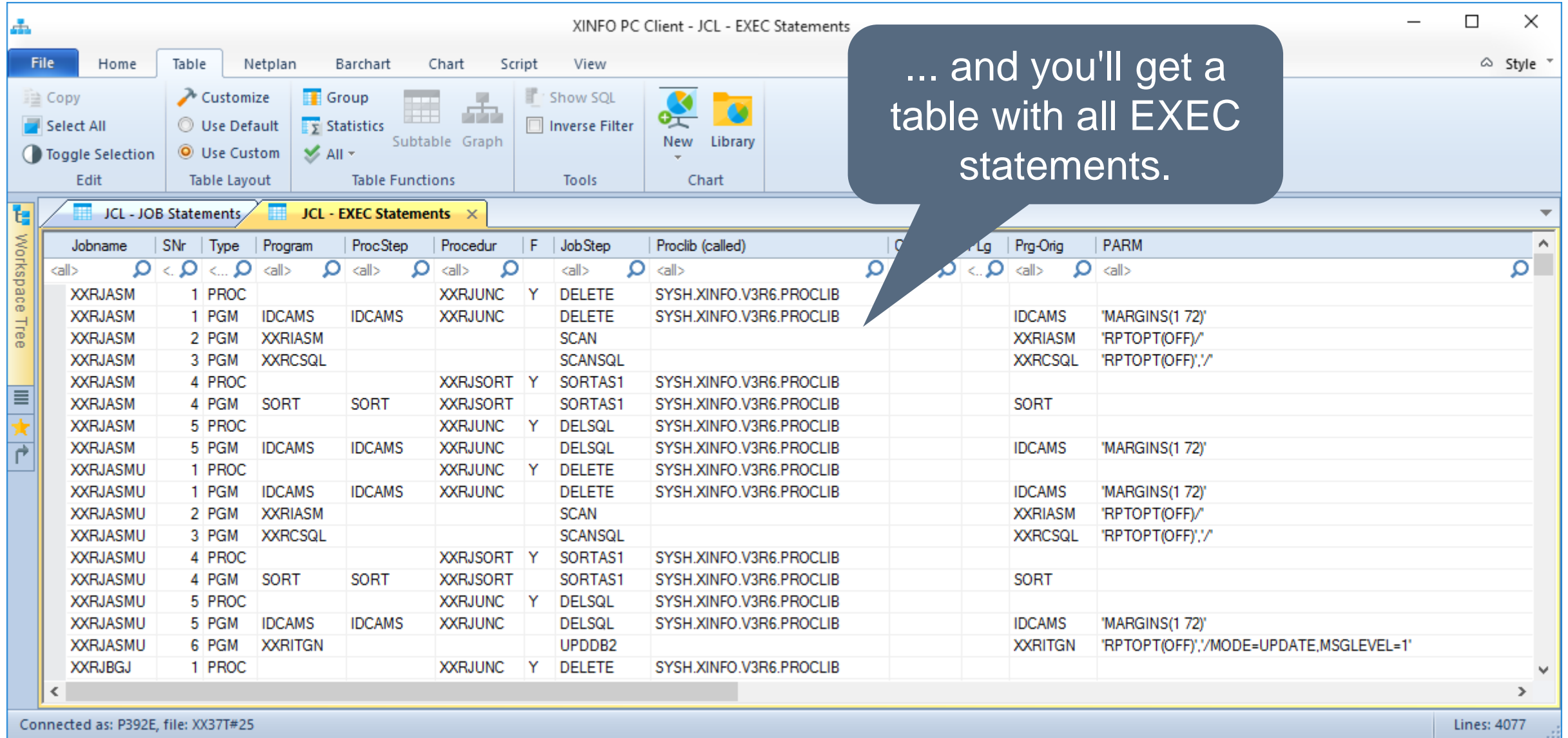
The screenshot shows the XINFO PC Client interface for JCL - JOB Statements. The main window displays a table of job statements with columns for Jobname, Account, Program, and various system parameters. A context menu is open over the table, listing various job types and options. The 'EXEC Statements' option is highlighted in yellow. A callout bubble points to this option with the text "... for EXEC statements ...".

| Jobname | Account | Program | NOTIFY | PR | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHENV | ADDR | BYTES | CARDS | CCSID | COND | JESLOG | LINES |
|----------|---------|-----------|--------|-------|--------|---------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJ71 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJ72 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJDBC0 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJDBC1 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJDCD | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJDSN | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJ2 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJ2M | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJ201 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJ202 | ACCOUNT | 'HORIZO | | | | | | | | | | | | | | | | |
| XXRJEAS | ACCOUNT | 'HORIZON' | | | | | | | | | | | | | | | | |
| XXRJEASU | ACCOUNT | 'HORIZON' | | | | | | | | | | | | | | | | |

Connected as: P392E, file: XX37T#25

Lines: 316

PC Client - ALL (6)



... and you'll get a table with all EXEC statements.

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | C | Lg | Prg-Orig | PARM |
|----------|-------|-------|---------|----------|----------|-------|---------|-------------------------|-------|-------|----------|--|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJASM | 1 | PROC | | | XXRJUNC | Y | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | | |
| XXRJASM | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASM | 2 | PGM | XXRIASM | | | | SCAN | | | | XXRIASM | 'RPTOPT(OFF)' |
| XXRJASM | 3 | PGM | XXRCSQL | | | | SCANSQL | | | | XXRCSQL | 'RPTOPT(OFF)';' |
| XXRJASM | 4 | PROC | | | XXRJSORT | Y | SORTAS1 | SYSH.XINFO.V3R6.PROCLIB | | | | |
| XXRJASM | 4 | PGM | SORT | SORT | XXRJSORT | | SORTAS1 | SYSH.XINFO.V3R6.PROCLIB | | | SORT | |
| XXRJASM | 5 | PROC | | | XXRJUNC | Y | DELSQL | SYSH.XINFO.V3R6.PROCLIB | | | | |
| XXRJASM | 5 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELSQL | SYSH.XINFO.V3R6.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMU | 1 | PROC | | | XXRJUNC | Y | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | | |
| XXRJASMU | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMU | 2 | PGM | XXRIASM | | | | SCAN | | | | XXRIASM | 'RPTOPT(OFF)' |
| XXRJASMU | 3 | PGM | XXRCSQL | | | | SCANSQL | | | | XXRCSQL | 'RPTOPT(OFF)';' |
| XXRJASMU | 4 | PROC | | | XXRJSORT | Y | SORTAS1 | SYSH.XINFO.V3R6.PROCLIB | | | | |
| XXRJASMU | 4 | PGM | SORT | SORT | XXRJSORT | | SORTAS1 | SYSH.XINFO.V3R6.PROCLIB | | | SORT | |
| XXRJASMU | 5 | PROC | | | XXRJUNC | Y | DELSQL | SYSH.XINFO.V3R6.PROCLIB | | | | |
| XXRJASMU | 5 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELSQL | SYSH.XINFO.V3R6.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMU | 6 | PGM | XXRITGN | | | | UPDDB2 | | | | XXRITGN | 'RPTOPT(OFF)';/MODE=UPDATE,MSGLEVEL=1' |
| XXRJBGJ | 1 | PROC | | | XXRJUNC | Y | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | | |

Connected as: P392E, file: XX37T#25

Lines: 4077

PC Client - Line commands for multiple line (1)

The screenshot shows the XINFO PC Client interface for JCL - JOB Statements. The window title is "XINFO PC Client - JCL - JOB Statements". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tools and options, including Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, New, and Library. The main area displays a table with columns: Jobname, Account, Programmers Name, C, M, NOTIFY, PR, REGION, RESTART, TYPRUN, USER, GROUP, MSG, SCHENV, ADDR, BYTES, CARDS, CCSID, COND, JESLOG, and LINES. The table contains 20 rows of job statements, all with "ACCOUNT" as the account name and "HORIZONT" as the programmer name. A callout box with a speech bubble points to the first few rows of the table, containing the text "Select multiple lines (like MS-Explorer) ...". The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25" and "Lines: 316".

| Jobname | Account | Programmers Name | C | M | NOTIFY | PR | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHENV | ADDR | BYTES | CARDS | CCSID | COND | JESLOG | LINES |
|----------|---------|------------------|---|---|---------|----|--------|---------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| <all> | <all> | <all> | | | <all> | | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJC71 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJC72 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC0 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC1 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDCD | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDCM | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDSN | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJD2 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJD2M | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJD201 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJD202 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJEAS | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJEASU | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |

Select multiple lines
(like MS-Explorer) ...

PC Client - Line commands for multiple lines (2)

The screenshot shows the XINFO PC Client interface with a table of job statements. A context menu is open over the selected rows, with 'EXEC Statements' highlighted. A callout box points to this option with the text: "... and apply a line command based on the selected lines ...".

| Jobname | Account | Programme | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHENV | ADDR | BYTES | CARDS | CCSID | COND | JESLOG | LINES |
|----------|---------|-----------|--------|---------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <...> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <..> |
| XXRJ71 | ACCOUNT | 'HORIZON | | | | | | | | | | | | | | |
| XXRJ72 | ACCOUNT | 'HORIZON | | | | | | | | | | | | | | |
| XXRJDBC0 | | | | | | | | | | | | | | | | |
| XXRJDBC1 | | | | | | | | | | | | | | | | |
| XXRJDBC2 | | | | | | | | | | | | | | | | |
| XXRJDCD | | | | | | | | | | | | | | | | |
| XXRJDC1 | | | | | | | | | | | | | | | | |
| XXRJDC2 | | | | | | | | | | | | | | | | |
| XXRJDCM | | | | | | | | | | | | | | | | |
| XXRJDC1 | | | | | | | | | | | | | | | | |
| XXRJDC2 | | | | | | | | | | | | | | | | |
| XXRJDSN | | | | | | | | | | | | | | | | |
| XXRJD2 | | | | | | | | | | | | | | | | |
| XXRJD2M | | | | | | | | | | | | | | | | |
| XXRJD201 | | | | | | | | | | | | | | | | |
| XXRJD202 | | | | | | | | | | | | | | | | |
| XXRJEAS | | | | | | | | | | | | | | | | |
| XXRJEASU | | | | | | | | | | | | | | | | |

... and apply a line command based on the selected lines ...

PC Client - Toggle function

The screenshot shows the XINFO PC Client interface with the 'Table' ribbon selected. The 'Toggle Selection' button is highlighted in the 'Edit' group. A callout box points to this button with the text: "With 'Toggle Selection' you can invert your selection." The main window displays a table of JCL EXEC statements.

| Jobname | SNr | Type | CallingP | PLg | Prg-Orig | PARM |
|----------|-------|-------|----------|--------|----------|---|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRICPL | 1 | PROC | | | | |
| XXRICPL | 1 | PGM | | | IEL1AA | 'GS,NIS,LANGLVL(SPROG),LC(32767),M,NC(E),NSEQ,NSYN(W):' |
| XXRICPL | 2 | PGM | IEWL | LKED | CLEJLOA | PLI P390A.ROSE.PLI.CNTL |
| XXRICPL | 3 | PGM | XXRICPL | | TEST | XXRICPL 'RPTOPT(ON);/ERROR=Y,ZRT=Y,MSGLEVEL=7,JTARC=N,SYS=OP7C' |
| XXRJASMD | 1 | PROC | XXRJUNC | Y | DELETE | P390A.XXR.TST37.PROCLIB |
| XXRJASMD | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | DELETE P390A.XXR.TST37.PROCLIB |
| XXRJASMD | 1 | PROC | XXRJUNC | Y | DELETE | P390A.XXR.TST40.PROCLIB |
| XXRJASMD | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | DELETE P390A.XXR.TST40.PROCLIB |
| XXRJASMD | 1 | PROC | XXRJUNC | Y | DELETE | P390A.XXR.TST37.PROCLIB |
| XXRJASMM | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | DELETE P390A.XXR.TST37.PROCLIB |
| XXRJASMM | 2 | PGM | IEBGENER | | MXXRTAS0 | IEBGENER |
| XXRJASMM | 3 | PGM | IEBGENER | | MXXRTAS1 | IEBGENER |
| XXRJASMM | 4 | PGM | IEBGENER | | MXXRTAS2 | IEBGENER |
| XXRJASMM | 5 | PGM | IEBGENER | | MXXRTAS3 | IEBGENER |
| XXRJASMM | 6 | PGM | IEBGENER | | MXXRTAS4 | IEBGENER |
| XXRJASMM | 7 | PGM | IEBGENER | | MXXRTAS5 | IEBGENER |
| XXRJASMM | 1 | PROC | XXRJUNC | Y | DELETE | P390A.XXR.TST40.PROCLIB |
| XXRJASMM | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | DELETE P390A.XXR.TST40.PROCLIB |
| XXRJASMM | 2 | PGM | IEBGENER | | MXXRTAS0 | IEBGENER |
| XXRJASMM | 2 | PGM | IEBGENER | | MXXRTAS1 | IEBGENER |

PC Client - Toggle function

The screenshot shows the XINFO PC Client interface with the 'Table' tab selected. The main window displays a table of JCL execution statements. A callout box points to a specific row in the table.

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | CallingP | PLg | Prg-Orig | PARM |
|----------|-----|------|----------|----------|----------|---|----------|-------------------------|----------|-----|----------|--|
| XXRICPL | 1 | PROC | | | CLEJLOA | Y | PLI | P390A.ROSE.PLI.CNTL | | | | |
| XXRICPL | 1 | PGM | IEL1AA | PLI | CLEJLOA | | PLI | P390A.ROSE.PLI.CNTL | | | IEL1AA | 'GS,NIS,LANGLVL(SPROG),LC(32767),M,NC(E),NSEQ,NSYN(W)';' |
| XXRICPL | 2 | PGM | IEWL | LKED | CLEJLOA | | PLI | P390A.ROSE.PLI.CNTL | | | IEWL | 'LIST=ALL,LINECT=0,STRIPSEC' |
| XXRICPL | 3 | PGM | XXRICPL | | | | TEST | | | | XXRICPL | 'RPTOPT(ON)';/ERROR=Y,ZRT=Y,MSGLEVEL=7,JTARC=N,SYS=OP7C' |
| XXRJASMD | 1 | PROC | | | XXRJUNC | Y | DELETE | P390A.XXR.TST37.PROCLIB | | | | |
| XXRJASMD | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | P390A.XXR.TST37.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMD | 1 | PROC | | | XXRJUNC | Y | DELETE | P390A.XXR.TST40.PROCLIB | | | | |
| XXRJASMD | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | P390A.XXR.TST40.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMM | 1 | PROC | | | XXRJUNC | Y | DELETE | P390A.XXR.TST37.PROCLIB | | | | |
| XXRJASMM | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | P390A.XXR.TST37.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMM | 2 | PGM | IEBGENER | | | | MXXRTAS0 | | | | IEBGENER | |
| XXRJASMM | 3 | PGM | IEBGENER | | | | MXXRTAS1 | | | | IEBGENER | |
| XXRJASMM | 4 | PGM | IEBGENER | | | | MXXRTAS2 | | | | IEBGENER | |
| XXRJASMM | 5 | PGM | IEBGENER | | | | MXXRTAS3 | | | | IEBGENER | |
| XXRJASMM | 6 | PGM | IEBGENER | | | | MXXRTAS4 | | | | IEBGENER | |
| XXRJASMM | 7 | PGM | IEBGENER | | | | MXXRTAS5 | | | | IEBGENER | |
| XXRJASMM | 1 | PROC | | | XXRJUNC | Y | DELETE | P390A.XXR.TST40.PROCLIB | | | | |
| XXRJASMM | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | P390A.XXR.TST40.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMM | 2 | PGM | IEBGENER | | | | MXXRTAS0 | | | | IEBGENER | |
| XXRJASMM | 2 | PGM | IEBGENER | | | | MXXRTAS1 | | | | IEBGENER | |

Hint: This function is only available in PC Client

The result after TOGGLE

PC Client - MARK all rows

The screenshot shows the XINFO PC Client interface with the 'Table' ribbon selected. The 'Select All' button is highlighted in yellow. A callout box points to this button with the text: "... "Select All" marks all lines ...". The table below shows job statements with columns for Jobname, Account, Programmers Name, C, M, NOTIFY, PR, REGION, RESTART, TYPRUN, USER, GROUP, MSG, SCHENV, ADDR, BYTES, CARDS, CCSID, COND, JESLOG, and LINES. The first row is expanded to show details.

| Jobname | Account | Programmers Name | C | M | NOTIFY | PR | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHENV | ADDR | BYTES | CARDS | CCSID | COND | JESLOG | LINES |
|----------|---------|------------------|---|---|---------|----|--------|---------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| <all> | <all> | <all> | | | <all> | | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJ71 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ72 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC0 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC1 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDCD | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDCM | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDSN | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ2 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ2M | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ201 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ202 | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJEAS | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJEASU | ACCOUNT | 'HORIZONT' | A | T | &SYSUID | | | | | | | | | | | | | | | |

PC Client - REMOVE all marks

... whereas "Toggle Selection" removes all marks

| Jobname | Account | Programmers Name | C | M | NOTIFY | PR | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHENV | ADDR | BYTES | CARDS | CCSID | COND | JESLOG | LINES |
|----------|---------|------------------|---|---|---------|----|--------|---------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| <all> | <all> | <all> | | | <all> | | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJC71 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJC72 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC0 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC1 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDCD | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDCM | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDSN | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJD2 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJD2M | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJD201 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJD202 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJEAS | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJEASU | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |

