



HORIZONT

XINFO – Scheduler z/OS - IWS

XINFO and IWS for z/OS

The IWS-Interface gives you informations about IWS Databases, Current plan, Long term plan and Job history.

- Applications, Workstations, Calendars, Periods
- Dependencies and Special resources
- Variables, OI, ETT
- Current plan, Long term plan
- Job history

Preamble

This presentation gives a comprehensive overview of XINFO's Scheduler z/OS for IWS.

At some slides this button can be used to jump to specific slides in this presentation.

e.g. jump to Agenda

Click on this symbol to jump to the overview slide

AGENDA

XINFO – Scheduler z/OS - IWS

IWS z/OS – Would you like to know ...

Which Applications are using Period MONTH?

Are there any time jobs without TIME DEPENDENT=Y?

Are there any Predecessors NOTFND?

Which Successors has an Operation?

Jobnetplan with Pred- and Succs of an Operation?

Which Operations are using Special resource XYZ?

Are there any Periods which can be deleted?

Which Calendars have a freeday Friday 15. August?

Are there any ETTs, where the Application does not exist?

Which Ols (Operator Instructions) can be deleted?

More ...

AGENDA

XINFO – Scheduler z/OS - IWS

IWS z/OS – Would you like to know ...

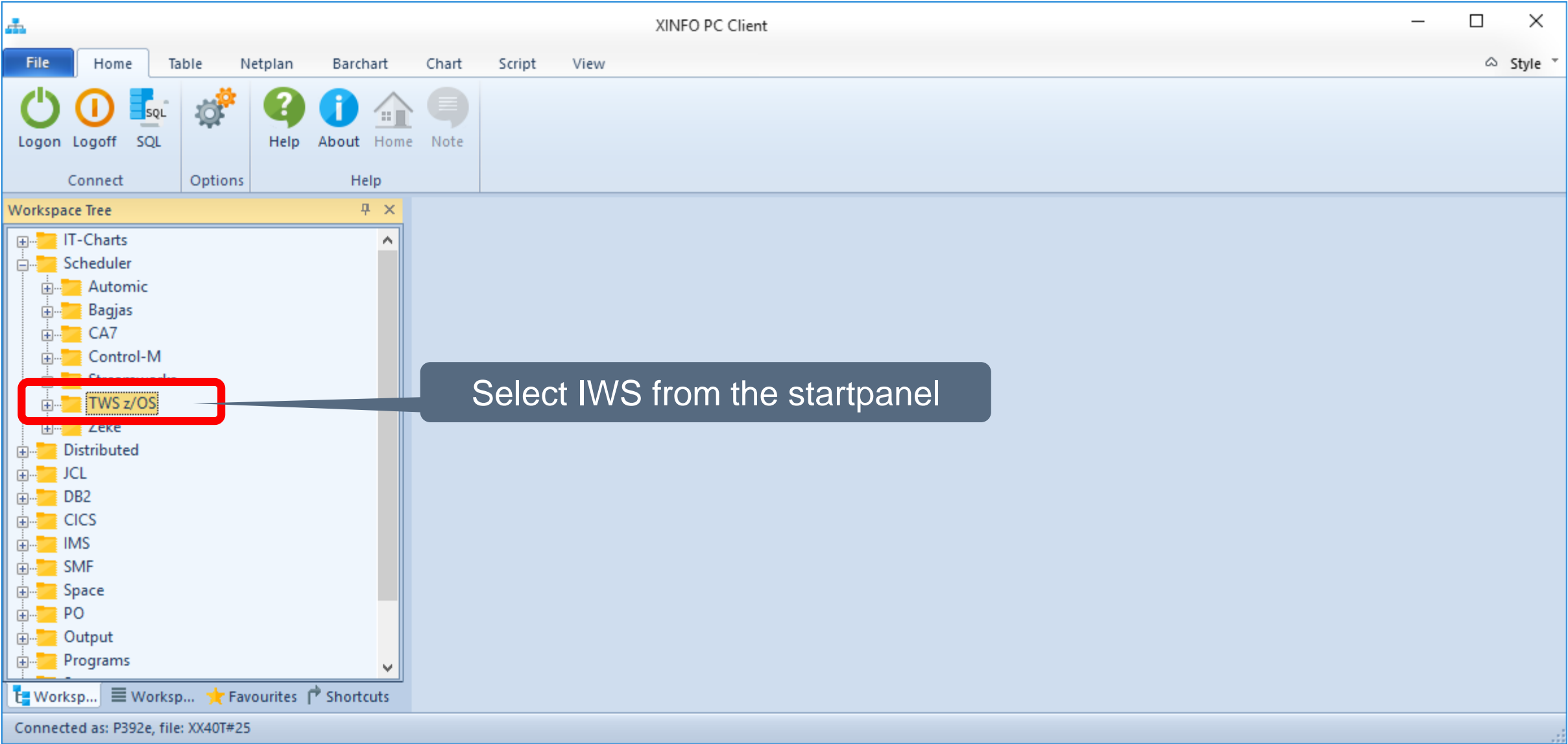
Are there any manual modifications in the LTP?

Which Operations are planned between 01:00 and 02:00?

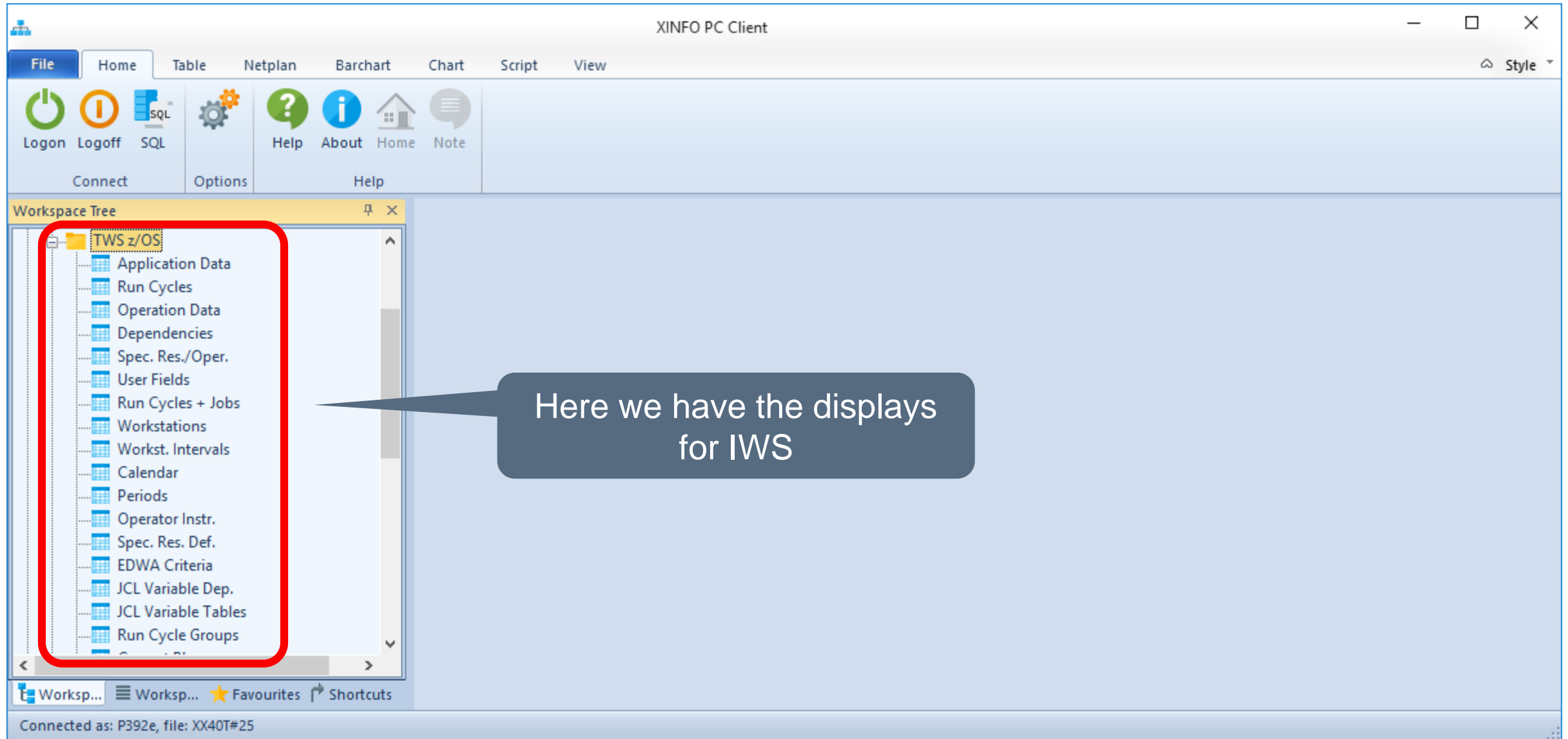
Which Operations didabend last July?