Connected as: P392E, file: XX37T#25 Lines: 316

PC Client - SUBTABLE (1)

XINFO PC Client - JCL - JOB Statements

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout Group Statistics All Table Functions Show SQL Inverse Filter Graph Tools

Use "Subtable" to create a new table ...

| Jobname | Account | Programmers Name | C | M | NOTIFY | PR | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHENV | ADDR | BYTES | CARDS | CCSID | COND | JESLOG | LINES |
|----------|---------|------------------|---|---|---------|----|--------|---------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| <all> | <all> | <all> | | | <all> | | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJ71 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ72 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC0 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC1 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDBC2 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDCD | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDCM | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDC2 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJDSN | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ2 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ2M | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ201 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJ202 | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJEAS | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |
| XXRJEASU | ACCOUNT | 'HORIZONTAL' | A | T | &SYSUID | | | | | | | | | | | | | | | |

Connected as: P392E, file: XX37T#25 Lines: 316

PC Client - SUBTABLE (2)

The screenshot shows the XINFO PC Client interface with the 'Table' menu selected. The main window displays a table of job statements. A red box highlights the following three rows:

| Jobname | Account | Programmers Name | C | M | NOTIFY | PR | REGION | RESTART | TYPRUN | USER | GROUP | MSG | SCHENV | ADDR | BYTES | CARDS | CCSID | COND | JESLOG | LINES | M | |
|----------|---------|------------------|---|---|---------|----|--------|---------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|---|--|
| XXRJDBC0 | ACCOUNT | "HORIZONT" | A | T | &SYSUID | | <all> | <all> | <all> | <all> | <all> | <...> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | | |
| XXRJDBC2 | ACCOUNT | "HORIZONT" | A | T | &SYSUID | | | | | | | | | | | | | | | | | |
| XXRJDC1 | ACCOUNT | "HORIZONT" | A | T | &SYSUID | | | | | | | | | | | | | | | | | |

... which includes exactly the selected lines

Connected as: P392E, file: XX37T#25

Lines: 3

PC Client - EXPORT (1)

The screenshot displays the 'Space - Volume Info' dialog box in the PC Client software. The 'VOLSER' field is highlighted with a red box, and a callout bubble points to it with the text 'Select all (*)'. The dialog box contains various fields for volume information, including Mount, SMS (Y/N/C), Percent Freespace, Freespace (KB), Alloc (KB), Capacity (KB), Device Type, Device Num/Adr, Storage Group, Fragmentation Index, Largest Extent, Free Extents, Free DSCBS, Free Virs, Freespace (MB), Alloc (MB), Capacity (MB), Timestamp, and System-ID. The 'Workspace Tree' on the left shows a hierarchy of folders including CICS, IMS, SMF, and Space, with 'Volume Info' selected under Space.

| Field | Operator | Value |
|---------------------|----------|------------------|
| VOLSER | = | * |
| Mount | = | |
| SMS (Y/N/C) | = | |
| Percent Freespace | = | |
| Freespace (KB) | = | |
| Alloc (KB) | = | |
| Capacity (KB) | = | |
| Device Type | = | |
| Device Num/Adr | = | |
| Storage Group | = | |
| Fragmentation Index | = | |
| Largest Extent | = | |
| Free Extents | = | |
| Free DSCBS | = | |
| Free Virs | = | |
| Freespace (MB) | = | |
| Alloc (MB) | = | |
| Capacity (MB) | = | |
| Timestamp | = | DD.MM.YYYY,HH:MM |
| System-ID | = | |

PC Client - EXPORT (2)

The screenshot shows the XINFO PC Client interface. The main window title is "XINFO PC Client - Space - Volume Info". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various options like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, Show SQL, Inverse Filter, and New. The Workspace Tree on the left shows a hierarchy with "Space" expanded to "Volume Info". The main area displays a table of volume information.

Overview for all Volumes

| VOLSER | Mount | SMS | Timestamp | FS | Free-MB | Alloc-MB | Cap-MB | DevT | DevN | Stogroup | Fragm | L.Ext | F.Ext | DSCBS | Virg |
|--------|---------|-------|------------------|-------|---------|----------|--------|-------|-------|----------|--------|---------|-------|-------|-------|
| <all> | <all> | <...> | <all> | <all> | <all> | <all> | <all> | <...> | <...> | <all> | <a...> | <all> | <...> | <all> | <all> |
| H1RES1 | PRIVATE | N | 21.09.2016,01:05 | 7 | 192 | 2513 | 2706 | 3390 | 0A80 | | 2 | 196941 | 2 | 1059 | 3I |
| H1RES2 | PRIVATE | N | 21.09.2016,01:05 | 1 | 13 | 2692 | 2706 | 3390 | 0A81 | | 116 | 11621 | 3 | 1408 | 3I |
| H1SYS1 | STORAGE | N | 21.09.2016,01:05 | 6 | 167 | 2538 | 2706 | 3390 | 0A82 | | 246 | 46925 | 21 | 1332 | 3I |
| | | | | | | 2581 | 2706 | 3390 | 0A83 | | 2 | 127826 | 2 | 1441 | 3I |
| | | | | | | 25 | 8105 | 3390 | 0A84 | | 0 | 8272113 | 7 | 1421 | 3I |
| | | | | | | 3166 | 8105 | 3390 | 0A85 | | 0 | 5058259 | 1 | 1444 | 3I |
| | | | | | | 4547 | 8105 | 3390 | 0A86 | | 0 | 3643041 | 2 | 1436 | 3I |
| | | | | | | 2706 | 2706 | 3390 | 0A87 | | 0 | 0 | 0 | 1443 | 3I |
| | | | | | | 2706 | 2706 | 3390 | 0A88 | | 0 | 0 | 0 | 1445 | 3I |
| | | | | | | 2430 | 2706 | 3390 | 0A89 | | 1 | 281992 | 2 | 825 | 2I |
| | | | | | | 2167 | 2706 | 3390 | 0A8A | | 0 | 551146 | 3 | 1218 | 3I |
| H1PRD3 | PRIVATE | N | 21.09.2016,01:05 | 45 | 1227 | 1479 | 2706 | 3390 | 0A8B | | 0 | 1256292 | 2 | 1312 | 3I |
| H1PRD4 | PRIVATE | N | 21.09.2016,01:05 | 7 | 180 | 2526 | 2706 | 3390 | 0A8C | | 10 | 182830 | 5 | 1352 | 3I |
| H1PRD5 | PRIVATE | N | 21.09.2016,01:05 | 15 | 398 | 2308 | 2706 | 3390 | 0A8D | | 0 | 407549 | 4 | 1302 | 3I |
| H1PRD6 | PRIVATE | N | 21.09.2016,01:05 | 5 | 139 | 2567 | 2706 | 3390 | 0A8E | | 0 | 142822 | 1 | 1298 | 3I |
| H1PRD7 | PRIVATE | N | 21.09.2016,01:05 | 5 | 127 | | | | | | 0 | 138617 | 1 | 1412 | 3I |
| H1DIS1 | PRIVATE | N | 21.09.2016,01:05 | 3 | | | | | | | 107 | 55557 | 4 | 1212 | 3I |
| H1DIS2 | PRIVATE | N | 21.09.2016,01:05 | 5 | | | | | | | 94 | 85549 | 2 | 1368 | 3I |

We're sorry, XINFO has no "built-in" Volume graphics, but ...

Graphics?

Connected as: P392E, file: XX37T#25 Lines: 126

PC Client - EXPORT (3)

Export - Excel

Nico NS. Salgado

DATEI | START | EINFÜGEN | SEITENLAYOUT | FORMELN | DATEN | ÜBERPRÜFEN | ANSICHT

Ausschneiden | Kopieren | Format übertragen | Zwischenablage | Schriftart | Ausrichtung | Zahl | Formatvorlagen | Zellen | Bearbeiten

H34

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X |
|----|--------|---------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | VOLSER | Free-KB | Alloc-KB | | | | | | | | | | | | | | | | | | | | | |
| 2 | H1RES1 | 197439 | 2574061 | | | | | | | | | | | | | | | | | | | | | |
| 3 | H1RES2 | 14166 | 2757334 | | | | | | | | | | | | | | | | | | | | | |
| 4 | H1SYS1 | 141715 | 2629785 | | | | | | | | | | | | | | | | | | | | | |
| 5 | H1RES3 | 128269 | 2643231 | | | | | | | | | | | | | | | | | | | | | |
| 6 | H1CFG1 | 8274604 | 25786 | | | | | | | | | | | | | | | | | | | | | |
| 7 | H1USS1 | 5058258 | 3242132 | | | | | | | | | | | | | | | | | | | | | |
| 8 | H1USS2 | 3643650 | 4656740 | | | | | | | | | | | | | | | | | | | | | |
| 9 | H1PAGA | 0 | 2771500 | | | | | | | | | | | | | | | | | | | | | |
| 10 | H1PAGB | 0 | 2771500 | | | | | | | | | | | | | | | | | | | | | |
| 11 | H1PRD1 | 282213 | 2489287 | | | | | | | | | | | | | | | | | | | | | |
| 12 | H1PRD2 | 551644 | 2219856 | | | | | | | | | | | | | | | | | | | | | |
| 13 | H1PRD3 | 1256513 | 1514987 | | | | | | | | | | | | | | | | | | | | | |
| 14 | H1PRD4 | 184822 | 2586678 | | | | | | | | | | | | | | | | | | | | | |
| 15 | H1PRD5 | 407715 | 2363785 | | | | | | | | | | | | | | | | | | | | | |
| 16 | H1PRD6 | 142822 | 2628678 | | | | | | | | | | | | | | | | | | | | | |
| 17 | H1PRD7 | 138617 | 2632883 | | | | | | | | | | | | | | | | | | | | | |
| 18 | H1DIS1 | 84830 | 2686670 | | | | | | | | | | | | | | | | | | | | | |
| 19 | H1DIS2 | 127881 | 2643619 | | | | | | | | | | | | | | | | | | | | | |
| 20 | H1DIS3 | 276901 | 2494599 | | | | | | | | | | | | | | | | | | | | | |
| 21 | H1DIS4 | 542016 | 2229484 | | | | | | | | | | | | | | | | | | | | | |
| 22 | H1DIS5 | 10791 | 2760709 | | | | | | | | | | | | | | | | | | | | | |
| 23 | H1IMU1 | 857928 | 1913572 | | | | | | | | | | | | | | | | | | | | | |
| 24 | H1IMU2 | 120356 | 2867784 | | | | | | | | | | | | | | | | | | | | | |
| 25 | H1IMU3 | 526245 | 2245255 | | | | | | | | | | | | | | | | | | | | | |
| 26 | H1C421 | 1802015 | 969485 | | | | | | | | | | | | | | | | | | | | | |
| 27 | H1C511 | 1388379 | 1383121 | | | | | | | | | | | | | | | | | | | | | |
| 28 | H1C521 | 935122 | 1836378 | | | | | | | | | | | | | | | | | | | | | |
| 29 | H1SYS2 | 277 | 2771223 | | | | | | | | | | | | | | | | | | | | | |
| 30 | ZBSYS1 | 910885 | 1860615 | | | | | | | | | | | | | | | | | | | | | |
| 31 | H1DBAR | 2466876 | 304624 | | | | | | | | | | | | | | | | | | | | | |
| 32 | H1DBB1 | 265834 | 2505666 | | | | | | | | | | | | | | | | | | | | | |
| 33 | H1DBB2 | 1915952 | 855548 | | | | | | | | | | | | | | | | | | | | | |
| 34 | H1DBB3 | 938442 | 1833058 | | | | | | | | | | | | | | | | | | | | | |
| 35 | H1DBB4 | 555628 | 2215872 | | | | | | | | | | | | | | | | | | | | | |
| 36 | H1KAN1 | 568134 | 2203366 | | | | | | | | | | | | | | | | | | | | | |
| 37 | H1W851 | 2197002 | 6103388 | | | | | | | | | | | | | | | | | | | | | |
| 38 | H1W852 | 1445928 | 6854462 | | | | | | | | | | | | | | | | | | | | | |
| 39 | H1W853 | 1516481 | 6783909 | | | | | | | | | | | | | | | | | | | | | |

Diagrammtitel

Diagrammbereich

You can create the graphics with XINFO and EXCEL:

PC Client - EXPORT (4)

1. Step:
Select columns with
"Customize" ...

| VOLSER | Mount | SMS | Timestamp | FS | Free-MB | Alloc-MB | Cap-MB | DevT | DevN | Stogroup | Fragm | L.Ext | F.Ext | DSCBS | Virs | Free-KB | Alloc-KB | Cap-KB | Syst |
|--------|---------|-----|------------------|-----|---------|----------|--------|------|------|----------|-------|---------|-------|-------|------|---------|----------|---------|------|
| H1RES1 | PRIVATE | N | 21.09.2016,01:05 | 7 | 192 | 2513 | 2706 | 3390 | 0A80 | | 2 | 196941 | 2 | 1059 | 301 | 197439 | 2574061 | 2771500 | SOW1 |
| H1RES2 | PRIVATE | N | 21.09.2016,01:05 | 1 | 13 | 2692 | 2706 | 3390 | 0A81 | | 116 | 11621 | 3 | 1408 | 308 | 14166 | 2757334 | 2771500 | SOW1 |
| H1SYS1 | STORAGE | N | 21.09.2016,01:05 | 6 | 167 | 2538 | 2706 | 3390 | 0A82 | | 246 | 46925 | 21 | 1332 | 304 | 171818 | 2599682 | 2771500 | SOW1 |
| H1RES3 | PRIVATE | N | 21.09.2016,01:05 | 5 | 125 | 2581 | 2706 | 3390 | 0A83 | | 2 | 127826 | 2 | 1441 | 308 | 128269 | 2643231 | 2771500 | SOW1 |
| H1CFG1 | PRIVATE | N | 21.09.2016,01:05 | 100 | 8080 | 25 | 8105 | 3390 | 0A84 | | 0 | 8272113 | 7 | 1421 | 301 | 8274604 | 25786 | 8300390 | SOW1 |
| H1USS1 | PRIVATE | N | 21.09.2016,01:05 | 61 | 4939 | 3166 | 8105 | 3390 | 0A85 | | 0 | 5058259 | 1 | 1444 | 301 | 5058258 | 3242132 | 8300390 | SOW1 |
| H1USS2 | PRIVATE | N | 21.09.2016,01:05 | 44 | 3558 | 4547 | 8105 | 3390 | 0A86 | | 0 | 3643041 | 2 | 1436 | 301 | 3643650 | 4656740 | 8300390 | SOW1 |
| H1PAGA | PRIVATE | N | 21.09.2016,01:05 | 0 | 0 | 2706 | 2706 | 3390 | 0A87 | | 0 | 0 | 0 | 1443 | 308 | 0 | 2771500 | 2771500 | SOW1 |
| H1PAGB | PRIVATE | N | 21.09.2016,01:05 | 0 | 0 | 2706 | 2706 | 3390 | 0A88 | | 0 | 0 | 0 | 1445 | 308 | 0 | 2771500 | 2771500 | SOW1 |
| H1PRD1 | PRIVATE | N | 21.09.2016,01:05 | 10 | 275 | 2430 | 2706 | 3390 | 0A89 | | 1 | 281992 | 2 | 825 | 293 | 282213 | 2489287 | 2771500 | SOW1 |
| H1PRD2 | PRIVATE | N | 21.09.2016,01:05 | 20 | 538 | 2167 | 2706 | 3390 | 0A8A | | 0 | 551146 | 3 | 1218 | 302 | 551644 | 2219856 | 2771500 | SOW1 |
| H1PRD3 | PRIVATE | N | 21.09.2016,01:05 | 45 | 1227 | 1479 | 2706 | 3390 | 0A8B | | 0 | 1256292 | 2 | 1312 | 306 | 1256513 | 1514987 | 2771500 | SOW1 |
| H1PRD4 | PRIVATE | N | 21.09.2016,01:05 | 7 | 180 | 2526 | 2706 | 3390 | 0A8C | | 10 | 182830 | 5 | 1352 | 307 | 184822 | 2586678 | 2771500 | SOW1 |
| H1PRD5 | PRIVATE | N | 21.09.2016,01:05 | 15 | 398 | 2308 | 2706 | 3390 | 0A8D | | 0 | 407549 | 4 | 1302 | 306 | 407715 | 2363785 | 2771500 | SOW1 |
| H1PRD6 | PRIVATE | N | 21.09.2016,01:05 | 5 | 139 | 2567 | 2706 | 3390 | 0A8E | | 0 | 142822 | 1 | 1298 | 306 | 142822 | 2628678 | 2771500 | SOW1 |
| H1PRD7 | PRIVATE | N | 21.09.2016,01:05 | 5 | 135 | 2571 | 2706 | 3390 | 0A8F | | 0 | 138617 | 1 | 1412 | 308 | 138617 | 2632883 | 2771500 | SOW1 |
| H1DIS1 | PRIVATE | N | 21.09.2016,01:05 | 3 | 82 | 2623 | 2706 | 3390 | 0A90 | | 107 | 55557 | 4 | 1212 | 304 | 84830 | 2686670 | 2771500 | SOW1 |
| H1DIS2 | PRIVATE | N | 21.09.2016,01:05 | 5 | 124 | 2581 | 2706 | 3390 | 0A91 | | 94 | 85549 | 2 | 1368 | 308 | 127881 | 2643619 | 2771500 | SOW1 |
| H1DIS3 | PRIVATE | N | 21.09.2016,01:05 | 10 | 270 | 2436 | 2706 | 3390 | 0A92 | | 2 | 276403 | 4 | 1339 | 307 | 276901 | 2494599 | 2771500 | SOW1 |

PC Client - EXPORT (5)

Table Layout

| Visible | Sort | Column Header | Column Legend |
|-------------------------------------|------|---------------|---------------------|
| <input checked="" type="checkbox"/> | | VOLSER | VOLSER |
| <input type="checkbox"/> | | Mount | Mount |
| <input type="checkbox"/> | | SMS | SMS (Y/N/C) |
| <input type="checkbox"/> | | Timestamp | Timestamp |
| <input type="checkbox"/> | | FS | Percent Freespace |
| <input type="checkbox"/> | | Free-MB | Freespace (MB) |
| <input type="checkbox"/> | | Alloc-MB | Alloc (MB) |
| <input type="checkbox"/> | | Cap-MB | Capacity (MB) |
| <input type="checkbox"/> | | DevT | Device Type |
| <input type="checkbox"/> | | DevN | Device Num/Adr |
| <input type="checkbox"/> | | Stogroup | Storage Group |
| <input type="checkbox"/> | | Fragm | Fragmentation Index |
| <input type="checkbox"/> | | L.Ext | Largest Extent |
| <input type="checkbox"/> | | F.Ext | Free Extents |
| <input type="checkbox"/> | | DSCBS | Free DSCBS |
| <input type="checkbox"/> | | VirS | Free VirS |
| <input checked="" type="checkbox"/> | | Free-KB | Freespace (KB) |
| <input checked="" type="checkbox"/> | | Alloc-KB | Alloc (KB) |
| <input type="checkbox"/> | | Cap-KB | Capacity (KB) |
| <input type="checkbox"/> | | System-ID | |

... and specify the columns you need (for experts: You can do that later within EXCEL)

Space - Volume Info

| VOLSER | Mount | SMS | Timestamp |
|--------|---------|-------|-----------|
| <all> | <all> | <...> | <all> |
| H1RES1 | PRIVATE | N | 21.09 |
| H1RES2 | PRIVATE | N | 21.09 |
| H1SYS1 | STORAGE | N | 21.09 |
| H1RES3 | PRIVATE | N | 21.09 |
| H1CFG1 | PRIVATE | N | 21.09 |
| H1USS1 | PRIVATE | N | 21.09 |
| H1USS2 | PRIVATE | N | 21.09 |
| H1PAGA | PRIVATE | N | 21.09 |
| H1PAGB | PRIVATE | N | 21.09 |
| H1PRD1 | PRIVATE | N | 21.09 |
| H1PRD2 | PRIVATE | N | 21.09 |
| H1PRD3 | PRIVATE | N | 21.09 |
| H1PRD4 | PRIVATE | N | 21.09 |
| H1PRD5 | PRIVATE | N | 21.09 |
| H1PRD6 | PRIVATE | N | 21.09 |
| H1PRD7 | PRIVATE | N | 21.09 |
| H1DIS1 | PRIVATE | N | 21.09 |
| H1DIS2 | PRIVATE | N | 21.09 |
| H1DIS3 | PRIVATE | N | 21.09 |

Workspace Tree

| KB | Alloc-KB | Cap-KB | Syst |
|-------|----------|---------|-------|
| <all> | <all> | <...> | <all> |
| 97439 | 2574061 | 2771500 | SOW1 |
| 14166 | 2757334 | 2771500 | SOW1 |
| 71818 | 2599682 | 2771500 | SOW1 |
| 28269 | 2643231 | 2771500 | SOW1 |
| 74604 | 25786 | 8300390 | SOW1 |
| 58258 | 3242132 | 8300390 | SOW1 |
| 13650 | 4656740 | 8300390 | SOW1 |
| 0 | 2771500 | 2771500 | SOW1 |
| 0 | 2771500 | 2771500 | SOW1 |
| 32213 | 2489287 | 2771500 | SOW1 |
| 51644 | 2219856 | 2771500 | SOW1 |
| 66513 | 1514987 | 2771500 | SOW1 |
| 34822 | 2586678 | 2771500 | SOW1 |
| 07715 | 2363785 | 2771500 | SOW1 |
| 12822 | 2628678 | 2771500 | SOW1 |
| 88617 | 2632883 | 2771500 | SOW1 |
| 34830 | 2686670 | 2771500 | SOW1 |
| 27881 | 2643619 | 2771500 | SOW1 |
| 76901 | 2494599 | 2771500 | SOW1 |

Connected as: P392E, file: XX37T#25

Lines: 126

PC Client - EXPORT (6)

The screenshot shows the XINFO PC Client interface with the 'Table' menu selected. The main window displays a table titled 'Space - Volume Info' with the following data:

| VOLSER | Free-KB | Alloc-KB |
|--------|---------|----------|
| <all> | <all> | <all> |
| H1RES1 | 197439 | 2574061 |
| H1RES2 | 14166 | 2757334 |
| H1SYS1 | 171818 | 2599682 |
| H1RES3 | 128269 | 2643231 |
| H1CFG1 | 8274604 | 25786 |
| H1USS1 | 5058258 | 3242132 |
| H1USS2 | 3643650 | 4656740 |
| H1PAGA | 0 | 2771500 |
| H1PAGB | 0 | 2771500 |
| H1PRD1 | 282213 | 2489287 |
| H1PRD2 | 551644 | 2219856 |
| H1PRD3 | 1256513 | 1514987 |
| H1PRD4 | 184822 | 2586678 |
| H1PRD5 | 407715 | 2363785 |
| H1PRD6 | 142822 | 2628678 |
| H1PRD7 | 138617 | 2632883 |
| H1DIS1 | 84830 | 2686670 |
| H1DIS2 | 127881 | 2643619 |
| H1DIS3 | 276901 | 2494599 |

A callout box with the text 'The table for export' points to the table data.

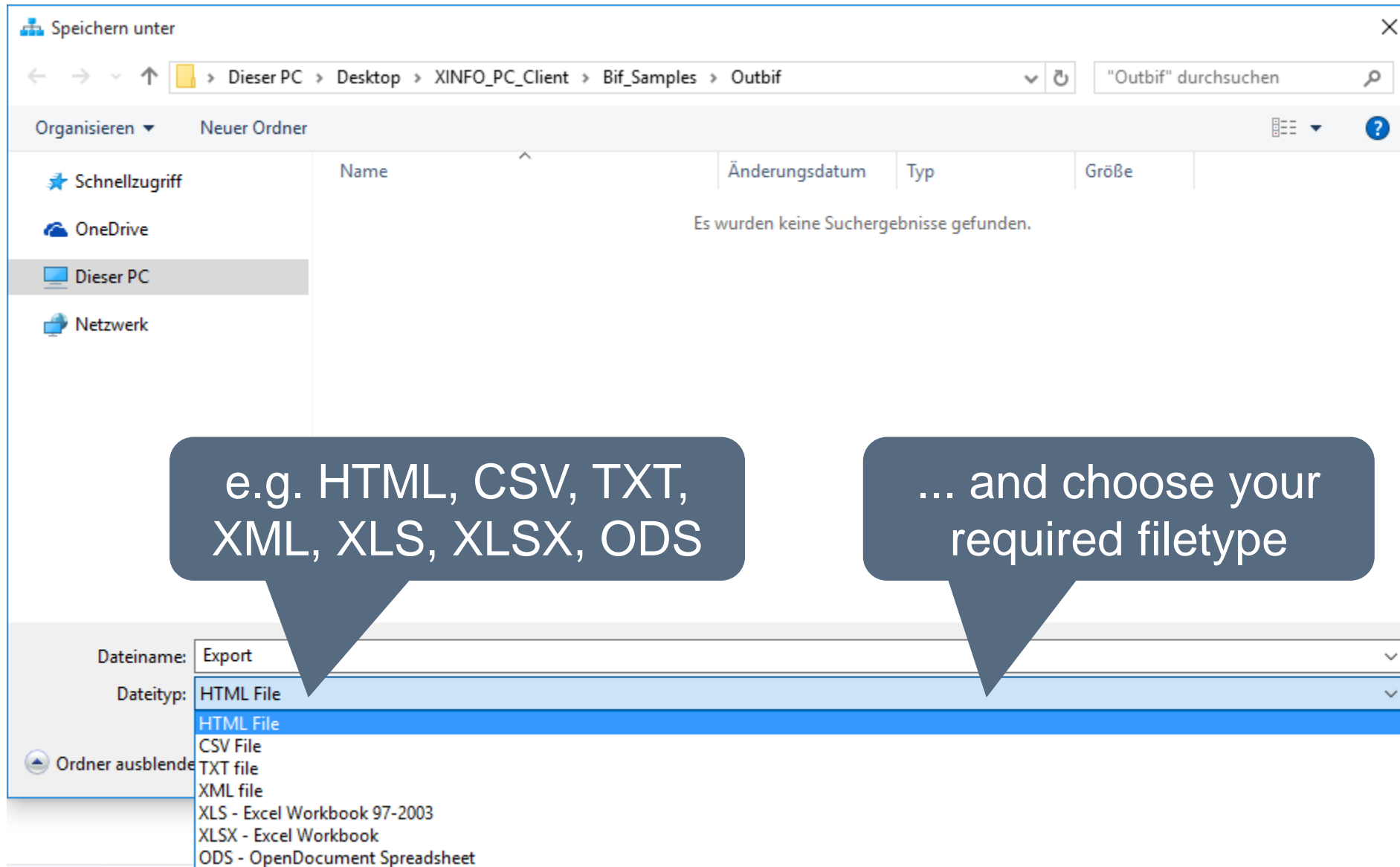
Connected as: P392E, file: XX37T#25 Lines: 126

PC Client - IMPORT into EXCEL (1)

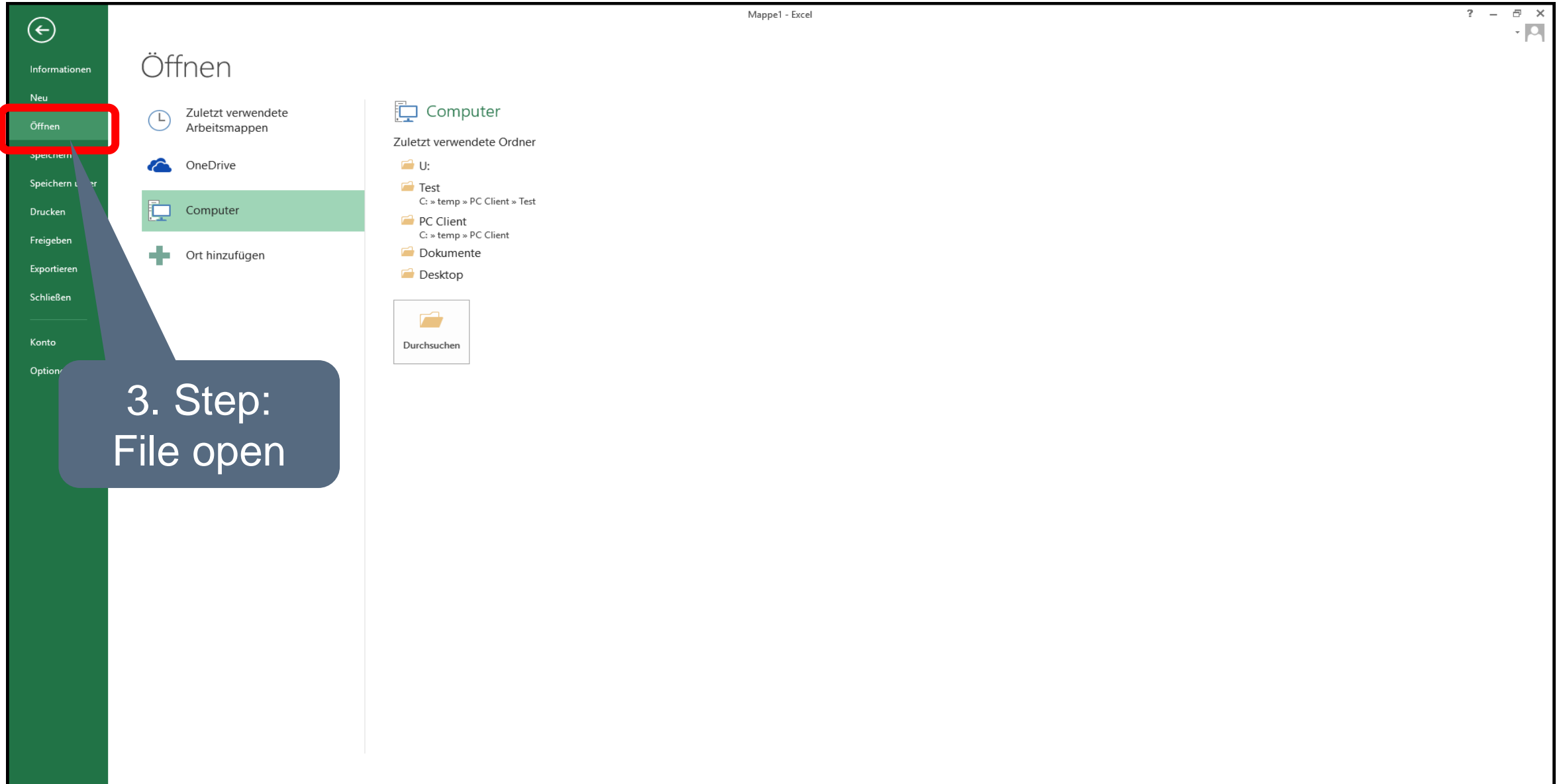
The screenshot shows the XINFO PC Client interface. The 'File' menu is open, and the 'Export...' option is highlighted. A callout box points to this option with the text '2. Step: Select Export'. The main window displays a table with three rows of data. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25' and 'Lines: 126'.

| ID | Value 1 | Value 2 |
|--------|---------|---------|
| H1DIS1 | 84830 | 2686670 |
| H1DIS2 | 127881 | 2643619 |
| H1DIS3 | 276901 | 2494599 |

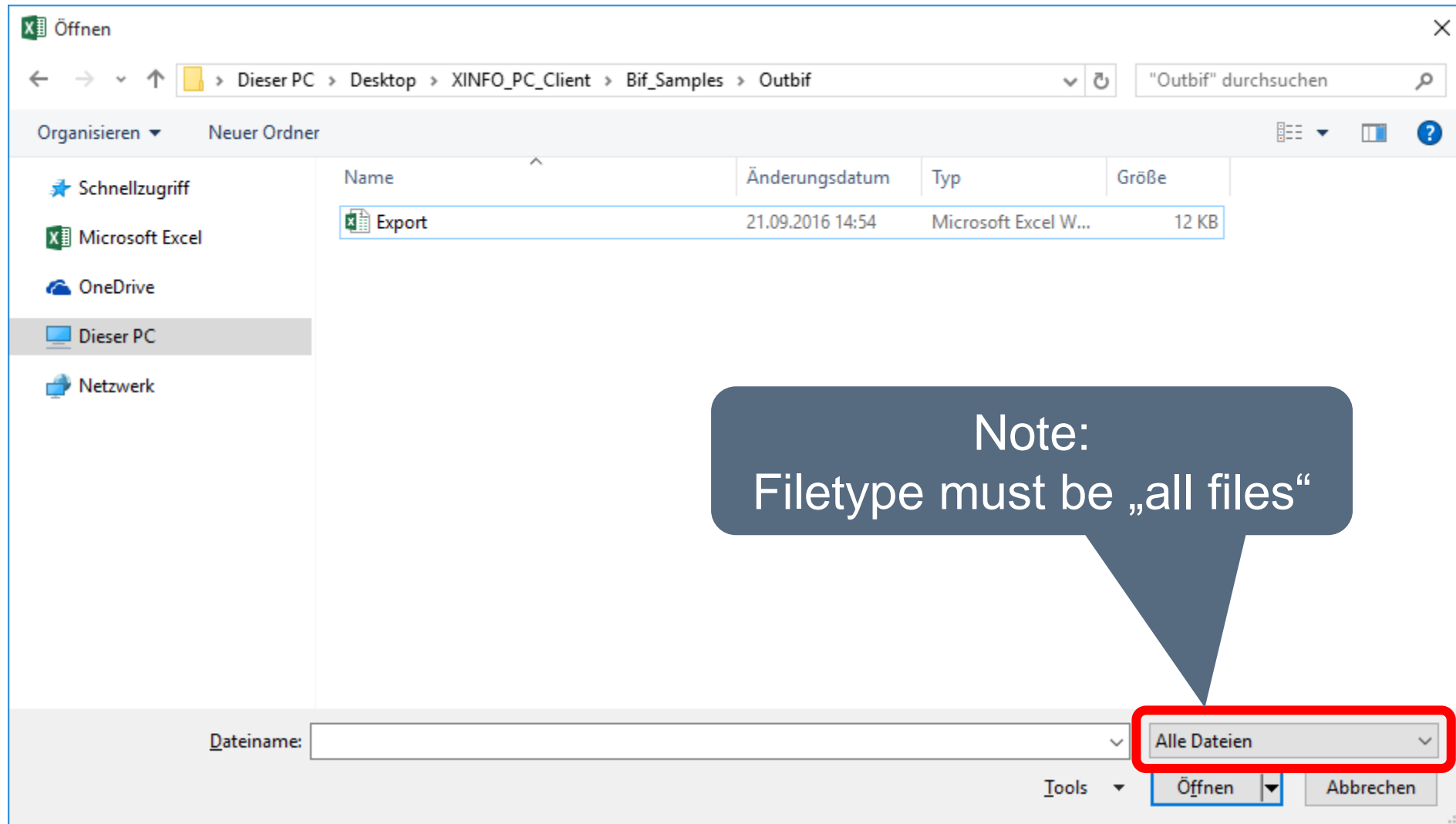
PC Client - IMPORT into EXCEL (2)