Generate Batchloader statements

XINFO – Startpanel



IWS z/OS - Displays



IWS z/OS – Search for Periods

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 dark blue callout box in the top right corner contains the text 'To search for Run cycles ...'. On the left, the 'Workspace Tree' panel lists various data categories under 'TWS z/OS'. The 'Run Cycles' item is highlighted with a yellow border. A dark blue callout box with an arrow pointing to this item contains the text '... select Run Cycles'. The bottom status bar shows 'Connected as: P392e, file: XX40T#25'.

XINFO PC Client

File Home Table Netplan Barchart Chart Script View

Logon Logoff SQL Options Help About Home Note

Connect Options Help

Workspace Tree

- TWS z/OS
 - Application Data
 - Run Cycles
 - Operation Data
 - Dependencies
 - Spec. Res./Oper.
 - User Fields
 - Run Cycles + Jobs
 - Workstations
 - Workst. Intervals
 - Calendar
 - Periods
 - Operator Instr.
 - Spec. Res. Def.
 - EDWA Criteria
 - JCL Variable Dep.
 - JCL Variable Tables
 - Run Cycle Groups

Worksp... Worksp... Favourites Shortcuts

Connected as: P392e, file: XX40T#25

To search for Run cycles ...

... select Run Cycles

IWS z/OS – Search for Periods

TWS z/OS - Run Cycles

Application ID

=

Status (A/P)

=

Valid To

=

DD.MM.YYYY

Period/Rule/RG

=

Month

Period Def.

=

Offset positive

=

Offset negative

=

Type (N/X/R/E)

=

Free Day

Input Ar

Repeat

Repeat Until

=

HH:MM

Deadline Day

=

Deadline Time

=

HH:MM:SS

Run Cycle Descript.

=

Run Cycle valid

=

DD.MM.YYYY

Run Cycle not valid

=

DD.MM.YYYY

JCL Var. Table

=

Rule Definition

=

Subsystem

=

Shift type W/D

=

Shift val. -999-999

=

OK

Actions

Cancel

Which Applications are using Period MONTH?

IWS z/OS – Resulting Periods

XINFO PC Client - TWS z/OS - Run Cycles

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

Period type, Free day rule etc.

TWS z/OS - Run Cycles

Application ID	S	Period	Period Def.	T	F	Offset pos. -->	<-neg.	AI Tim	Repeat	Until	DD	DTime	Description	Valid To	Valid	Invalid	JCL Var. Table	Rule Definition
<all>		<all>	<all>			<all>	<all>	<all>	<all>	<all>		<all>	<all>	<all>	<all>	<all>	<all>	<all>
DB2RUNSTAT	P	MONTH	P	N	2	+001		06:00:00			1	05:00:00		31.12.2071	23.12.2009	31.12.2071		
ITC00MON	P	MONTH	P	N	2	+001		06:00:00			1	06:00:00		31.12.2071	30.12.2006	31.12.2071		
ITC01MON	P	MONTH	P	N	1		-002	07:00:00			1	06:00:00		31.12.2071	25.07.2008	31.12.2071		
XINFOITCM	A	MONTH	P	N	2	+001		06:00:00			1	06:00:00		31.12.2071	30.11.2010	31.12.2071		
XINFOITC37M	A	MONTH	P	N	2	+001		06:00:00			1	06:00:00		31.12.2071	30.11.2010	31.12.2071		
XINFO35ITCM	P	MONTH	P	N	2	+001		06:00:00			1	06:00:00		31.12.2071	30.11.2010	31.12.2071		

Application ID

Period

Connected as: P392e, file: XX40T#25

Lines: 6

IWS z/OS – Search for Timer Operations

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 'Table' menu is open, showing options like 'Copy', 'Select All', 'Toggle Selection', 'Customize', 'Use Default', 'Use Custom', 'Table Layout', 'Group', 'Statistics', 'All', 'Table Functions', 'Show SQL', 'Inverse Filter', 'Tools', 'New', 'Library', and 'Explorer'. A dark blue callout box in the top right corner contains the text 'To search for Operations ...'. On the left, the 'Workspace Tree' panel is visible, listing various data sources under 'TWS z/OS'. The 'Operation Data' item is highlighted with a yellow border. A dark blue callout box with a pointer to this item contains the text '... select Operation Data'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

To search for Operations ...

... select Operation Data

IWS z/OS – Search for Time Operations

TWS z/OS - Operation Data

Which Operations have Time Dependent = Y, but do have a Start Time?

Scroll down for more selection criteria

Jobname	=		
Operation Desc.	=		
Operation Number	=		
Duration	=		HH:MM:SS
Duration (Seconds)	=		
No. int. Pred.	=		
No. ext. Pred.	=		
No. spec. Res.	=		
Error tracking	=		
Highest RC	=		
Deadline WTO	=		
Automatic Submit	=		
Automatic CPU Rel.	=		
Time dependent	=	Y	
Suppress if late	=		
Start Day	=		
Start Time	=	NOT NULL	HH:MM:SS
Deadline Day	=		
Deadline Time	=		HH:MM:SS
Smoothing Factor	=		
Limit for Feedb.	=		
Jobclass	=		
SYSOUT Class	=		
Form Number	=		
HRC set	=		
No. R1	=		
No. R2	=		
No. Servers Used	=		
No. of Servers	=		