PC Client - IMPORT into EXCEL (3)



PC Client - IMPORT into EXCEL (4)



PC Client - IMPORT into EXCEL (5)

The screenshot shows the Microsoft Excel interface with the 'EINFÜGEN' (Insert) ribbon active. The 'Diagrams' group is highlighted, and the 'Empfohlene Diagramme' (Recommended Diagrams) button is pointed to by a callout box. The spreadsheet contains a table with the following data:

| Space - Volume Info | | |
|---------------------|---------|----------|
| VOLSER | Free-KB | Alloc-KB |
| H1RES1 | 197439 | 2574061 |
| H1RES2 | 14166 | 2757334 |
| H1SYS1 | 141715 | 2629785 |
| H1RES3 | 128269 | 2643231 |
| H1CFG1 | 8274604 | 25786 |
| H1USS1 | 5058258 | 3242132 |
| H1USS2 | 3643650 | 4656740 |
| H1PAGA | 0 | 2771500 |
| H1PAGB | 0 | 2771500 |
| H1PRD1 | 282213 | 2489287 |
| H1PRD2 | 551644 | 2219856 |
| H1PRD3 | 1256513 | 1514987 |
| H1PRD4 | 184822 | 2586678 |
| H1PRD5 | 407715 | 2363785 |
| H1PRD6 | 142822 | 2628678 |
| H1PRD7 | 138617 | 2632883 |
| H1DIS1 | 84830 | 2686670 |
| H1DIS2 | 127881 | 2643619 |
| H1DIS3 | 276901 | 2494599 |
| H1DIS4 | 542016 | 2229484 |
| H1DIS5 | 10791 | 2760709 |
| H1IMU1 | 857928 | 1913572 |
| H1IMU2 | 120356 | 2867784 |
| H1IMU3 | 526245 | 2245255 |
| H1C421 | 1802015 | 969485 |
| H1C511 | 1388379 | 1383121 |
| H1C521 | 935122 | 1836378 |
| H1SYS2 | 277 | 2771223 |
| ZBSYS1 | 910885 | 1860615 |
| H1DBAR | 2466876 | 304624 |
| H1DBB1 | 265834 | 2505666 |
| H1DBB2 | 1915952 | 855548 |
| H1DBB3 | 930972 | 1840528 |
| H1DBB4 | 555628 | 2215872 |
| H1KAN1 | 568134 | 2203366 |

5. Step:
Select Insert Diagram

PC Client - Select diagram in EXCEL

Diagramm einfügen

Empfohlene Diagramme | Alle Diagramme

- Zuletzt verwendet
- Vorlagen
- Säule**
- Linie
- Kreis
- Balken
- Fläche
- Punkt (X)
- Kurs
- Objekt

Gruppierende Säulen

Diagrammtitel

Diagrammtitel

Free-KG | Alloc-KG

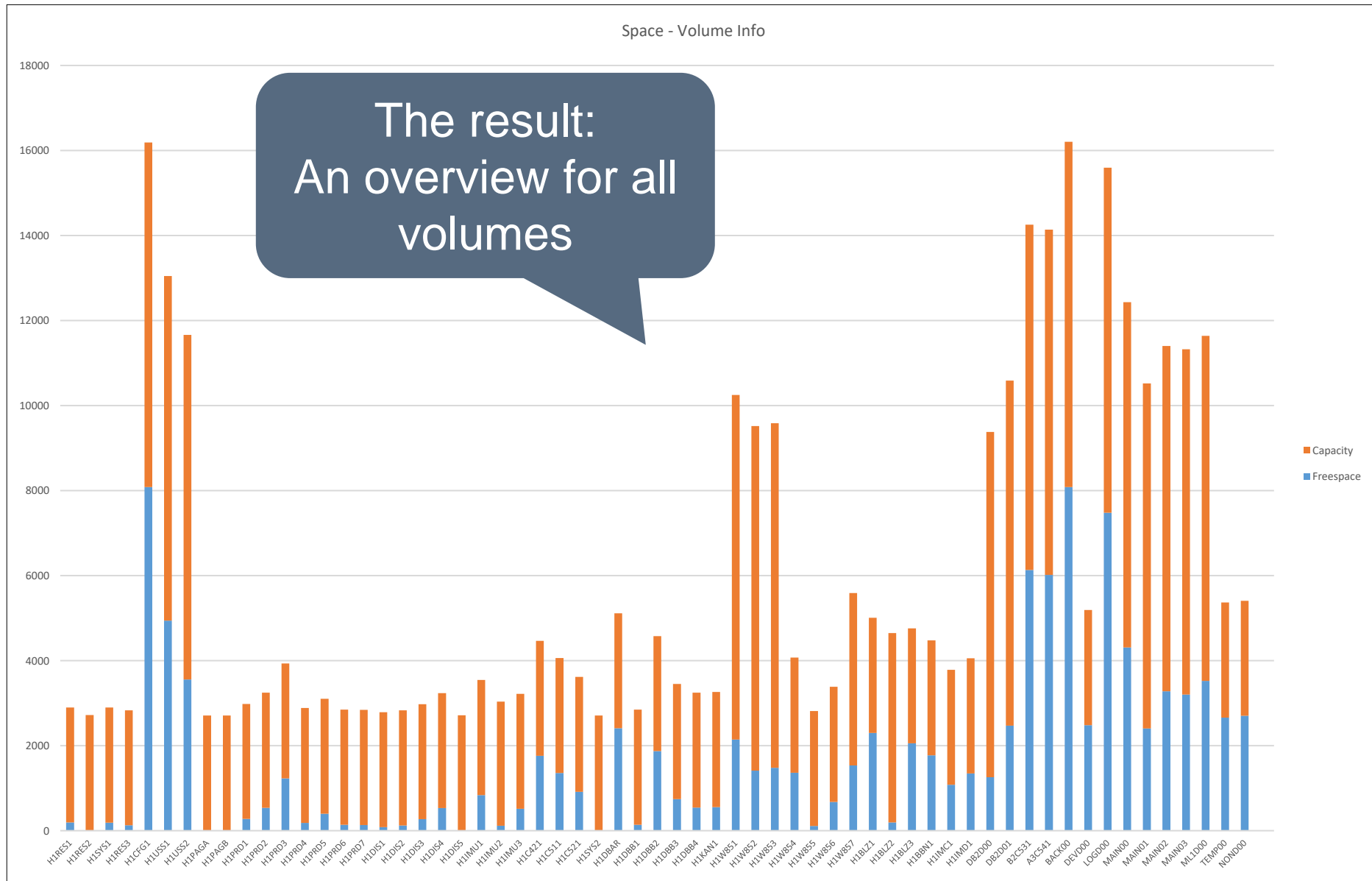
Free-KG | Alloc-KG

OK | Abbrechen

6. Step:
Select the appropriate
diagram type

... confirm

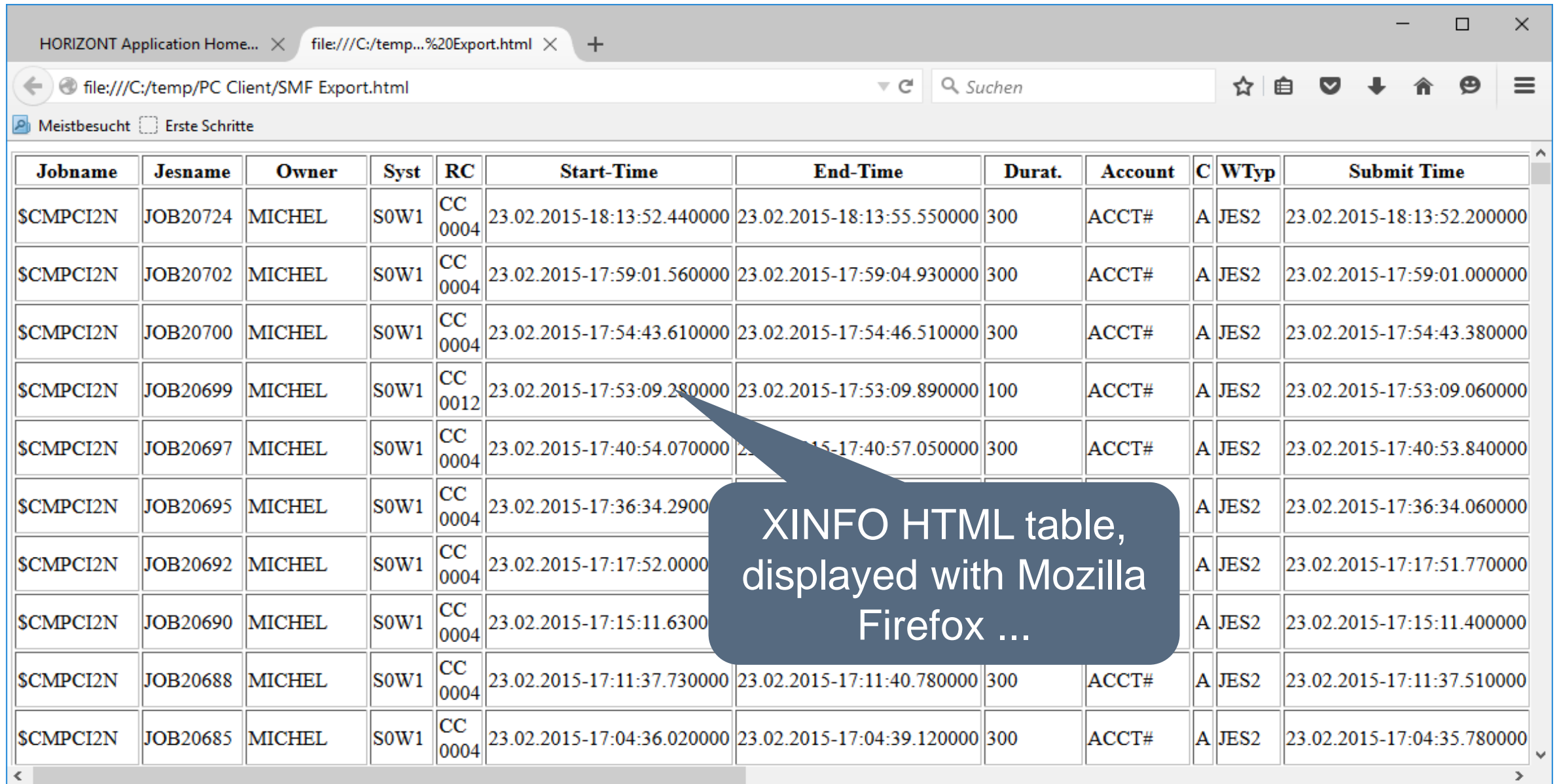
PC Client - Volume Overview



PC Client - Export format, Overview

- Tables
 - HTML file, CSV file, XML file
 - TXT file (plain ASCII Text)
 - XLS, XLSX (Excel Workbook)
 - ODS (OpenDocument Spreadsheet)
- Graphics
 - JPG (JPEG), PNG (Portable Network Graphics); compressed format
 - BMP (Windows Bitmap); Uncompressed format
 - TIF (Tagged Image File); high-resolution graphics
 - WMF (Windows Metafile), EMF (Windows Enhanced Metafile)

PC Client - XINFO table in HTML



| Jobname | Jesname | Owner | Syst | RC | Start-Time | End-Time | Durat. | Account | C | WTyp | Submit Time |
|----------|----------|--------|------|------------|----------------------------|----------------------------|--------|---------|---|------|----------------------------|
| SCMPCI2N | JOB20724 | MICHEL | S0W1 | CC 0004 | 23.02.2015-18:13:52.440000 | 23.02.2015-18:13:55.550000 | 300 | ACCT# | A | JES2 | 23.02.2015-18:13:52.200000 |
| SCMPCI2N | JOB20702 | MICHEL | S0W1 | CC 0004 | 23.02.2015-17:59:01.560000 | 23.02.2015-17:59:04.930000 | 300 | ACCT# | A | JES2 | 23.02.2015-17:59:01.000000 |
| SCMPCI2N | JOB20700 | MICHEL | S0W1 | CC 0004 | 23.02.2015-17:54:43.610000 | 23.02.2015-17:54:46.510000 | 300 | ACCT# | A | JES2 | 23.02.2015-17:54:43.380000 |
| SCMPCI2N | JOB20699 | MICHEL | S0W1 | CC 0012 | 23.02.2015-17:53:09.280000 | 23.02.2015-17:53:09.890000 | 100 | ACCT# | A | JES2 | 23.02.2015-17:53:09.060000 |
| SCMPCI2N | JOB20697 | MICHEL | S0W1 | CC 0004 | 23.02.2015-17:40:54.070000 | 23.02.2015-17:40:57.050000 | 300 | ACCT# | A | JES2 | 23.02.2015-17:40:53.840000 |
| SCMPCI2N | JOB20695 | MICHEL | S0W1 | CC 0004 | 23.02.2015-17:36:34.290000 | | | | A | JES2 | 23.02.2015-17:36:34.060000 |
| SCMPCI2N | JOB20692 | MICHEL | S0W1 | CC 0004 | 23.02.2015-17:17:52.000000 | | | | A | JES2 | 23.02.2015-17:17:51.770000 |
| SCMPCI2N | JOB20690 | MICHEL | S0W1 | CC 0004 | 23.02.2015-17:15:11.630000 | | | | A | JES2 | 23.02.2015-17:15:11.400000 |
| SCMPCI2N | JOB20688 | MICHEL | S0W1 | CC 0004 | 23.02.2015-17:11:37.730000 | 23.02.2015-17:11:40.780000 | 300 | ACCT# | A | JES2 | 23.02.2015-17:11:37.510000 |
| SCMPCI2N | JOB20685 | MICHEL | S0W1 | CC 0004 | 23.02.2015-17:04:36.020000 | 23.02.2015-17:04:39.120000 | 300 | ACCT# | A | JES2 | 23.02.2015-17:04:35.780000 |

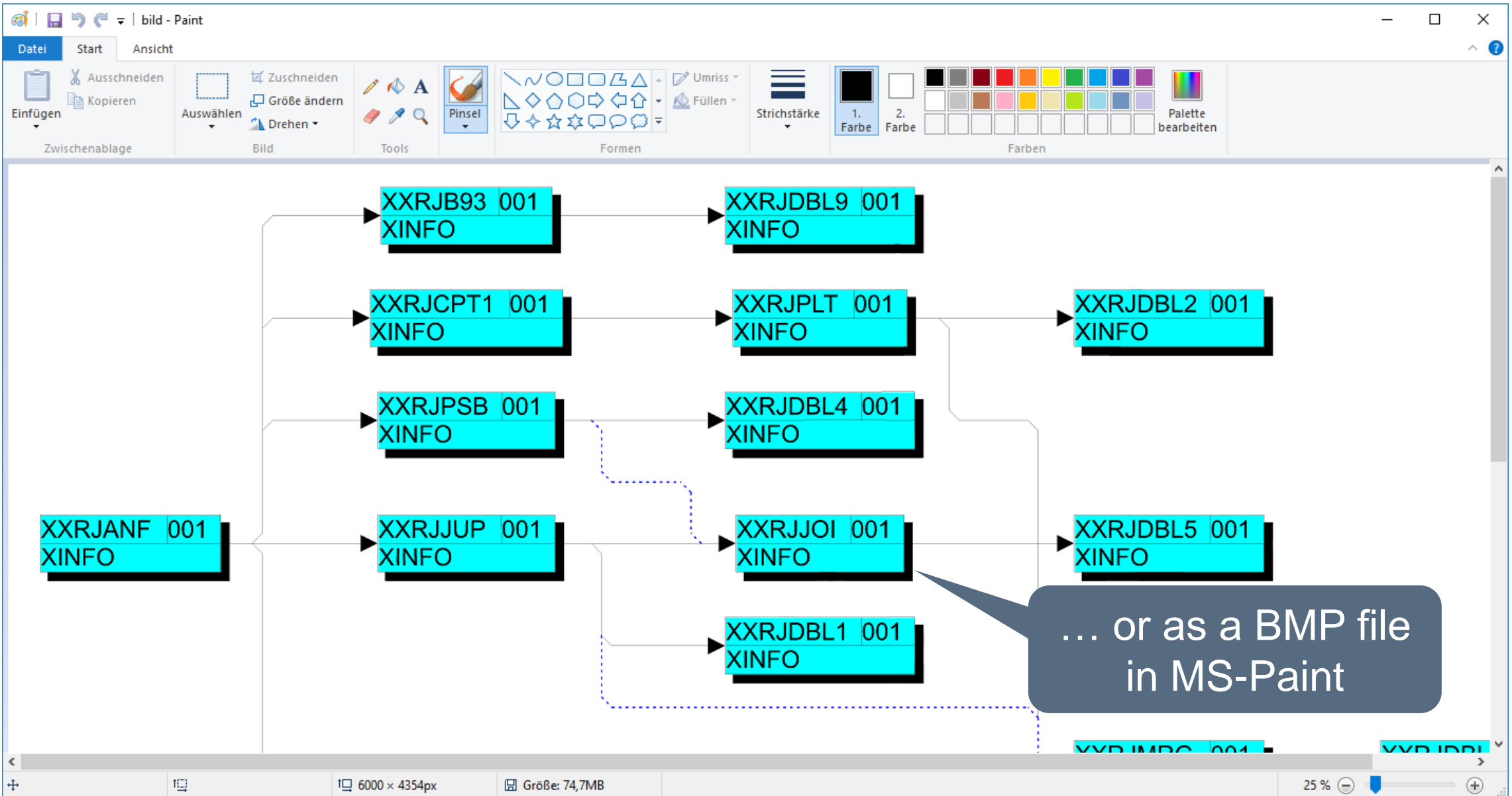
XINFO HTML table,
displayed with Mozilla
Firefox ...

PC Client - JPEG Graphics



XINFO netplan as a JPEG file in the Explorer ...

PC Client - BMP Graphics



... or as a BMP file
in MS-Paint

PC Client - Graphics, Filesize

The screenshot shows a Windows File Explorer window titled 'Bilder' with the ribbon set to 'Bildtools'. The address bar shows the path: 'Dieser PC > Lokaler Datenträger (C:) > temp > PC Client > Bilder'. The left sidebar shows 'Dieser PC' selected. The main area displays a table of files:

| Name | Datum | Typ | Größe | Markierungen |
|------|------------------|------------|-----------|--------------|
| bild | 03.09.2015 14:55 | Bitmapbild | 76.536 KB | |
| bild | 03.09.2015 14:55 | JPEG-Bild | 1.178 KB | |
| bild | 03.09.2015 14:55 | TIFF-Bild | 339 KB | |
| bild | 03.09.2015 14:55 | PNG-Bild | 159 KB | |
| bild | 03.09.2015 14:55 | EMF File | 105 KB | |
| bild | 03.09.2015 14:55 | WMF File | 34 KB | |

A red box highlights the table. A callout bubble points to the WMF file with the text: 'But: WMF results in perfect quality, and it saves resources'.

But: WMF results in perfect quality, and it saves resources

PC Client - SAVE and LOAD Selection (1)

The screenshot shows a dialog window titled "JCL - EXEC Statements" with a close button (X) in the top right corner. The dialog is divided into several sections for defining selection criteria:

- Jobname:** This section is highlighted with a red rounded rectangle. It contains three rows of selection criteria:
 - Jobname = [dropdown] PDB38* OR [dropdown]
 - Jobname = [dropdown] XTTRGB OR [dropdown]
 - Jobname = [dropdown] SYS| OR [dropdown]
- JobStepname:** JobStepname = [dropdown] [text field]
- Proclib (called):** Proclib (called) = [dropdown] [text field]
- Calling Procedure:** Calling Procedure = [dropdown] [text field]
- Proclib (calling):** Proclib (calling) = [dropdown] [text field]

At the bottom of the dialog, there are three more rows of selection criteria:

- RLSTMOU1 = [dropdown] [text field]
- JCL-Lib = [dropdown] [text field]
- Member = [dropdown] [text field]

At the bottom right, there are three buttons: "OK", "Actions" (with a dropdown arrow), and "Cancel".

Two callout boxes provide additional information:

- A callout pointing to the "Jobname" label says: "If you want more fields, click left on „Jobname“"
- A callout pointing to the "OR" dropdowns says: "If you like to repeat a complex selection ..."

PC Client - SAVE and LOAD Selection (2)

The image shows a screenshot of the 'JCL - EXEC Statements' dialog box. The dialog contains various fields for filtering JCL statements, such as Jobname, Stepnumber, Type (PROC/PGM), Programname, ProcStepname, Procedurename, Proc found (Y/N), JobStepname, Proclib (called), Calling Procedure, Proclib (calling), and Programname (orig.). There are also fields for PARM, REGION (KB), and TIME. A 'Save Filter As' sub-dialog is open, showing the 'Filter name' field with the text 'PDB38*'. A context menu is also visible, with the 'Save Filter As...' option highlighted in yellow. A blue arrow points from the 'Save Filter As...' option in the context menu to the 'Save Filter As' sub-dialog. A dark blue speech bubble contains the text: '... use "Save Filter As" to save it for later usage ...'. The 'Save Filter As...' option in the context menu is also enclosed in a red rectangular box.

... use "Save Filter As" to save it for later usage ...

- Reset
- Show SQL
- Load Filter...
- Save Filter
- Save Filter As...**
- Create shortcut...
- Create selection file...

PC Client - SAVE and LOAD Selection (3)

The image shows a screenshot of the PC Client software interface. On the left, there is a panel titled "JCL - EXEC Statements" with various fields for job parameters, each with a dropdown menu and an equals sign. The fields include Jobname, Stepnumber, Type (PROC/PGM), Programname, ProcStepname, Procedurename, Proc found (Y/N), JobStepname, Proclib (called), Calling Procedure, Proclib (calling), Programname (orig.), PARM, and REGION (KB). In the center, a "Load Filter" dialog box is open, displaying a list of filters with "PDB38*" selected. Below the list are "OK", "Delete", and "Cancel" buttons. At the bottom, a context menu is open over a filter, with "Load Filter..." highlighted. A red box highlights the context menu, and a blue arrow points from a speech bubble to the "Load Filter..." option. The speech bubble contains the text "... and reload it later with 'Load Filter'".

JCL - EXEC Statements

Jobname =

Stepnumber =

Type (PROC/PGM) =

Programname =

ProcStepname =

Procedurename =

Proc found (Y/N) =

JobStepname =

Proclib (called) =

Calling Procedure =

Proclib (calling) =

Programname (orig.) =

PARM =

REGION (KB) =

Load Filter

PDB38*

OK Delete Cancel

RLSTMOUT =

JCL-Lib =

Member =

OK

Load Filter...

Save Filter

Save Filter As...

Create shortcut...

Create selection file...

... and reload it later with "Load Filter"

PC Client - SAVE and LOAD SQL (1)

The image shows a screenshot of the 'JCL - EXEC Statements' dialog box. The dialog is divided into several sections. On the left, there are fields for Jobname, Stepnumber, Type (PROC/PGM), Programname, ProcStepname, Procedurename, Proc found (Y/N), JobStepname, Proclib (called), Calling Procedure, Proclib (calling), Programname (orig.), and PARM. Each field has a dropdown menu with an equals sign. The Jobname field is populated with 'PDB38*', 'XXTRGB', and 'SYS'. In the center, there are fields for REGION (KB), TIME, COND, ACCT, ADDRSPC, CCSID, DPRTY, and DYNAMNBR, each with a dropdown menu and an equals sign. On the right, there are several empty text input fields. At the bottom right, there is an 'OK' button. A context menu is open over the 'Show SQL' option, which is highlighted in yellow. The menu items are: Reset, Show SQL, Load Filter..., Save Filter, Save Filter As..., Create shortcut..., and Create selection file... A dark blue speech bubble with white text points to the 'Show SQL' option.

JCL - EXEC Statements

Jobname = PDB38* OR
= XXTRGB OR
= SYS

Stepnumber =
Type (PROC/PGM) =
Programname =
ProcStepname =
Procedurename =
Proc found (Y/N) =
JobStepname =
Proclib (called) =
Calling Procedure =
Proclib (calling) =
Programname (orig.) =
PARM =

REGION (KB) =
TIME =
COND =
ACCT =
ADDRSPC =
CCSID =
DPRTY =
DYNAMNBR =

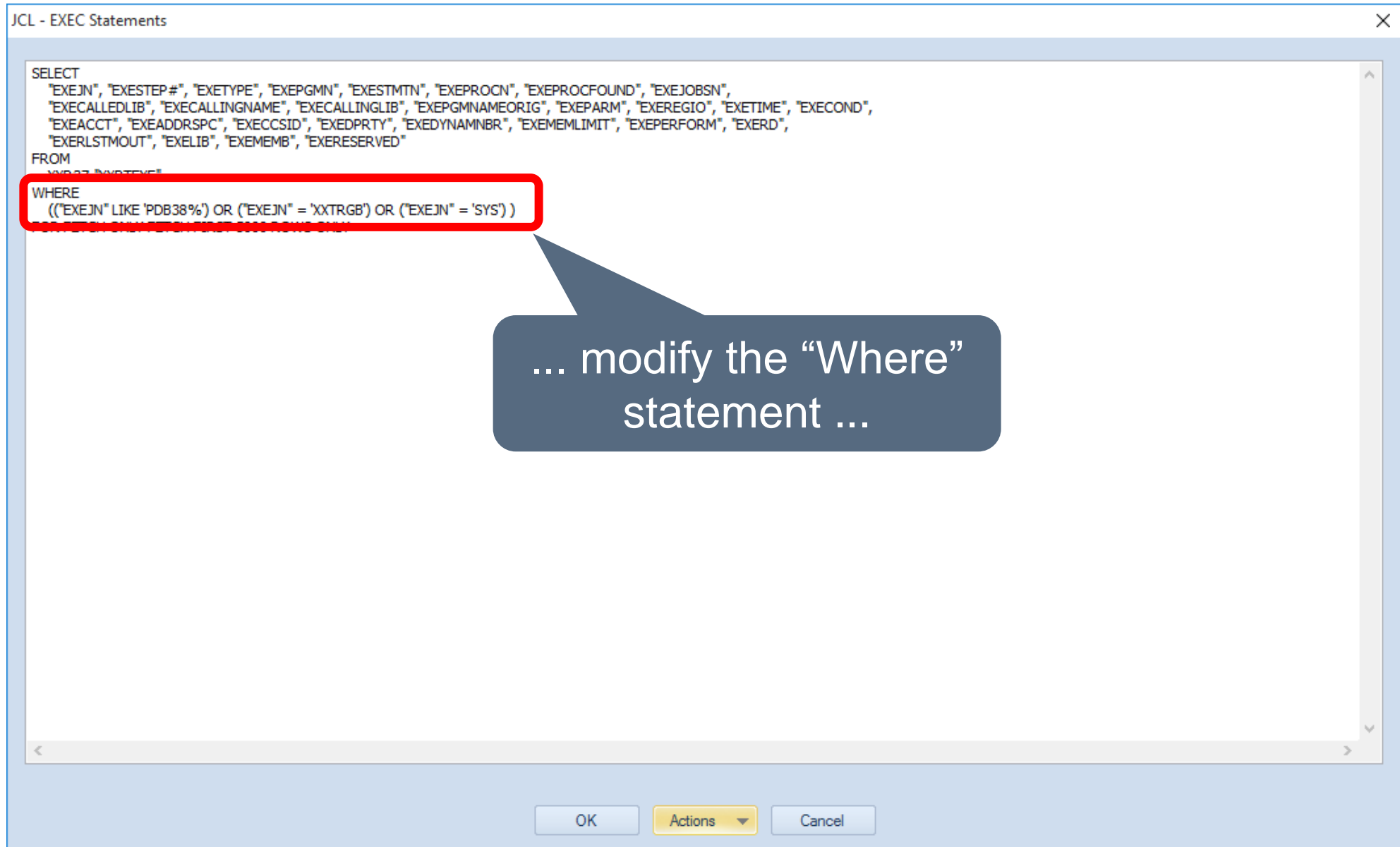
Member =

OK

Reset
Show SQL
Load Filter...
Save Filter
Save Filter As...
Create shortcut...
Create selection file...

If you like to see (and modify) SQL generated by XINFO

PC Client - SAVE and LOAD SQL (2)



The screenshot shows a dialog box titled "JCL - EXEC Statements" with a close button in the top right corner. The main area contains a text editor with the following SQL code:

```
SELECT  
"EXEJN", "EXESTEP#", "EXETYPE", "EXEPGMN", "EXESTMTN", "EXEPROCN", "EXEPROCFOUND", "EXEJOBSN",  
"EXECALLEDLIB", "EXECALLINGNAME", "EXECALLINGLIB", "EXEPGMNAMEORIG", "EXEPARM", "EXEREGIO", "EXETIME", "EXECOND",  
"EXEACCT", "EXEADDRSPC", "EXECCSID", "EXEDPRTY", "EXEDYNAMNBR", "EXEMEMLIMIT", "EXEPERFORM", "EXERD",  
"EXERLSTMOUT", "EXELIB", "EXEMEMB", "EXERESERVED"  
FROM  
"XTRGB" "XTRGB"  
WHERE  
(("EXEJN" LIKE 'PDB38%') OR ("EXEJN" = 'XXTRGB') OR ("EXEJN" = 'SYS'))
```

The "WHERE" clause is highlighted with a red rectangular box. A dark blue callout bubble with a white border points from the box to the text "... modify the 'Where' statement ...". At the bottom of the dialog box, there are three buttons: "OK", "Actions" (with a dropdown arrow), and "Cancel".

PC Client - SAVE and LOAD SQL (3)

The screenshot shows a 'JCL - EXEC Statements' dialog box containing a SQL query. A 'Save SQL As' sub-dialog box is open, with the 'Filter name' field containing 'PDB38*'. A context menu is open over the 'Action' button, with 'Save SQL As...' highlighted by a red rectangle. A blue callout box with the text '... save the SQL to a file ...' points to the 'Save SQL As...' option. A large blue arrow points from the 'Save SQL As...' option up to the 'Save SQL As' dialog box.

```
SELECT  
"EXEJN", "EXESTEP#", "EXETYPE", "EXEPGMN", "EXESTMTN", "EXEPROCN", "EXEPROCFFOUND", "EXEJOBSN",  
"EXECALLEDLIB", "EXECALLINGNAME", "EXECALLINGLIB", "EXEPGMNAMEORIG", "EXEPARM", "EXEREGIO", "EXETIME", "EXECOND",  
"EXEACCT", "EXEADDRSPC", "EXECCSID", "EXEDPRTY", "EXEDYNAMNBR", "EXEMEMLIMIT", "EXEPERFORM", "EXERD",  
"EXERLSTMOUT", "EXELIB", "EXEMEMB", "EXERESERVED"  
FROM  
  XXR37.XXRTEXE  
WHERE  
  (("EXEJN" LIKE 'PDB38%') OR ("EXEJN" = 'XXTRGB') OR ("EXEJN" = 'SYS'))  
FOR FETCH ONLY FETCH FIRST 5000 ROWS ONLY
```

Save SQL As

Filter name: PDB38*

OK Cancel

OK Action Cancel

- Reset
- Show Filter
- Load SQL...
- Save SQL...
- Save SQL As...**
- Create SQL file...

... save the SQL to a file ...

PC Client - SAVE and LOAD SQL (3)

The screenshot displays a software interface with two windows. The background window, titled 'JCL - EXEC Statements', contains a SQL query:

```
SELECT "EXEJN", "EXESTEP#", "EXETYPE", "EXECALLEDLIB", "EXECALLINGNAME", "EXEACCT", "EXEADDRSPC", "EXECCS", "EXERLSTMOUT", "EXELIB", "EXEMEM" FROM XXR37."XRTEXE" WHERE (("EXEJN" LIKE 'PDB38%') OR ("EXEJN" LIKE 'PDB38%')) FOR FETCH ONLY FETCH FIRST 5000 ROWS ONLY
```

. The foreground window, titled 'Load SQL', features a 'Filter' field with the text 'PDB38*'. Below the dialog, a context menu is visible with the following items: 'Reset', 'Show Filter', 'Load SQL...', 'Save SQL', 'Save SQL As...', and 'Create SQL file...'. The 'Load SQL...' option is highlighted with a red rectangular box. A blue arrow points from this box to the 'Load SQL' dialog. A dark blue speech bubble with white text says '... and reload it later with "Load SQL"'. The 'Load SQL' dialog has 'OK' and 'Cancel' buttons at the bottom.

PC Client - SAVE and LOAD Summary

```
selection - Editor
Datei Bearbeiten Format Ansicht ?
JCLEXECSTATEMENTS
JCLEXECSTATEMENTS_JOBNAME=99
JCLEXECSTATEMENTS_JOBNAME_00=EQPDB38*
JCLEXECSTATEMENTS_JOBNAME_01=OR
JCLEXECSTATEMENTS_JOBNAME_02=EQXXTRGB
JCLEXECSTATEMENTS_JOBNAME_03=OR
JCLEXECSTATEMENTS_JOBNAME_04=EQSYS
JCLEXECSTATEMENTS_JOBNAME_05=OR
```



Please note: There are two different file types: Selection and SQL!