OK Actions Cancel

IWS z/OS – Resulting Operations

Workstation ID

Operation number

Application ID

TWS z/OS - Operation Data																						
Application ID	WSID	ON	Jobname	Description	#Int	#Ext	No.SR	Duration	Dur.-Sec.	T	SD	STime	DD	DTime	C	HRC	Sub	E	W	R	St	V
<all>	<a...>	<all>	<all>	<all>	<...>	<...>	<all>	<all>	<all>	<...>	<all>	<all>	<all>	<all>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>
ACRIT0	TIME	001			0	0	0	00:00:01	1	Y	0	10:00:00			Y	0	Y	Y	N	Y	A	
DB2	TIME	002		07:00	1	0	0	00:01:00	60	Y	0	07:00:00			N		Y	Y	N	Y	P	
ERIC01	DMY	010			0	0	0	00:00:01	1	Y	1	23:00:00			N	0	Y	Y	N	Y	A	
ESMAPPLI1	DMY	001		deb	0	0	0	00:00:01	1	Y	0	09:45:00	0	09:50:00	N		Y	Y	N	Y	A	
ESMAPPLI2	CPU	020	ESMJOB03	Bidon	1	0	0	10:00:00	36000	Y	0	06:00:00	0	18:00:00	N		Y	Y	N	Y	A	
HOR00DAY	TIME	001		PRODUCT	0	0	0	00:00:01	1	Y	0	09:00:00	0	09:05:00	N		Y	Y	N	Y	A	
HOR05DAY	CPU	010	HOR05010	Run before CP	1	0	0	00:10:00	600	Y	1	04:45:00	1	04:59:00	N		Y	Y	N	Y	A	
HOR25DAY	CPU	001	HOR25001	TWS/BatchCP: E	0	3	0	00:00:01	1	Y	0	18:00:00			N		Y	Y	N	Y	A	
HOR35DAY	CPU	001	HOR35001	TWS/Ba	0	0	0	00:00:01	1	Y	0	18:00:00			N		Y	Y	N	Y	A	
HOR60DAY	TIME	001		23:00	1	0	0	00:01:00	60	Y	0	23:00:00			N		Y	Y	N	Y	A	
HOR80DAY	TIME	010		10:00	1	0	0	00:01:00	60	Y	0	10:00:00			N		Y	Y	N	Y	A	
HOR85DAY	TIME	010		20:00	1	0	0	00:01:00	60	Y	0	20:00:00			N		Y	Y	N	Y	A	
HOR88DAY	TIME	001		20:00	0	0	0	00:00:01	1	Y	1	04:55:00			N		Y	Y	N	Y	A	
HOR90DEMO	CPU	010	AHZ00010	Sort input	1	0	0	00:00:01	1	Y	0	10:00:00			N	8	Y	Y	N	Y	A	
HOR95DEMO	TIME	001	T2100	start at 9pm	0	0	0	00:00:01	1	Y	0	21:00:00			N		Y	Y	N	Y	A	
HOR96DEMO	DMY	001			0	1	0	00:00:01	1	Y	1	01:00:00			N	0	Y	Y	N	Y	A	
HOR99DAY	TIME	005			1	0	0	00:00:01	1	Y	0	21:00:00			N		Y	Y	N	Y	A	
ITC00DAY	TIME	005			1	0	0	00:00:01	1	Y	0	06:00:00			N		Y	Y	N	Y	P	
ITC00MON	TIME	005			1	0	0	00:00:01	1	Y	0	06:00:00			N		Y	Y	N	Y	P	
PMFORMCONT#PM29	CPU	010	FORM29DM	Fill FORMCONT PM29	1	0	0	00:00:12	12	Y	0	22:00:00			N		Y	N	N	Y	P	
SMF	TIME	001	TIME0603		0	1	0	00:00:01	1	Y	1	06:03:00	1	06:05:00	N		Y	Y	N	Y	A	
SPEEDSE	DMY	001			0	0	0	00:00:01	1	Y	0	10:00:00			N		Y	Y	N	Y	A	
TCPA01	DMY	001	TIME	start	0	0	0	00:00:01	1	Y	0	23:30:00			N		Y	Y	N	Y	A	
					2	1	0	00:10:00	600	Y	1	01:00:00			N		Y	Y	N	Y	A	

Connected as: TWS2C, ID: 70401#23

Lines: 42

IWS z/OS – Search for Predecessors

XINFO PC Client

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 Tools New Library Explorer Chart

To search for Predecessors ...

Workspace Tree

- TWS z/OS
 - Application Data
 - Run Cycles
 - Operation Data
 - Dependencies**
 - Spec. Res./Oper.
 - User Fields
 - Run Cycles + Jobs
 - Workstations
 - Workst. Intervals
 - Calendar
 - Periods
 - Operator Instr.
 - Spec. Res. Def.
 - EDWA Criteria
 - JCL Variable Dep.
 - JCL Variable Tables
 - Run Cycle Groups

... select Dependencies

Worksp... Worksp... Favourites Shortcuts

Connected as: P392e, file: XX40T#25

IWS z/OS – Search for NOTFND

TWS z/OS - Dependencies

Application ID	=		
Workstation	=		
Operation Number	=		
Jobname	=		
Status (A/P)	=		
Valid From	=		DD.MM.YYYY
Valid To	=		DD.MM.YYYY
Pred. Application	=		
Pred. Workstation	=		
Pred. Operation No.	=		
Pred. Jobname	=	*NOTFND*	
Ext. Pred Y/N/I/E	=		
Pred. Print Option	=		
Pred. Transp. Time	=		MM:SS
Pred. Description	=		
Pred. Valid To	=		DD.MM.YYYY
Pred. Valid From	=		DD.MM.YYYY
Cond-No.	=		
Cond-Type	=		
Cond-Op	=		
Cond-RC-Val	=		
Cond-RC-Val2	=		
Cond-StatVal	=		
Cond-JobStepname	=		
Cond-ProcStepname	=		
Subsystem	=		
Res. crit.(C/S/R/A)	=		
Cond-Data-Base	=		

Which Predecessors do not exist anymore??

Note:
-NOTFND- is inserted by XINFO as the Predecessor's Jobname.