JCL - EXEC Statements

| | | | | |
|--------------------|---|--------|----|---|
| Jobname | = | PDB38* | OR | = |
| | = | XXTRGB | OR | = |
| | = | SYS | OR | = |
| | = | | | = |
| Stepnumber | = | | | = |
| Type (PROC/PGM) | = | | | = |
| Programname | = | | | = |
| ProcStepname | = | | | = |
| Procedurename | = | | | = |
| Proc found (Y/N) | = | | | = |
| JobStepname | = | | | = |
| Proclib (called) | = | | | = |
| Calling Procedure | = | | | = |
| Proclib (calling) | = | | | = |
| Programname (orig) | = | | | = |
| PARAM | = | | | = |
| REGION (KB) | = | | | = |
| TIME | = | | | = |
| Member | = | | | = |

OK Actions Cancel

```
sql - Editor
Datei Bearbeiten Format Ansicht ?
DSPLTEXE
SELECT "EXEJN", "EXESTEP#", "EXETYPE", "EXEPGMN", "EXESTMTN", "EXEPROCN",
"EXEPROCFOUND", "EXEJOBSN", "EXECALLEDLIB", "EXECALLINGNAME", "EXECALLINGLIB",
"EXEPGMNAMEORIG", "EXEPARM", "EXEREGIO", "EXETIME", "EXECOND", "EXEACCT",
"EXEADDRSPC", "EXECCSID", "EXEDPRTY", "EXEDYNAMNBR", "EXEMEMLIMIT", "EXEPERFORM",
"EXERD", "EXERLSTMOUT", "EXELIB", "EXEMEMB", "EXERESERVED"
FROM XXR37."XXRTEXE"
WHERE (("EXEJN" LIKE 'PDB38%')
OR ("EXEJN" = 'XXTRGB')
OR ("EXEJN" = 'SYS'))
FOR FETCH ONLY
```



JCL - EXEC Statements

```
SELECT
"EXEJN", "EXESTEP#", "EXETYPE", "EXEPGMN", "EXESTMTN", "EXEPROCN", "EXEPROCFOUND", "EXEJOBSN",
"EXECALLEDLIB", "EXECALLINGNAME", "EXECALLINGLIB", "EXEPGMNAMEORIG", "EXEPARM", "EXEREGIO", "EXETIME", "EXECOND",
"EXEACCT", "EXEADDRSPC", "EXECCSID", "EXEDPRTY", "EXEDYNAMNBR", "EXEMEMLIMIT", "EXEPERFORM", "EXERD",
"EXERLSTMOUT", "EXELIB", "EXEMEMB", "EXERESERVED"
FROM
XXR37."XXRTEXE"
WHERE
(("EXEJN" LIKE 'PDB38%') OR ("EXEJN" = 'XXTRGB') OR ("EXEJN" = 'SYS'))
FOR FETCH ONLY
```

OK Actions Cancel

PC Client - RESET ENTRIES (1)

JCL - EXEC Statements

Jobname = PDB38* OR
= XXTRGB OR
= SYS

Stepnumber =
Type (PROC/PGM) =
Programname =
ProcStep =
Procedu =
Proc fou =
JobStepname =
Proclib (called) =
Calling Procedure =
Proclib (calling) =
Programname (orig.) =
PARM =

REGION (KB) =
TIME =
COND =
ACCT =
ADDRSPC =
CCSID =
DPRTY =
DYNAMNBR =
MEMLIMIT =
PERFORM =
RD (Restart Def.) =
Member =

If you want to reset your entries ...

click on "Actions" ...

OK Actions Cancel

PC Client - RESET ENTRIES (2)

The screenshot shows the 'JCL - EXEC Statements' dialog window. It contains two columns of filter criteria. The left column includes fields for Jobname, Stepnumber, Type (PROC/PGM), Programname, ProcStepname, Procedurename, Proc found (Y/N), JobStepname, Proclib (called), Calling Procedure, Proclib (calling), Programname (orig.), and PARM. The right column includes fields for REGION (KB), TIME, COND, ACCT, ADDRSPC, CCSID, DPRTY, DYNAMNBR, MEMLIMIT, PERFORM, RD (Restart Def.), RLSTMOUT, JCL-Lib, and Member. Each field has a dropdown menu and a text input box. A context menu is open over the 'MEMLIMIT' field, with the 'Reset' option highlighted. A speech bubble containing the text 'Reset ...' points to the 'Reset' option in the menu. The menu also includes options for 'Show SQL', 'Load Filter...', 'Save Filter', 'Save Filter As...', 'Create shortcut...', and 'Create selection file...'. An 'OK' button is visible at the bottom of the dialog.

PC Client - RESET ENTRIES (3)

JCL - EXEC Statements

| | | | | | |
|---------------------|---|--|-------------------|---|--|
| Jobname | = | | TIME | = | |
| Stepnumber | = | | COND | = | |
| Type (PROC/PGM) | = | | ACCT | = | |
| Programname | = | | ADDRSPC | = | |
| ProcStepname | = | | CCSID | = | |
| Procedurename | = | | DPRTY | = | |
| Proc found (Y/N) | = | | DYNAMNBR | = | |
| JobStepname | = | | MEMLIMIT | = | |
| Proclib (called) | = | | PERFORM | = | |
| Calling Procedure | = | | RD (Restart Def.) | = | |
| Proclib (calling) | = | | RLSTMOUT | = | |
| Programname (orig.) | = | | JCL-Lib | = | |
| PARM | = | | | = | |
| REGION (KB) | = | | | = | |

OK Actions Cancel

All fields are now empty

PC Client - SHORTCUTS (1)

The screenshot shows the 'TWS z/OS - Job Run Times' dialog window. The 'Workspace Tree' on the left has 'Job Run Times' selected. The main area contains a list of fields with dropdown menus and text boxes. A callout bubble points to the 'Job Start Time' field, which is set to 'YESTERDAY'. Another callout bubble points to the 'Actions' menu, where 'Create shortcut...' is highlighted.

| Field | Operator | Value | Format |
|---------------------|----------|-----------|---------------------|
| Jobname | = | | |
| Application ID | = | | |
| Workstation | = | | |
| Operation No. | = | | |
| Job Start Time | >= | YESTERDAY | DD.MM.YYYY,HH:MM:SS |
| Job End Time | <= | TODAY | DD.MM.YYYY,HH:MM:SS |
| Duration | = | | HH:MM:SS |
| Duration in Minutes | = | | |
| Status | = | E | |
| Error Code | = | | |
| Duration valid | = | | |
| Input Arrival Day | = | | DD.MM.YYYY |
| Input Arrival Time | = | | |
| Jesname | = | | |
| Auto recovery | = | | |
| Owner | = | | |
| Subsystem | = | | |

If you use a selection often, create a shortcut to save it and use it everytime you need it.

... click Actions and then "Create shortcut"

PC Client - SHORTCUTS (2)

The screenshot displays the XINFO PC Client interface. A 'Create shortcut' dialog box is open, prompting the user to 'Enter a name of the new shortcut'. The text 'daily job run times' is entered into the input field and is highlighted with a red rectangular border. A callout bubble with a dark blue background and white text points to the input field, stating: '... and type in the name of your shortcut.' The background shows the software's main window with a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a 'Workspace Tree' on the left side. The 'Workspace Tree' lists various objects such as Workstations, Calendar, and Job Run Times. The 'Job Run Times' object is highlighted in yellow. The 'Create shortcut' dialog box has 'OK' and 'Cancel' buttons at the bottom.

PC Client - SHORTCUTS (3)

The screenshot displays the PC Client interface. On the left, the 'Shortcuts' panel is active, showing a list of shortcuts including 'daily job run times'. A callout bubble points to the 'Shortcuts' menu item, stating: 'Shortcuts can be displayed in "Menu" - "View"'. Another callout bubble points to the 'daily job run times' shortcut, stating: 'Doubleclick to execute your selection'. On the right, the 'XINF TWS z/OS - Job Run Times' dialog box is open, featuring a grid of input fields for job parameters such as Jobname, Application ID, Workstation, Operation No., Job Start Time, Job End Time, Duration, Duration in Minutes, Status, Error Code, Duration valid, Input Arrival Day, Input Arrival Time, Jesname, Auto recovery, Owner, and Subsystem. Each field has a dropdown menu and a text input area. The dialog box includes 'OK', 'Actions', and 'Cancel' buttons at the bottom.

PC Client - CUT and PASTE (1)

The screenshot shows the XINFO PC Client interface with the 'JCL - EXEC Statements' window open. The window displays a table of job execution details. A callout box highlights the value 'MARGINS(1 72)' in the PARM column of the selected row.

| Jobname | SNr | Type | Program | ProcStep | Procedur | F | JobStep | Proclib (called) | CallingP | PLg | Prg-Orig | PARM |
|----------|-------|-------|---------|----------|----------|-------|---------|-------------------------|----------|-------|----------|--|
| <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> | <all> |
| XXRJASM | 4 | PROC | | | XXRJSORT | Y | SORTAS1 | SYSH.XINFO.V3R7.PROCLIB | | | | |
| XXRJASM | 4 | PGM | SORT | SORT | XXRJSORT | | SORTAS1 | SYSH.XINFO.V3R7.PROCLIB | | | SORT | |
| XXRJASM | 5 | PROC | | | XXRJUNC | Y | DELSQL | SYSH.XINFO.V3R7.PROCLIB | | | | |
| XXRJASM | 5 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELSQL | SYSH.XINFO.V3R7.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMU | 1 | PROC | | | XXRJUNC | Y | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | | |
| XXRJASMU | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R6.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMU | 2 | PGM | XXRIASM | | | | SCAN | | | | XXRIASM | 'RPTOPT(OFF)' |
| XXRJASMU | 3 | PGM | XXRCSQL | | | | SCANSQL | | | | XXRCSQL | 'RPTOPT(OFF)' |
| XXRJASMU | 4 | PROC | | | | | | | | | | |
| XXRJASMU | 4 | PGM | SORT | | | | | | | | SORT | |
| XXRJASMU | 5 | PROC | | | XXRJUNC | Y | DELSQL | SYSH.XINFO.V3R6.PROCLIB | | | | |
| XXRJASMU | 5 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELSQL | SYSH.XINFO.V3R6.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMU | 6 | PGM | XXRITGN | | | | UPDDB2 | | | | XXRITGN | 'RPTOPT(OFF)';/MODE=UPDATE,MSGLEVEL=1' |
| XXRJASMU | 1 | PROC | | | XXRJUNC | Y | DELETE | SYSH.XINFO.V3R7.PROCLIB | | | | |
| XXRJASMU | 1 | PGM | IDCAMS | IDCAMS | XXRJUNC | | DELETE | SYSH.XINFO.V3R7.PROCLIB | | | IDCAMS | 'MARGINS(1 72)' |
| XXRJASMU | 2 | PGM | XXRIASM | | | | SCAN | | | | XXRIASM | 'RPTOPT(OFF)' |
| XXRJASMU | 3 | PGM | XXRCSQL | | | | SCANSQL | | | | XXRCSQL | 'RPTOPT(OFF)' |
| XXRJASMU | 4 | PROC | | | XXRJSORT | Y | SORTAS1 | SYSH.XINFO.V3R7.PROCLIB | | | | |

Left double click on the value

Connected as: P392E, file: XX37T#25

Lines: 4077

PC Client - CUT and PASTE (2)

| Name | Value |
|---------------------|-------------------------|
| Jobname | XXRJASM |
| Stepnumber | 5 |
| Type (PROC/PGM) | PGM |
| Programname | IDCAMS |
| ProcStepname | IDCAMS |
| Procedurename | XXRJUNC |
| Proc found (Y/N) | |
| JobStepname | DFSQL |
| Proclib (called) | SYSH.XINFO.V3R7.PROCLIB |
| Calling Procedure | |
| Proclib (calling) | |
| Programname (orig.) | |
| PARM | '1 72' |
| REGION (KB) | |
| TIME | |
| COND | |
| ACCT | |
| ADDRSPC | |
| CCSID | |
| DPRTY | |
| DYNAMNBR | |
| MEMLIMIT | |
| PERFORM | |
| RD (Restart Def.) | |
| RLSTMOUT | |
| JCL-Lib | SYSH.XINFO.V3R7.CNTL |
| Member | XXRJASM |
| Additional Info | |

If you like to copy that value into the clipboard ...

OK Copy Print... Save As...

PC Client - CUT and PASTE (3)

The screenshot shows a 'Details' dialog window with a table of job details. The 'Procedurename' field is selected, and a context menu is open with 'Kopieren' (Copy) highlighted. A callout box explains the next step: '... then mark the value with the left mouse and click right and then Copy or use Ctrl + C'.

| Name | Value |
|---------------------|---------|
| Jobname | XXRJASM |
| Stepnumber | 5 |
| Type (PROC/PGM) | PGM |
| Programname | IDCAMS |
| ProcStepname | IDCAMS |
| Procedurename | XXRJUNC |
| Proc found (Y/N) | |
| JobStepname | DEL |
| Proclib (called) | SYS |
| Calling Procedure | |
| Proclib (calling) | |
| Programname (orig.) | IDCA |
| PARM | 'MAF |
| REGION (KB) | |
| TIME | |
| COND | 4.LT |
| ACCT | |
| ADDRSPC | |

Member: XXRJASM
Additional Info:

Buttons: OK, Copy, Print..., Save As...

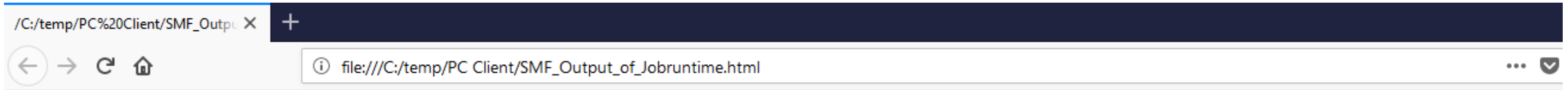
... then mark the value with the left mouse and click right and then Copy or use Ctrl + C

PC Client - Batch Interface (BIF)

The BIF interface allows you to create automatically files, e.g. to provide information for special user groups, e.g. specialist department.

- HTML
- Excel
- Txt
- VMF for the WebViewer
- JPG, GIF, PCX, BMP etc.

PC Client - Why BIF?



SMF - Jobruntime Barchart

| Client | Environment | Jobname | Jesname | Syst | RC | Start-Time | End-Time | Durat. | Wait | CPU-T. | EXCP | W.-Enq | W.-Dev | Owner | Submit Time |
|--------|-------------|----------|----------|------|---------|----------------------------|----------------------------|--------|------|--------|------|--------|--------|-------|----------------------------|
| | | X40JCM11 | JOB75572 | S0W1 | | 2018-09-07-01:00:53.280000 | 2018-09-07-01:03:18.530000 | 145 | 3 | 2 | 2698 | 135 | 2 | TXGC | 2018-09-07-01:00:50.630000 |
| | | X40JCM12 | JOB75573 | S0W1 | | 2018-09-07-01:01:19.750000 | 2018-09-07-01:01:48.950000 | 29 | 27 | 3 | 7489 | 0 | 3 | TXGC | 2018-09-07-01:00:52.290000 |
| | | X40JCM21 | JOB75578 | S0W1 | CC 0004 | 2018-09-07-01:02:10.020000 | 2018-09-07-01:02:31.120000 | 21 | 22 | 1 | 1737 | 0 | 5 | TXGC | 2018-09-07-01:01:47.650000 |
| | | X40JCM22 | JOB75581 | S0W1 | CC 0004 | 2018-09-07-01:04:05.420000 | 2018-09-07-01:04:13.720000 | 8 | 8 | 1 | 1527 | 0 | 2 | TXGC | 2018-09-07-01:03:57.720000 |
| | | X40JMMM | JOB75588 | S0W1 | | 2018-09-07-01:05:33.860000 | 2018-09-07-01:05:49.230000 | 15 | 1 | 1 | 2223 | 0 | 3 | TXGC | 2018-09-07-01:05:33.150000 |
| | | X40JCM3 | JOB75598 | S0W1 | | 2018-09-07-01:07:57.110000 | 2018-09-07-01:08:03.480000 | 6 | 1 | 0 | 439 | 0 | 2 | TXGC | 2018-09-07-01:07:56.550000 |
| | | X40JCM51 | JOB75602 | S0W1 | CC 0008 | 2018-09-07-01:09:27.250000 | 2018-09-07-01:09:48.540000 | 21 | 3 | 1 | 2166 | 0 | 1 | TXGC | 2018-09-07-01:09:24.490000 |
| | | X40JCM52 | JOB75603 | S0W1 | | 2018-09-07-01:09:56.990000 | 2018-09-07-01:10:09.120000 | 12 | 28 | 1 | 1317 | 0 | 2 | TXGC | 2018-09-07-01:09:29.360000 |
| | | X40JCM62 | JOB75604 | S0W1 | CC 0004 | 2018-09-07-01:10:15.140000 | 2018-09-07-01:10:18.250000 | 3 | 13 | 0 | 364 | 0 | 1 | TXGC | 2018-09-07-01:10:01.980000 |
| | | X40JCM61 | JOB75605 | S0W1 | CC 0004 | 2018-09-07-01:10:31.300000 | 2018-09-07-01:10:33.970000 | 3 | 8 | 0 | 266 | 0 | 0 | TXGC | 2018-09-07-01:10:22.850000 |
| | | X40JCMF | JOB75607 | S0W1 | | 2018-09-07-01:10:48.160000 | 2018-09-07-01:10:50.550000 | 2 | 2 | 1 | 465 | 0 | 0 | TXGC | 2018-09-07-01:10:45.930000 |

How can I create this table automatically?

PC Client - Batch Interface (BIF)

In the case of automatic processing using BIF, all information that would normally have to be entered manually in the dialog, must be provided.

- 1) Enter selection criteria and save them as a file.
- 2) Enter logon data and save them as a file.
- 3) Create BIF file.

PC Client - Batch Interface (BIF)

XINFO PC Client

SMF - Jobruntime Barchart

| | | | |
|--------------------|---|--------------------|---------------------|
| Jobname | = | | |
| Owner | = | | |
| Jesname | = | | |
| System ID | = | | |
| Return-Code | = | NOT NULL | |
| Submit Time | = | | YYYY-MM-DD-HH:MM:SS |
| Start Time | = | YESTERDAY-18:00:00 | YYYY-MM-DD-HH:MM:SS |
| End Time | = | | YYYY-MM-DD-HH:MM:SS |
| Duration (sec) | = | | |
| Wait for Initiator | = | | |
| CPU-Time (sec) | = | | |
| EXCP | = | | |
| Waits for Enqueue | = | | |
| Waits for Device | = | | |

1) Selection criteria:
Return code ist not null and all jobs since yesterday 6 p.m.

OK Actions Cancel

PC Client - Batch Interface (BIF)

SMF - Jobruntime Barchart

| | | | |
|--------------------|----------|--------------------|---------------------|
| Jobname | = | | |
| Owner | = | | |
| Jesname | = | | |
| System ID | = | | |
| Return-Code | NOT NULL | | |
| Submit Time | = | | YYYY-MM-DD-HH:MM:SS |
| Start Time | = | YESTERDAY-18:00:00 | YYYY-MM-DD-HH:MM:SS |
| End Time | = | | YYYY-MM-DD-HH:MM:SS |
| Duration (sec) | = | | |
| Wait for Initiator | = | | |
| CPU-Time (sec) | = | | |
| EXCP | = | | |
| Waits for Enqueue | = | | |
| Waits for Device | = | | |

2) Create selection file.

- Actions
- Reset
 - Show SQL
 - Load Filter...
 - Save Filter
 - Save Filter As...
 - Create shortcut...
 - Create selection file...**

Create selection file

« Lokaler Datenträger (C:) » temp » PC Client

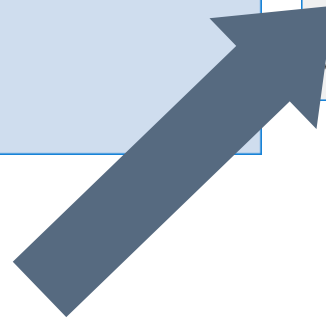
"PC Client" durchsuchen

| Name | Änderungsdatum | Typ |
|--------------------|------------------|-----------|
| SMF_Jobruntime.sel | 06.09.2018 16:52 | SEL-Datei |

Dateiname: selection.sel

Dateityp: SEL - Selection file (*.sel)

Speichern Abbrechen



PC Client - Batch Interface (BIF)

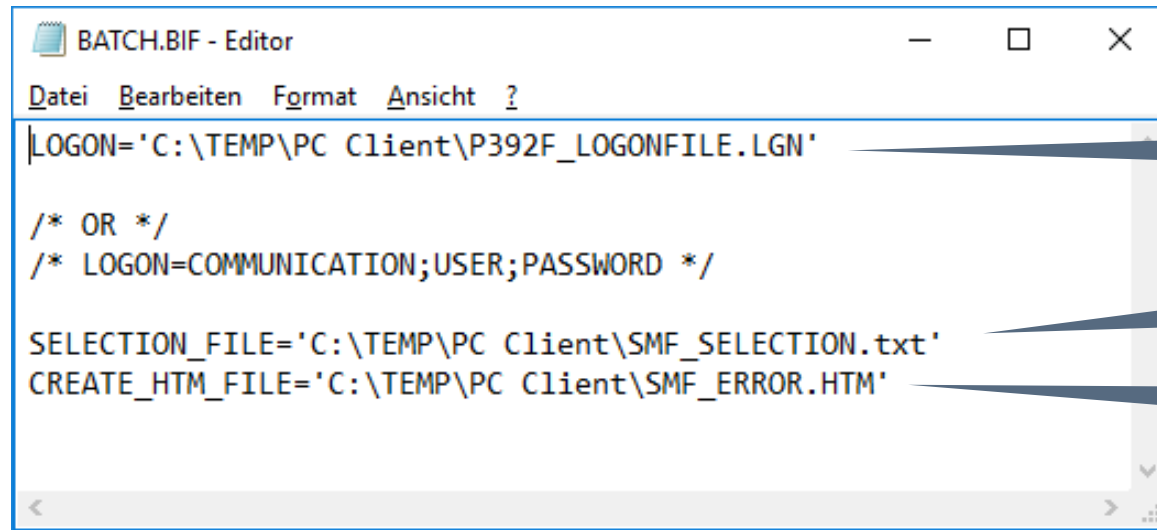
The screenshot shows the XINFO PC Client interface. The 'Logon' button in the top-left toolbar is highlighted with a callout: "Click on Logon ...". Below it, the 'Logon' dialog box is open, with fields for 'Configuration file' (XX40T#25), 'User Id' (P392F), and 'Password' (masked with dots). A 'Create LGN' button is highlighted with a callout: "... enter data and click on 'Create LGN'". To the right, the 'Create logon file' file explorer window is open, showing the file 'P392F.lgn' in the 'temp > PC Client' directory. The 'Dateiname' field is set to 'P392F.lgn' and the 'Dateityp' is 'LGN - Logon file (*.lgn)'. The 'Speichern' (Save) button is highlighted with a callout: "3) Save login data: encryption of user & password".

Click on Logon ...

... enter data and click on "Create LGN"

3) Save login data: encryption of user & password

PC Client - Batch Interface (BIF)



```
BATCH.BIF - Editor
Datei Bearbeiten Format Ansicht ?
LOGON='C:\TEMP\PC Client\P392F_LOGONFILE.LGN'
/* OR */
/* LOGON=COMMUNICATION;USER;PASSWORD */
SELECTION_FILE='C:\TEMP\PC Client\SMF_SELECTION.txt'
CREATE_HTM_FILE='C:\TEMP\PC Client\SMF_ERROR.HTM'
```

4) Create batch file

Login

Execution of selection

Storage of the output

More important BIF - Parameter:

- CLOSE (after CREATE_???_FILE, closes current window)
- CLOSE=LOG (closes the Batch monitor)
- CLOSE=ALL (closes all windows)
- EXIT (terminates XINFO)
- and more ... (see user manual)

PC Client - Batch Interface (BIF) - Open (1)

The screenshot displays the XINFO PC Client application window. The 'File' menu is open, with the 'Open...' option highlighted. A callout bubble points to this option with the text 'Click on File - Open ...'. An 'Open' dialog box is also open, showing the file 'BATCH.BIF' selected in a list. The dialog box shows the file name 'BATCH.BIF' and the file type 'Script (*.bif)'. A callout bubble points to the 'Öffnen' button with the text '... to open the created BIF file.'.

File

View

XINFO PC Client

Recent Documents

- 1 Automic.BIF
- 2 TWS z.dat

Click on File - Open ...

Open

« Lokaler Datenträger (C:) » temp » PC Client

"PC Client" durchsuchen

Organisieren Neuer Ordner

| Name | Änderungsdatum | Typ |
|-----------|------------------|-----------|
| BATCH.BIF | 06.09.2018 14:05 | BIF-Datei |

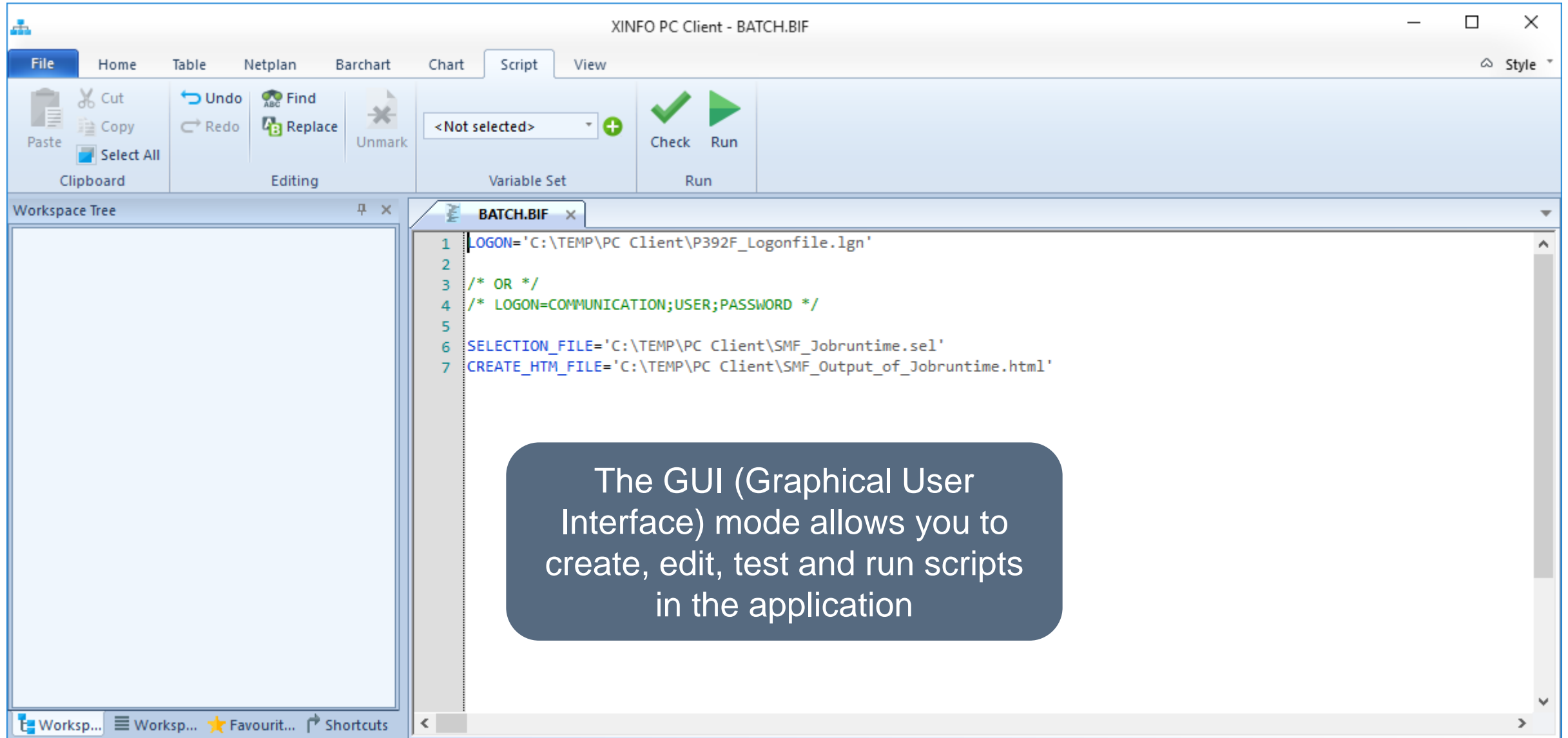
Dateiname: BATCH.BIF

Script (*.bif)

Öffnen Abbrechen

... to open the created BIF file.

PC Client - Batch Interface



The screenshot displays the XINFO PC Client - BATCH.BIF application window. The title bar reads "XINFO PC Client - BATCH.BIF". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The ribbon contains several groups: "Clipboard" (Paste, Cut, Copy, Select All), "Editing" (Undo, Redo, Find, Replace, Unmark), "Variable Set" (a dropdown menu showing "<Not selected>"), and "Run" (Check, Run). The main workspace is divided into a "Workspace Tree" on the left and a script editor on the right. The script editor shows the following code:

```
1 |LOGON='C:\TEMP\PC Client\P392F_Logonfile.lgn'  
2 |  
3 |/* OR */  
4 |/* LOGON=COMMUNICATION;USER;PASSWORD */  
5 |  
6 |SELECTION_FILE='C:\TEMP\PC Client\SMF_Jobruntime.sel'  
7 |CREATE_HTM_FILE='C:\TEMP\PC Client\SMF_Output_of_Jobruntime.html'
```

A dark blue callout box with white text is overlaid on the script editor, stating: "The GUI (Graphical User Interface) mode allows you to create, edit, test and run scripts in the application".

PC Client - Batch Interface - Check

The screenshot displays the XINFO PC Client - BATCH.BIF interface. The main window shows a script editor with the following content:

```
1 |LOGON='C:\TEMP\PC Client\P392F_Logonfile.lgn'  
2 |  
3 |/* OR */  
4 |/* LOGON=COMMUNICATION;USER;PASSWORD */  
5 |  
6 |SELECTION_FILE='C:\TEMP\PC Client\SMF_Jobruntime.sel'  
7 |CREATE_HTM_FILE='C:\TEMP\PC Client\SMF_Output_of_Jobruntime.html'
```

The 'Check' button, highlighted with a green checkmark, is located in the toolbar. A callout box points to it with the text: "You can check the BIF file with 'Check' before execution."

The Output window at the bottom shows the following message:

```
2018-09-07 11:18:05 S parsing started  
2018-09-07 11:18:05 S parsing finished, 3 commands found, errors: 0, warnings: 0
```

A red box highlights the second line of the output. A callout box at the bottom of the output window states: "No errors found".

PC Client - Batch Interface - Edit

The screenshot displays the XINFO PC Client - BATCH.BIF * application window. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View), a toolbar with icons for Cut, Copy, Paste, Undo, Redo, Find, Replace, Unmark, Check, and Run, and a Variable Set dropdown menu. The main workspace is divided into three panes: a Workspace Tree on the left, a script editor in the center, and an Output pane at the bottom. The script editor shows a batch script with the following content:

```
1 LOGON='C:\TEMP\PC Client\P392F_Logonfile.lgn'  
2  
3 /* OR */  
4 /* LOGON=COMMUNICATION;USER;PASSWORD */  
5  
6 SELECTION_FILE='C:\TEMP\PC Client\SMF_Jobruntime.sel'  
7 CREATE_JPG_FILE='C:\TEMP\PC Client\SMF_Output_of_Jobruntime.jpg'  
8 C
```

A dropdown menu is open over the script editor, listing various file creation options:

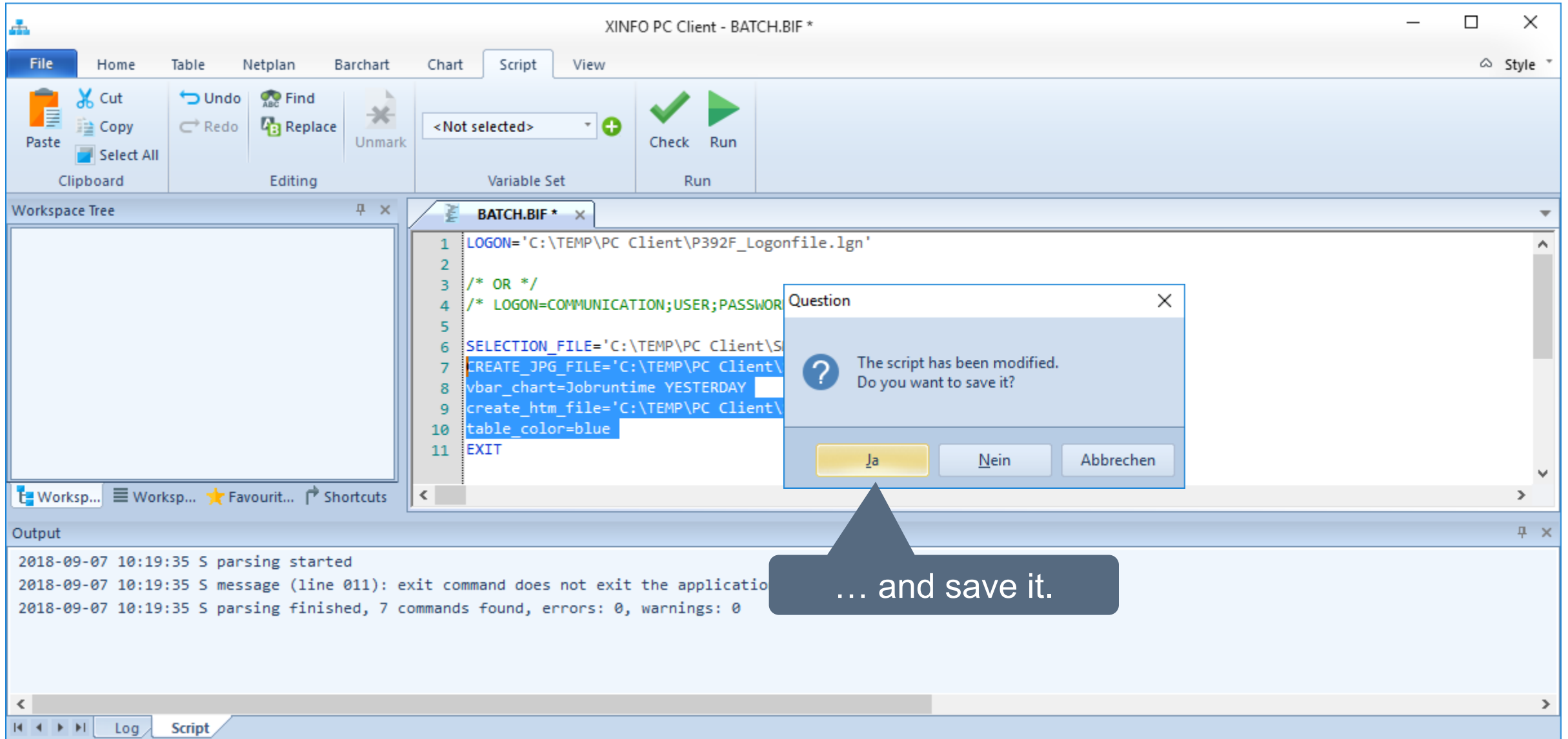
- close
- create_bmp_file
- create_csv_file
- create_dat_file
- create_emf_file
- create_htm_file
- create_jpg_file
- create_png_file
- create_tif_file
- create_txt_file

The Output pane shows the following log messages:

```
2018-09-07 10:19:35 S parsing started  
2018-09-07 10:19:35 S message (line 011): exit com  
2018-09-07 10:19:35 S parsing finished, 7 commands
```

A dark blue callout box with a white border and a pointer to the dropdown menu contains the text: "You can edit your script directly in the GUI ...".