OK Actions Cancel

IWS z/OS – Resulting Predecessors

XINFO PC Client - TWS z/OS - Dependencies

File Home Table Netplan Barchart Chart Script View

Workspace Tree

TWS z/OS - Dependencies

Application ID	S	WSID	ON	Jobname	Pred. Applicatio	WSID	ON	Jobname	X	Pr	TDur.	Description	P	Pred.Valto	Pred.ValFr	Valid To	Valid From	C-No	Cond-Text
<all>		<a...>		<all>	<all>	<a...>		<all>			<all>	<all>		<all>	<all>	<all>	<all>	<...>	<all>
ESMAPPLICATS01	A	CPU	010	ESMJOB01	EBMAPPLI5	CPU	010	-NOTFND-	Y	A						31.12.2071	14.11.2016		
ESMAPPLICATS02	P	CPU	010	ESMJOB02	EBMAPPLICATS01	CPU	010	-NOTFND-	Y	A						31.12.2071	14.11.2016		
ESMAPPLI1	A	CPU	050	ZAD1H0	EBMAPPLI5	CPU	060	-NOTFND-	Y	A						31.12.2071	14.11.2016		
ESMAPPLI10	A	CPU	025	ZP9PJ1	EBMAPPLI2	CPU	030	-NOTFND-	Y	A						31.12.2071	14.11.2016		
ESMAPPLI2	A	CPU	020	ESMJOB03	EBMAPPLI3	CPU	010	-NOTFND-	E							31.12.2071	14.11.2016	1	ESSAIS COND
ESMAPPLI3	A	CPU	025	ZP9PJ1	EBMAPPLI2	CPU	030	-NOTFND-	Y	A						31.12.2071	14.11.2016		
ESMAPPLI4	A	CPU	010	ESMJOB05	EBMAPPLI1	CPU	010	-NOTFND-	Y	A	00:00:00					31.12.2071	14.11.2016		
ESMAPPLI4	A	CPU	025	ZRRRJA	EBMAPPLI2	CPU	030	-NOTFND-	Y	A						31.12.2071	14.11.2016		
ESMAPPLI44	A	CPU	010	ESMJOB05	EBMAPPLI1	CPU	010	-NOTFND-	Y	A	00:00:00					31.12.2071	14.11.2016		
ESMAPPLI44	A	CPU	025	ZRRRJA	EBMAPPLI2	CPU	030	-NOTFND-	Y	A						31.12.2071	14.11.2016		
ESMAPPLI5	A	CPU	005	ESMJOB01	EBMAPPLI4	CPU	010	-NOTFND-	E							31.12.2071	14.11.2016	1	ESSAIS COND E
ESMAPPLI5	A	CPU	010	ESMJOB06	EBMAPPLI3	CPU	010	-NOTFND-	E							31.12.2071	14.11.2016	2	ESSAIS COND
ESMAPPLI55	P	CPU	005	ESMJOB01	EBMAPPLI4	CPU	010	-NOTFND-	E							31.12.2071	14.11.2016	1	ESSAIS COND E
ESMAPPLI55	P	CPU	010	ESMJOB06	EBMAPPLI3	CPU	010	-NOTFND-	E							31.12.2071	14.11.2016	2	ESSAIS COND
HOR10DAY	A	CPU	010	HOR10010	APPLNOTTHERE	CPU	100	-NOTFND-	Y	A	00:00:00					31.12.2071	15.06.2002		
PETRTTEST01	A	CPU	010	TEST01	APPLNOTTHERE	CPU	100	-NOTFND-	Y	A	00:00:00					31.12.2071	15.02.2016		
TESTULI2	P	CPU	020	EBMJOB03	EBMAPPLI3	CPU	010	-NOTFND-	E							31.12.2071	09.03.2016	1	ESSAIS COND
TEST01	A	CPU	010	TEST01	APPLNOTTHERE	CPU	100	-NOTFND-	Y	A	00:00:00					31.12.2071	28.04.2015		

Jobs with predecessors ...

... which do not exist any more

Connected as: P392e, file: XX40T#25

Lines: 18

IWS z/OS – Search for Successors

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), "Table Layout" (Customize, Use Default, Use Custom), "Table Functions" (Group, Statistics, All), "Tools" (Show SQL, Inverse Filter), and "Chart" (New, Library, Explorer). A dark blue callout box in the top right corner contains the text "To search for Successors ...". On the left, the "Workspace Tree" pane shows a list of items under the "TWS z/OS" folder. The "Dependencies" item is highlighted with a yellow border. A dark blue callout box with a pointer to this item contains the text "... again: select Dependencies". The bottom status bar shows "Connected as: P392e, file: XX40T#25".

To search for Successors ...

... again: select Dependencies

IWS z/OS – Search for Successors

TWS z/OS - Dependencies

Application ID	=		
Workstation	=		
Operation Number	=		
Jobname	=		
Status (A/P)	=		
Valid From	=		DD.MM.YYYY
Valid To	=		DD.MM.YYYY
Pred. Application	=		
Pred. Workstation	=		
Pred. Operation No.	=		
Pred. Jobname	=	XXRJLA*	
Ext.Pred Y/N/I/E	=		
Pred. Print Option	=		
Pred. Transp. Time	=		HH:MM:SS
Pred. Description	=		
Pred. Status (A/P)	=		
Pred. Valid To	=		DD.MM.YYYY
Pred. Valid From	=		DD.MM.YYYY
Cond-No.	=		
Cond-Text	=		
Cond-Count	=		
Cond-Deps	=		
Cond-Rule	=		
Cond-Type	=		
Cond-Op	=		
Cond-JobStepname	=		
Cond-ProcStepname	=		
Subsystem	=		
Res. crit.(C/S/R/A)	=		
Cond-Status (A/P)	=		

Which are the successors from Jobs XXRJLA*?

OK Actions Cancel

IWS z/OS – Resulting Successors

XINFO PC Client - TWS z/OS - Dependencies

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 Tools New Library Explorer Chart

TWS z/OS - Dependencies

Application ID	S	WSID	ON	Jobname	Pred. Applicatio	WSID	ON	Jobname	X	Pr	TDur.	Description	P	Pred.Valto	Pred.ValFr	Valid To	Valid From	C-No	Cond-Text	#
<all>		<a...		<all>	<all>	<a...		<all>			<all>	<all>		<all>	<all>	<all>	<all>	<...	<all>	
XINFO35	P	CPU	004	XXRJLD03	XINFO35	CPU	003	XXRJLAD	N		00:00:00		P	31.12.2071	19.07.2010	31.12.2071	19.07.2010			
XINFO35	P	CPU	050	XXRJSRT1	XINFO35	CPU	003	XXRJLAD	N		00:00:00		P	31.12.2071	19.07.2010	31.12.2071	19.07.2010			
XINFO36	P	CPU	004	XXRJLD03	XINFO36	CPU	003	XXRJLAD	N		00:00:00		P	31.12.2071	19.07.2010	31.12.2071	19.07.2010			
XINFO36	P	CPU	050	XXRJSRT1	XINFO36	CPU	003	XXRJLAD	N		00:00:00		P	31.12.2071	19.07.2010	31.12.2071	19.07.2010			

Predecessors ...

... and Successors

Connected as: P392e, file: XX40T#25

Lines: 4

IWS z/OS – Jobnetplan with Pred or Succ

The screenshot displays the XINFO PC Client application window. The 'Workspace Tree' on the left lists various system components, with 'Job Netplan' highlighted at the bottom. A red rectangle encloses the entire tree list. A dark blue callout box points to 'Job Netplan' with the text '... select IWS Job Netplan'. Another dark blue callout box in the upper right corner contains the text 'To search for Predecessors and Successors of a start operation ...'. The application's menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The status bar at the bottom indicates the connection: 'Connected as: P392e, file: XX40T#25'.

To search for Predecessors and Successors of a start operation ...