PC Client - Batch Interface - Save



The screenshot shows the XINFO PC Client interface with the 'Script' tab active. The script editor contains the following code:

```
1 LOGON='C:\TEMP\PC Client\P392F_Logonfile.lgn'  
2  
3 /* OR */  
4 /* LOGON=COMMUNICATION;USER;PASSWORD */  
5  
6 SELECTION_FILE='C:\TEMP\PC Client\SELECTION_FILE'  
7 CREATE_JPG_FILE='C:\TEMP\PC Client\CREATE_JPG_FILE'  
8 vbar_chart=Jobruntime YESTERDAY  
9 create_htm_file='C:\TEMP\PC Client\create_htm_file'  
10 table_color=blue  
11 EXIT
```

A 'Question' dialog box is displayed in the foreground, asking: "The script has been modified. Do you want to save it?". The dialog has three buttons: 'Ja' (Yes), 'Nein' (No), and 'Abbrechen' (Cancel). A callout bubble points to the 'Ja' button with the text "... and save it.".

The Output window at the bottom shows the following log messages:

```
2018-09-07 10:19:35 S parsing started  
2018-09-07 10:19:35 S message (line 011): exit command does not exit the application  
2018-09-07 10:19:35 S parsing finished, 7 commands found, errors: 0, warnings: 0
```

PC Client - Batch Interface - Run

The screenshot displays the XINFO PC Client interface for running a Batch Interface File (BIF). The window title is "XINFO PC Client - BATCH.BIF *". The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a ribbon with various toolbars. The "Run" button, represented by a green play icon, is highlighted with a callout box that says "Now you can run the BIF file." The main workspace shows the content of the BATCH.BIF file, which contains the following commands:

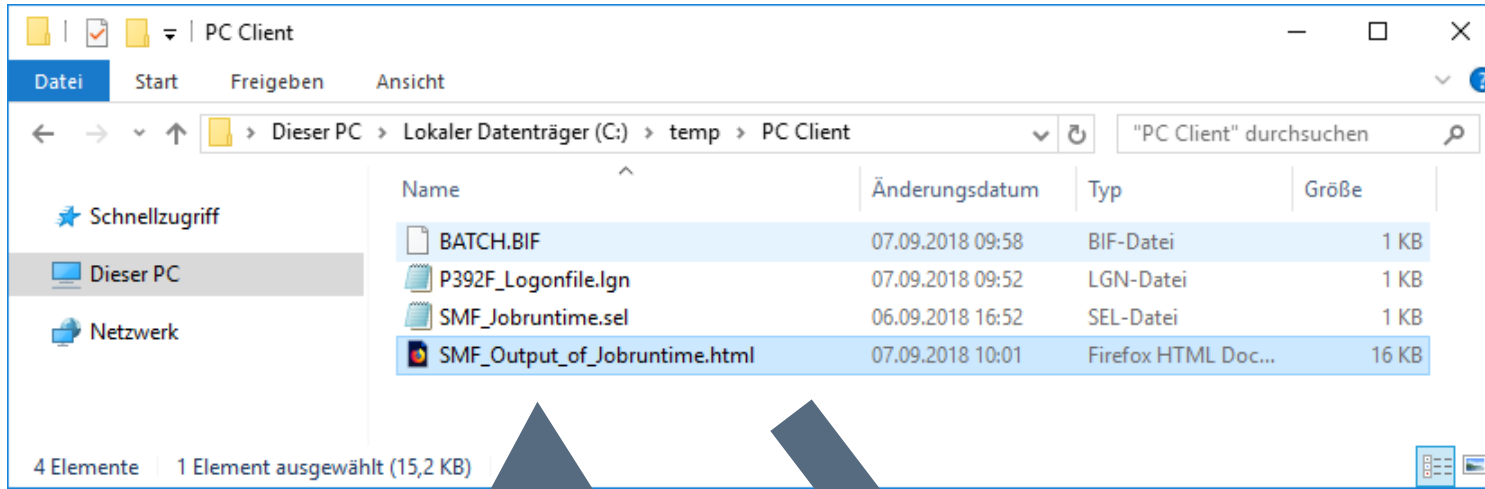
```
1 LOGON='C:\TEMP\PC Client\P392F_Logonfile.lgn'  
2  
3 /* OR */  
4 /* LOGON=COMMUNICATION;USER;PASSWORD */  
5  
6 SELECTION_FILE='C:\TEMP\PC Client\SMF_Jobruntime.sel'  
7 CREATE_HTM_FILE='C:\TEMP\PC Client\SMF_Output_of_Jobruntime.html'
```

Below the workspace is the "Output" window, which shows the execution log. A red box highlights the following messages:

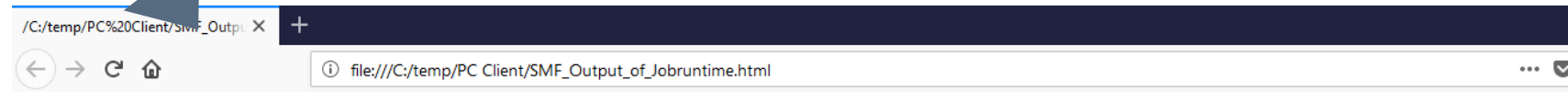
```
2018-09-07 11:16:51 S parsing finished, 3 commands found, errors: 0, warnings: 0  
2018-09-07 11:16:51 S script started  
2018-09-07 11:16:53 S message (line 001): connected as P392F file: XY40T#25  
2018-09-07 11:16:54 S message (line 006): document created (SMF - Jobruntime Barchart), records: 11  
2018-09-07 11:16:54 S message (line 007): HTM data have been written successfully  
2018-09-07 11:16:54 S script finished, result: TRUE
```

A callout box points to the highlighted output with the text "BIF file runs correctly".

PC Client - Batch Interface



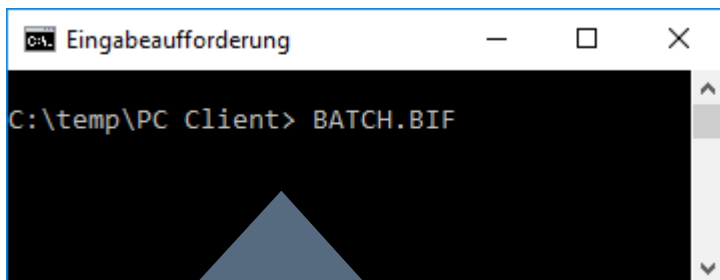
Double click to show file



SMF - Jobruntime Barchart

| Client | Environment | Jobname | Jesname | Syst | RC | Start-Time | End-Time | Durat. | Wait | CPU-T. | EXCP | W.-Enq | W.-Dev | Owner | Submit Time |
|--------|-------------|----------|----------|------|---------|----------------------------|----------------------------|--------|------|--------|------|--------|--------|-------|----------------------------|
| | | X40JCM11 | JOB75572 | SOW1 | | 2018-09-07-01:00:53.280000 | 2018-09-07-01:03:18.530000 | 145 | 3 | 2 | 2698 | 135 | 2 | TXGC | 2018-09-07-01:00:50.630000 |
| | | X40JCM12 | JOB75573 | SOW1 | | 2018-09-07-01:01:19.750000 | 2018-09-07-01:01:48.950000 | 29 | 27 | 3 | 7489 | 0 | 3 | TXGC | 2018-09-07-01:00:52.290000 |
| | | X40JCM21 | JOB75578 | SOW1 | CC 0004 | 2018-09-07-01:02:10.020000 | 2018-09-07-01:02:31.120000 | 21 | 22 | 1 | 1737 | 0 | 5 | TXGC | 2018-09-07-01:01:47.650000 |
| | | X40JCM22 | JOB75581 | SOW1 | CC 0004 | 2018-09-07-01:04:05.420000 | 2018-09-07-01:04:13.720000 | 8 | 8 | 1 | 1527 | 0 | 2 | TXGC | 2018-09-07-01:03:57.720000 |
| | | X40JCM3 | JOB75588 | SOW1 | | 2018-09-07-01:05:33.860000 | 2018-09-07-01:05:49.230000 | 15 | 1 | 1 | 2223 | 0 | 3 | TXGC | 2018-09-07-01:05:33.150000 |
| | | X40JCM51 | JOB75602 | SOW1 | CC 0008 | 2018-09-07-01:09:27.250000 | 2018-09-07-01:09:48.540000 | 21 | 3 | 1 | 2166 | 0 | 1 | TXGC | 2018-09-07-01:09:29.360000 |
| | | X40JCM52 | JOB75603 | SOW1 | | 2018-09-07-01:09:56.990000 | 2018-09-07-01:10:09.120000 | 12 | 28 | 1 | 1317 | 0 | 2 | TXGC | 2018-09-07-01:09:29.360000 |
| | | X40JCM61 | JOB75605 | SOW1 | CC 0004 | 2018-09-07-01:10:31.300000 | 2018-09-07-01:10:33.970000 | 3 | 8 | 0 | 266 | 0 | 0 | TXGC | 2018-09-07-01:10:22.850000 |
| | | X40JCMF | JOB75607 | SOW1 | | 2018-09-07-01:10:48.160000 | 2018-09-07-01:10:50.550000 | 2 | 2 | 1 | 465 | 0 | 0 | TXGC | 2018-09-07-01:10:45.930000 |

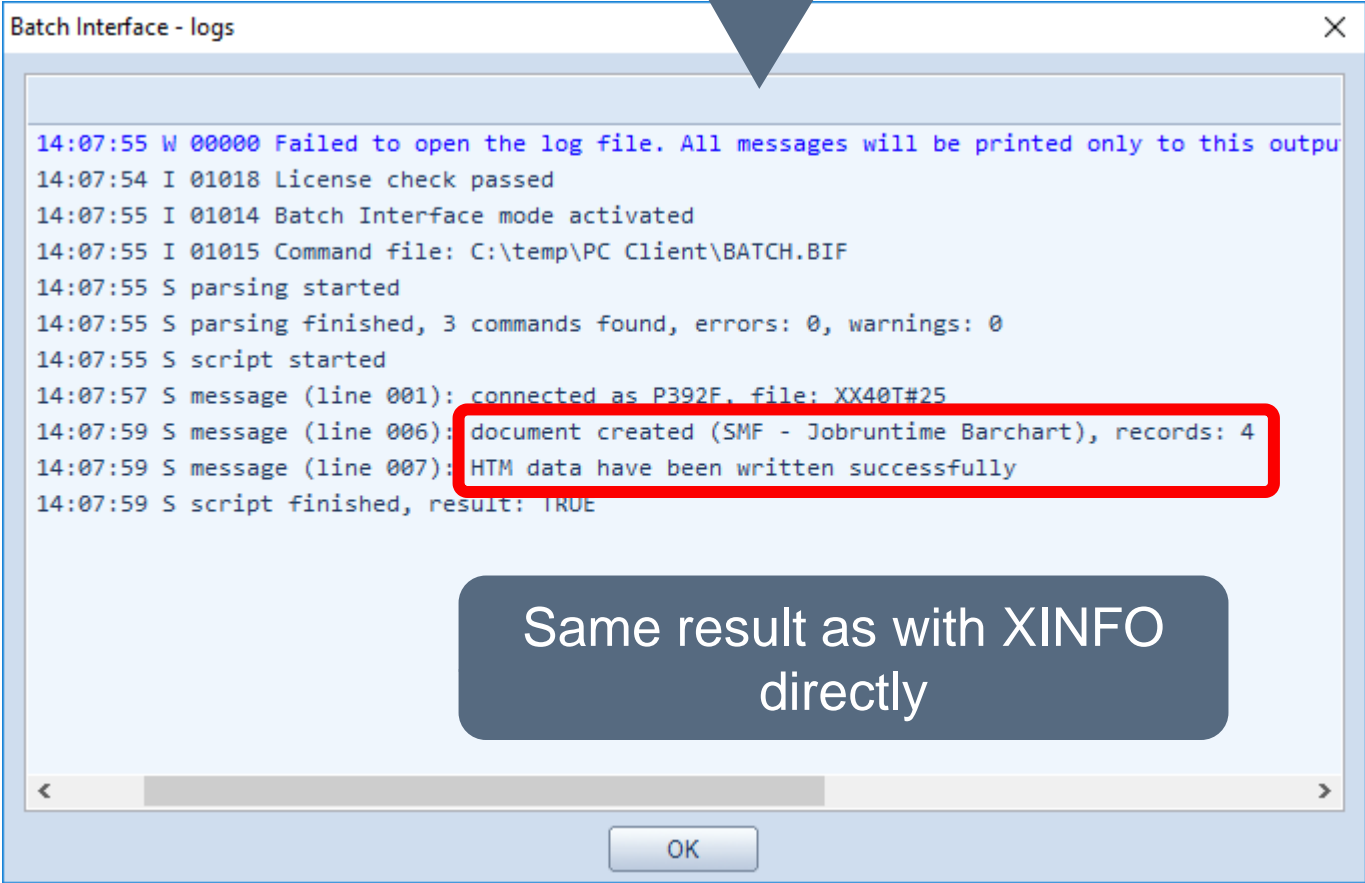
PC Client - Batch Interface (BIF) - Command line mode



```
C:\temp\PC Client> BATCH.BIF
```

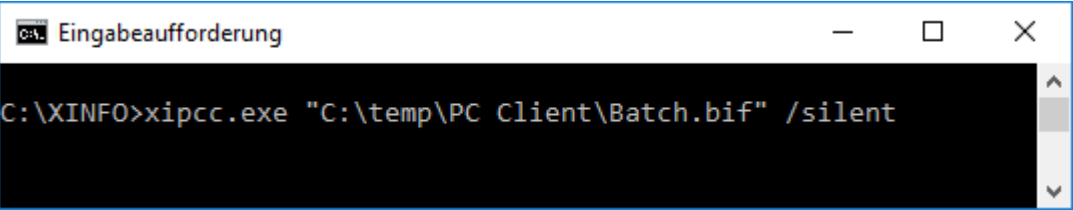
XINFO starts in command line mode

Or use console or with BAT file.
Note: You have to be in the directory



```
14:07:55 W 00000 Failed to open the log file. All messages will be printed only to this output
14:07:54 I 01018 License check passed
14:07:55 I 01014 Batch Interface mode activated
14:07:55 I 01015 Command file: C:\temp\PC Client\BATCH.BIF
14:07:55 S parsing started
14:07:55 S parsing finished, 3 commands found, errors: 0, warnings: 0
14:07:55 S script started
14:07:57 S message (line 001): connected as P392F. file: XX40T#25
14:07:59 S message (line 006): document created (SMF - Jobruntime Barchart), records: 4
14:07:59 S message (line 007): HTM data have been written successfully
14:07:59 S script finished, result: TRUE
```

Same result as with XINFO directly



```
C:\XINFO>xipcc.exe "C:\temp\PC Client\Batch.bif" /silent
```

See user manual for alternative mode: **silent**

Thanks for your attention! Do you have any questions?

The logo for 'HORIZONT' features the word in a bold, sans-serif font. The letter 'O' is highlighted in red, while the other letters are in dark grey. The background is light grey with a large red curved shape on the left and several faint, semi-transparent geometric shapes (squares and a triangle) scattered around the text.

HO R I Z O N T

Please feel free to visit us in Munich or send an email to
info@horizont-it.com