... select IWS Job Netplan

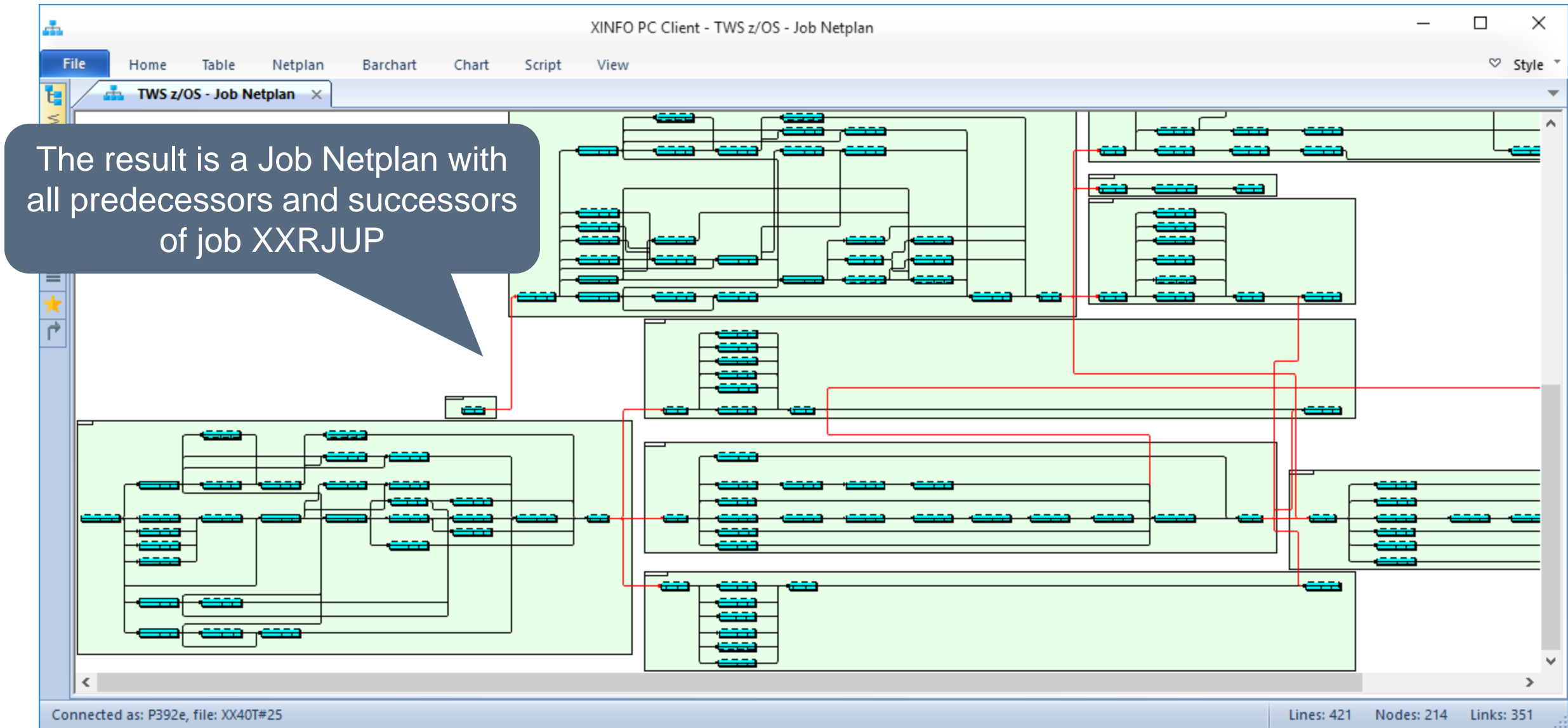
IWS z/OS – Jobnetplan with Pred or Succ

The screenshot displays the XINFO PC Client application window. The 'Table' menu is active, and the 'Jobnetplan' option is selected in the 'Workspace Tree' on the left. A dialog box titled 'TWS z/OS Jobnetplan' is open, showing configuration fields. A red box highlights the 'Jobname' field, which contains 'XXRJJUP*'. Another red box highlights the 'Predecessor level' and 'Successor level' fields, both set to '99'. A callout bubble points to the 'Jobname' field with the text 'Specify start point ...'. Another callout bubble points to the 'Predecessor level' and 'Successor level' fields with the text '... and the desired Pred(ecessor) and Succ(essor) level'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

Specify start point ...

... and the desired Pred(ecessor) and Succ(essor) level

IWS z/OS – Jobnetplan with Pred or Succ



IWS z/OS – Search for Special Resources

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 various icons for editing and viewing, including 'Copy', 'Select All', 'Toggle Selection', 'Fit All', 'Fit Selected', 'Smaller', 'Bigger', '100%', 'Left to Right', 'Top to Bottom', 'Subnet', 'Table', 'Search', and 'Show SQL'. A dark blue callout box in the top right corner contains the text 'To search for Special Resources ...'. On the left, the 'Workspace Tree' panel is open, showing a list of items under the 'TWS z/OS' folder. The item 'Spec. Res./Oper.' is highlighted with a yellow border. A dark blue callout box with a pointer to this item contains the text '... select Spec. Res./Operation'. The bottom status bar shows 'Connected as: P392e, file: XX40T#25'.

XINFO PC Client

File Home Table Netplan Barchart Chart Script View

Copy Select All Toggle Selection Edit

Fit All Fit Selected

Smaller Bigger 100%

Left to Right Top to Bottom

Subnet Table Search

Show SQL

Style

To search for Special Resources ...

Workspace Tree

- TWS z/OS
 - Application Data
 - Run Cycles
 - Operation Data
 - Dependencies
 - Spec. Res./Oper.
 - User Fields
 - Run Cycles + Jobs
 - Workstations
 - Workst. Intervals
 - Calendar
 - Periods
 - Operator Instr.
 - Spec. Res. Def.
 - EDWA Criteria
 - JCL Variable Dep.
 - JCL Variable Tables
 - Run Cycle Groups

... select Spec. Res./Operation

Worksp... Worksp... Favourites Shortcuts

Connected as: P392e, file: XX40T#25

IWS z/OS – Search for Special Resources

File

Home

Table

Netplan

Barchart

Chart

Script

View

Copy

Select All

Toggle Selection

Edit

Fit All

Fit Selected

100%

Workspace Tree

TWS z/OS

Application Data

Run Cycles

Operation Data

Dependencies

Spec. Res./Oper.

User Fields

Run Cycles + Jobs

Workstations

Workst. Intervals

Calendar

Periods

Operator Instr.

Spec. Res. Def.

EDWA Criteria

JCL Variable Dep.

JCL Variable Tables

Run Cycle Groups

XINFO PC Client

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

Application ID

=

Status (A/P)

=

Valid To

=

DD.MM.YYYY

Jobname

=

Workstation

=

Operation Number

=

Special Resource

=

Type (S/X)

=

Numeric Amount

=

Keep on Err. Flag

=

Avail. On Complete

=

Subsystem

=

OK

Actions

Cancel

Which Special Resources are used ?

Worksp...

Worksp...

Favourites

Shortcuts

Connected as: P392e, file: XX40T#25

IWS z/OS – Resulting Special Resources

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

File Home Table Netplan Barchart Chart Script View

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

Workspace Tree

Application ID	Jobname	WSID	ON	Special Resource	T	Amount	K	S	Valid To	OnCompl	SubS
<all>	<all>	<a...		<all>		<all>			<all>	<all>	<...
ACRIT1	CRIT1	CPU	001	SRY	S	0		A	31.12.2071	R	TXGC
ACRIT2	CRIT2	CPU	001	SRY	S	0		A	31.12.2071	R	TXGC
ACRIT3	CRIT3	CPU	001	SRY	S	0		A	31.12.2071	R	TXGC
ACRIT4	CRIT4	CPU	001	SRY	S	0		A	31.12.2071	R	TXGC
ACRIT5	CRIT5	CPU	001	SRY	S	0		A	31.12.2071	R	TXGC
ACRIT6	CRIT6	CPU	001	SRY	S	0		A	31.12.2071	R	TXGC
ACRIT7	CRIT7	CPU	001	SRY	S	0		A	31.12.2071	R	TXGC
ACRIT99	CRIT	CPU	001	SRY	S	0		A	31.12.2071	R	TXGC
BFGACRIT7	DUMMY	CPU	001	SRY	S	0		P	31.12.2071	R	TXGC
BFGACRIT7	CNDJA	CPU	010	SRY	S	0		P	31.12.2071	R	TXGC
DB2RUNSTAT	XXRJRUNS	CPU	005	XINFO-LOAD	X	0		P	31.12.2071		TXGC
ESMAPPLI5	ESMJOB06	CPU	010	SRY	X	1	Y	A	31.12.2071	Y	TXGC
ESMAPPLI55	ESMJOB06	CPU	010	SRY	X	1	Y	P	31.12.2071	Y	TXGC
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	HOR1002	CPU	002	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

Resources

Job

Application ID

Connected as: P3926, ID: 00401#23

Lines: 202

IWS z/OS – Search for Period Definitions

XINFO PC Client

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 Tools New Library Explorer Chart

Workspace Tree

- TWS z/OS
 - Application Data
 - Run Cycles
 - Operation Data
 - Dependencies
 - Spec. Res./Oper.
 - User Fields
 - Run Cycles + Jobs
 - Workstations
 - Workst. Intervals
 - Calendar
 - Periods**
 - Operator Instr.
 - Spec. Res. Def.
 - EDWA Criteria
 - JCL Variable Dep.
 - JCL Variable Tables
 - Run Cycle Groups

... select Periods

To search for Periods Definitions ...

Worksp... Worksp... Favourites Shortcuts

Connected as: P392e, file: XX40T#25

IWS z/OS – Search for Period Definitions

The screenshot shows the XINFO PC Client interface. On the left, the 'Workspace Tree' displays a hierarchy under 'TWS z/OS', with 'Periods' selected. The main window shows the 'TWS z/OS - Periods' dialog box. The 'End Date Interval' field is highlighted with a red box and contains the date '31.12.2014'. A callout bubble points to this field with the text: 'Search for all Periods with an End Date Interval lower than 2014'.

Workspace Tree:

- TWS z/OS
 - Application Data
 - Run Cycles
 - Operation Data
 - Dependencies
 - Spec. Res./Oper.
 - User Fields
 - Run Cycles + Jobs
 - Workstations
 - Workst. Intervals
 - Calendar
 - Periods
 - Operator Instr.
 - Spec. Res. Def.
 - EDWA Criteria
 - JCL Variable Dep.
 - JCL Variable Tables
 - Run Cycle Groups

TWS z/OS - Periods dialog box fields:

- Name
- Description
- Interv. Cycl. Org.
- Type (C/N)
- Origin of Interval
- End Date Interval (highlighted with red box, value: 31.12.2014)
- Origin Dates
- JCL Variable Table
- Last Update User
- Last Update Date
- Last Update Time
- Subsystem

Buttons: OK, Actions, Cancel

IWS z/OS – Resulting Period Definitions

XINFO PC Client - TWS z/OS - Periods

File Home Table Netplan Barchart Chart Script View

TWS z/OS - Periods

Name	Description	Int	T	Origin	End Date	#Orgs	JCL Variable Tab	Upd:User	Upd:Date	UTime	SubS
<all>	<all>			<all>	<all>	<a...>	<all>	<all>	<all>	<all>	<...>
WEEK02	SECOND WEEK	0	N	02.05.2010	08.05.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	06.06.2010	12.06.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	04.07.2010	10.07.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	08.08.2010	14.08.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	05.09.2010	11.09.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	03.10.2010	09.10.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	07.11.2010	13.11.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	05.12.2010	11.12.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	02.01.2011	08.01.2011	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	06.02.2011	12.02.2011	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	10.01.2010	16.01.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14.02.2010	20.02.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14.03.2010	20.03.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	11.04.2010	17.04.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	09.05.2010	15.05.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	13.06.2010	19.06.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	11.07.2010	17.07.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	15.08.2010	21.08.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	12.09.2010	18.09.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	10.10.2010	16.10.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14.11.2010	20.11.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	12.12.2010	18.12.2010	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	09.01.2011	15.01.2011	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	13.02.2011	19.02.2011	14		P390S	12.03.2013	14:09	TWDC

Connected as: P392e, file: XX37T#14

Lines: 52

All Periods which are not valid since 2014

IWS z/OS – Resulting Period Definitions

XINFO PC Client - TWS z/OS - Periods

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 Subtable Graph Show SQL Inverse Filter New Library Explorer Chart

TWS z/OS - Periods

Dep. Vars of Tab
JCL Var. Tables
Run Cycles
Run Cycles + Jobs

Name	Description	Int	T	#Orgs	JCL Variable Tab	Upd:User	Upd:Date	UTime	SubS
<all>	<all>			<a...>	<all>	<all>	<all>	<all>	<...>
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK02	SECOND WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC
WEEK03	THIRD WEEK	0	N	14		P390S	12.03.2013	14:09	TWDC

Connected as: P392e, file: XX37T#14 Lines: 52

IWS z/OS – Resulting Applications

The screenshot shows the XINFO PC Client - TWS z/OS - Run Cycles window. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with various icons for editing and visualization. The main area displays a table with columns for Application ID, S, Period, Period Def., T, F, Offset pos., <-neg., AITim, Repeat, Until, DD, DTime, Description, Valid To, Valid, Invalid, JCL Var. Table, and Rule. The table contains one data row for application WRXA9036#MABUSBL. A callout points to the table with the text "Here are all Applications using these Periods".

Application ID	S	Period	Period Def.	T	F	Offset pos.	<-neg.	AITim	Repeat	Until	DD	DTime	Description	Valid To	Valid	Invalid	JCL Var. Table	Rule
<all>		<all>	<all>			<all>		<all>		<all>		<all>	<all>	<all>	<all>	<all>	<all>	
WRXA9036#MABUSBL	A	ETTRCY1	P		N	3	+001	00:01:00			0	24:00:00		31.12.2071	13.10.2004	31.12.2071		

Here are all Applications using these Periods

Connected as: P392e, file: XX37T#14

Lines: 1

IWS z/OS – Search for Calendar Dates

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'. The 'Workspace Tree' on the left lists various data categories under 'TWS z/OS', with 'Calendar' highlighted. A callout bubble points to 'Calendar' with the text '... select Calendar'. Another callout bubble in the top right corner says 'To search for Calendars ...'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#14'.

To search for Calendars ...

... select Calendar

IWS z/OS – Search for Calendar Dates

The screenshot shows the XINFO PC Client interface. On the left, the 'Workspace Tree' displays a hierarchy of folders under 'TWS z/OS', with 'Calendar' selected. The main area shows the 'TWS z/OS - Calendar' dialog box. This dialog has several input fields: 'Name', 'Description', 'Day/Date', 'Status (W/F)', 'Num of Days/Dates', 'Work-day End Time', 'Comment for', and 'Subsystem'. The 'Day/Date' field is set to '15.08.*' and the 'Status (W/F)' field is set to 'F'. These two fields are enclosed in a red rectangular box. A dark blue callout bubble with a white border points from the bottom left towards the red box, containing the text: 'Search for all Calendars where 15.08. is a freeday'. The dialog box also features 'OK', 'Actions', and 'Cancel' buttons at the bottom. The status bar at the bottom of the client window indicates 'Connected as: P392e, file: XX40T#14'.

Search for all Calendars where 15.08. is a freeday

IWS z/OS – Search for ETTs

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 dark blue banner in the top right corner contains the text "To search for ETT ...". On the left, the "Workspace Tree" panel lists various data categories under "TWS z/OS". The "EDWA Criteria" item is highlighted with a yellow border. A dark blue callout box with a pointer to the "EDWA Criteria" item contains the text "... select EDWA Criteria". The status bar at the bottom indicates "Connected as: P392e, file: XX40T#14".

To search for ETT ...

... select EDWA Criteria

Connected as: P392e, file: XX40T#14

IWS z/OS – Search for ETTs

The screenshot shows the XINFO PC Client window with the 'TWS z/OS - EDWA Criteria' dialog box open. The 'Workspace Tree' on the left lists various data sources, with 'EDWA Criteria' selected. The dialog box contains several search criteria fields. The 'Appl. Exists Y/N' field is highlighted with a red rectangle and contains the value 'N'. A callout box points to this field with the text: 'The value **N** for non-existing applications is inserted by XINFO'. Another callout box points to the 'Appl. Exists Y/N' field with the text: 'Search for all ETTs, where the application does not exist anymore'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#14'.

XINFO PC Client

File Home Table Netplan Barchart Chart Script View

Logon Logoff SQL Help

Connect Options

Workspace Tree

- TWS z/OS
 - Application Data
 - Run Cycles
 - Operation Data
 - Operation Times
 - Dependencies
 - Special Resources
 - User Fields
 - Run Cycles + Jobs
 - Workstations
 - Workstation Intervals
 - Calendar
 - Periods
 - Operator Instructions
 - Special Resource Def
 - EDWA Criteria**
 - JCL Variable Dep.
 - JCL Variable Tables

TWS z/OS - EDWA Criteria

Triggering Event	=	
Application	=	
Type (Job/Resource)	=	
Job Replace Y/N	=	
Avail. Status Y/N	=	
Dep. Resol. Y/P/S/N	=	
Appl. Exists Y/N	=	N
Last Update User	=	
Last Update Date	=	DD.MM.YYYY
Last Update Time	=	HH:MM
Subsystem	=	

Cancel

Connected as: P392e, file: XX40T#14

Search for all ETTs, where the application does not exist anymore

The value **N** for non-existing applications is inserted by XINFO

IWS z/OS – Resulting ETTs

XINFO PC Client - TWS z/OS - EDWA Criteria

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 Explorer Chart

TWS z/OS - EDWA Criteria

Triggering Event	Application	T	J	A	D	X	Upd:User	Upd:Date	UTime	SubS
<all>	<all>						<all>	<all>	<all>	<...>
P390K*	TESTP390K	J	Y	N	Y	N	P390K	15.10.2015	11:42	TWGC
SYSH.ETT.DSN.NE	ETTAPPLNOTEXIST	R	N	N	N	N	P390K	27.10.2012	11:23	TWGC
TEST.PETR.ETT	TESTPETREQQU1	R	N	N	N	N	P390S	06.09.2012	15:27	TWGC
TEST.PETR.ETT1	TESTPETREQQU2	R	N	N	N	N	P390S	15.01.2013	15:56	TWGC
SYSH.ETT.DSN.NE	ETTAPPLNOTEXIST	R	N	N	N	N	P390K	27.10.2012	11:23	TWFC
TEST.PETR.ETT	TESTPETREQQU1	R	N	N	N	N	P390S	06.09.2012	15:27	TWFC
TEST.PETR.ETT1	TESTPETREQQU2	R	N	N	N	N	P390S	15.01.2013	15:56	TWFC
SYSH.ETT.DSN.NE	ETTAPPLNOTEXIST	R	N	N	N	N	P390K	27.10.2012	11:23	TWEC
TEST.PETR.ETT1	TESTPETREQQU2	R	N	N	N	N	P390S	15.01.2013	15:56	TWEC

Workspace Tree

Connected as: P392e, file: XX40T#14

Lines: 9

The resulting ETTs

IWS z/OS – Search for OIs

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 ribbon contains several groups: 'Edit' (Copy, Select All, Toggle Selection), 'Table Layout' (Customize, Use Default, Use Custom), 'Table Functions' (Group, Statistics, All), 'Tools' (Show SQL, Inverse Filter), and 'Chart' (New, Library, Explorer). A dark blue callout box in the top right corner says 'To search for OI ...'. On the left, the 'Workspace Tree' pane shows a hierarchy starting with 'TWS z/OS', followed by a list of data categories. 'Operator Instructions' is highlighted with a yellow border. A dark blue callout box with a pointer to this item says '... select Operator Instructions'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#14'.

To search for OI ...

... select Operator Instructions

IWS z/OS – Search for OIs

The screenshot shows the XINFO PC Client interface. On the left is the 'Workspace Tree' with a tree view under 'TWS z/OS'. The 'Operator Instructions' item is highlighted. The main area displays the 'TWS z/OS - Operator Instructions' dialog box. This dialog has several fields for defining search criteria. The 'Valid to Date' field is highlighted with a red rectangle and contains the date '31.12.2016'. A callout bubble points to this field with the text: 'Search for all OI-Definitions which are not valid anymore since 31.12.2015'. The dialog also includes fields for 'Application', 'Valid from Date', 'Valid from Time', 'Valid to Time', 'Operation Number', 'Oper. Exists (Y/N)', 'No. of Lines', 'Line Number', 'Line', 'Last Update User', 'Last Update Date', 'Last Update Time', and 'Subsystem'. At the bottom of the dialog are 'OK', 'Actions', and 'Cancel' buttons. The status bar at the bottom of the client window shows 'Connected as: P392e, file: XX40T#14'.

Field	Operator	Value	Format
Application	=		
Valid from Date	=		DD.MM.YYYY
Valid from Time	=		HH:MM
Valid to Date	<=	31.12.2016	DD.MM.YYYY
Valid to Time	=		HH:MM
Operation Number	=		
Oper. Exists (Y/N)	=		
No. of Lines	=		
Line Number	=		
Line	=		
Last Update User	=		
Last Update Date	=		
Last Update Time	=		HH:MM
Subsystem	=		

IWS z/OS – Resulting OIs

XINFO PC Client - TWS z/OS - Operator Instructions

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 Explorer Chart

TWS z/OS - Operator Instructions

Application	Valfr-Date	FTime	Valto-Date	TTime	ON	X	Lines	Line#	Line	Upd:User	Upd:Date	UTime	SubS
PETRTTEST01	13.05.2016	08:06	13.05.2016	08:10	001	Y	1	1	SECOND	P391F	22.12.2016	15:23	TWHC
RESDEPTSTP391F	10.10.2010	10:10	11.11.2011	11:11	006	Y	1	1	TEXT	P391F	20.09.2013	12:49	TWGC
RESDEPTSTP391F	12.12.2012	16:00	12.12.2012	17:00	006	Y	1	1	TEXT2	P391D	13.09.2016	15:03	TWGC
TESTOI3	04.01.1972	07:00	04.01.1972	07:00	001	Y	2	1	test oi	P391X	01.03.2017	08:34	TWGC
TESTOI3	04.01.1972	07:00	04.01.1972	07:00	001	Y	2	2	test oi2	P391X	01.03.2017	08:34	TWGC
RESDEPTSTP391F	10.10.2010	10:10	11.11.2011	11:11	006	Y	1	1	TEXT	P391F	20.09.2013	12:49	TWFC
TEST01PETRT	18.05.2016	10:00	18.05.2016	12:00	001	Y	1	1	TEST01	P391F	18.05.2016	09:36	TWFC
TEST01PETRT	18.05.2016	10:00	18.05.2016	12:00	002	Y	1	1	TEST01	P391F	18.05.2016	09:36	TWFC
TEST02PETRT	18.05.2016	09:30	18.05.2016	11:00	001	Y	1	1	TEST01	P391F	18.05.2016	09:30	TWFC
TEST02PETRT	18.05.2016	09:30	18.05.2016	11:00	002	Y	1	1	TEST01	P391F	18.05.2016	09:31	TWFC
ZAGENTS	07.09.2016	00:00	27.09.2016	24:00	011	Y	2	1	If job fails, ignore it	P390K	07.09.2016	14:41	TWEC
ZAGENTS	07.09.2016	00:00	27.09.2016	24:00	011	Y	2	2	-----	P390K	07.09.2016	14:41	TWEC

Connected as: P392e, file: XX40T#14 Lines: 12

The resulting OIS

IWS z/OS – Search for OIs

XINFO PC Client

TWS z/OS - Operator Instr.

File Home Table Netpl... Backup Chart Export View

Copy Select All Toggle Selection Edit Customize Use Default Use Custom Table Layout

Workspace Tree

- TWS z/OS
 - Application Data
 - Run Cycles
 - Operation Data
 - Operation Times
 - Dependencies
 - Special Resources
 - User Fields
 - Run Cycles + Jobs
 - Workstations
 - Workstation Intervals
 - Calendar
 - Periods
 - Operator Instructions
 - Special Resource Def.
 - EDWA Criteria
 - JCL Variable De
 - JCL Variable Ta

Application =

Valid from Date = DD.MM.YYYY

Valid from Time = HH:MM

Valid to Date = DD.MM.YYYY

Valid to Time = HH:MM

Operation Number =

Oper. Exists (Y/N) =

No. of Lines =

Line Number =

Line =

Last Update User =

Last Update Date = DD.MM.YYYY

Last Update Time = HH:MM

Cancel

Search for all OIs, where the Operation does not exist anymore

The value **N** for non existing Operations is inserted by XINFO.

Connected as: P392e, file: XX40T#14

IWS z/OS – Resulting OIs

XINFO PC Client - TWS z/OS - Operator Instructions

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 Inverse Filter Tools New Library Explorer Chart

TWS z/OS - Operator Instructions

Application	Valfr-Date	FTime	Valto-Date	TTime	ON	X	Lines	Line#	Line	Upd:User	Upd:Date	UTime	SubS
<all>	<all>	<a...	<all>	<all>			<...>	<...>	<all>	<all>	<all>	<all>	<...>
OITESTPL1					020	N	1	1	deutsche bank OI test	P390S	13.04.2015	12:43	TWGC

The resulting OIS

Connected as: P392e, file: XX40T#14 Lines: 1

IWS z/OS – Search for LTP data

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 'Table' menu is currently open, showing options like 'Copy', 'Select All', 'Toggle Selection', 'Customize', 'Use Default', 'Use Custom', 'Table Layout', 'Group', 'Statistics', 'All', 'Table Functions', 'Show SQL', 'Inverse Filter', 'Tools', 'New', 'Library Explorer', and 'Chart'. A dark blue callout box with white text 'To search for data from the LTP ...' is positioned over the 'Table' menu. In the 'Workspace Tree' on the left, the 'Long Term Plan' item is highlighted with a yellow background. A dark blue callout box with white text '... select Long Term Plan' points to this item. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#14'.

To search for data from the LTP ...

... select Long Term Plan

IWS z/OS – Search for LTP data

TWS z/OS - Long Term Plan

Application ID	=	<input type="text"/>
Run Date	=	<input type="text"/> DD.MM.YYYY
Input Arrival Time	=	<input type="text"/>
Original Run Date	=	<input type="text"/>
Original IA Time	=	<input type="text"/>
Deadline Date	=	<input type="text"/>
Deadline Time	=	<input type="text"/>
Error Code	=	<input type="text"/>
Deleted Online	=	<input type="text"/>
Added Online	=	<input type="text"/>
Modified Online	=	<input type="text"/> Y
Moved Run Date/Time	=	<input type="text"/>

Search for all Applications, which are modified manually

Dependency Changed	=	<input type="text"/>
Occurrence Complete	=	<input type="text"/>
Runday Status	=	<input type="text"/>
Num of ext. Preds.	=	<input type="text"/>
Num of ext. Succs.	=	<input type="text"/>
Num of changed Ops.	=	<input type="text"/>
Group Definition	=	<input type="text"/>
Calendar	=	<input type="text"/>
JCL Variable Table	=	<input type="text"/>
No. of Cond. Preds.	=	<input type="text"/>
No. of Cond. Succs.	=	<input type="text"/>
Subsystem	=	<input type="text"/>

OK Actions Cancel

IWS z/OS – Resulting LTP data

The screenshot displays the XINFO PC Client application window. The 'Table' tab is active in the ribbon menu. On the left, the 'Workspace Tree' pane lists various data sources, with 'Long Term Plan' highlighted. A central message box states 'No data have been found.' with an 'OK' button. A callout bubble points to this message, containing the text: 'There are no Applications, which are modified manually'. The status bar at the bottom indicates the connection: 'Connected as: P392e, file: XX40T#14'.

Information

No data have been found.

OK

There are no Applications, which are modified manually

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 Tools New Library Explorer Chart

Workspace Tree

- Workstations
- Workstation Intervals
- Calendar
- Periods
- Operator Instructions
- Special Resource Def.
- EDWA Criteria
- JCL Variable Dep.
- JCL Variable Tables
- Run Cycle Groups
- Current Plan
- Long Term Plan
- Job Run Times
- SR-Usage based on Job P
- Job Run Times Barchart
- SR-Usage based on Job P
- Job Netplan
- Zeke

Worksp... Worksp... Favourites Shortcuts

Connected as: P392e, file: XX40T#14

IWS z/OS – Search for Planned Start Times

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 'Table' menu is open, showing options like 'Copy', 'Select All', 'Toggle Selection', 'Customize', 'Use Default', 'Use Custom', 'Table Layout', 'Group', 'Statistics', 'All', 'Subtable', 'Graph', 'Show SQL', 'Inverse Filter', 'Tools', 'New', 'Library', and 'Explorer'. A dark blue callout box with white text says 'To search for Current Plan operations ...'. On the left, the 'Workspace Tree' panel lists various items: Workstations, Workstation Intervals, Calendar, Periods, Operator Instructions, Special Resource Def., EDWA Criteria, JCL Variable Dep., JCL Variable Tables, Run Cycle Groups, 'Current Plan' (highlighted with a yellow background), Long Term Plan, Job Run Times, SR-Usage based on Job Run Times, Job Run Times Barchart, SR-Usage based on Job Run Times Bar, and Job Netplan. A dark blue callout box with white text says '... select Current Plan' with a pointer to the 'Current Plan' item. At the bottom, the status bar shows 'Connected as: P392e, file: XX40T#14'.

IWS z/OS – Search for Planned Start Times

TWS z/OS - Current Plan

Jobname =

Application ID =

Appl. Input A. Day = DD.MM.YYYY

Appl. Input A. Time = HH:MM

Adding Function =

Operation Number =

Operation Text =

Workstation =

Status =

Error Code =

Planned Start Day = DD.MM.YYYY

Planned Start Time >= 19:00 AND <= 20:00 HH:MM:SS

Planned End Day = DD.MM.YYYY

Planned End Time = HH:MM:SS

Actual Start Time = HH:MM:SS

Actual End Day = DD.MM.YYYY

Actual End Time = HH:MM:SS

Estim. Dur. (Min) =

Estim. Dur. (HHMMSS) =

Act. Dur. (Min) =

Act. Dur. (HHMMSS) =

Authority Group =

JES Job Number =

Form Number =

Latest Out f. Op. D = DD.MM.YYYY

Latest Out f. Op. T = HH:MM:SS

Actual Actual Day = DD.MM.YYYY

OK Actions Cancel

Which Operations are planned to run between 19:00 and 20:00?

Left click on "Planned Start Day" to get more selection fields ...

IWS z/OS – Search for Planned Start Times

XINFO PC Client - TWS z/OS - Current Plan

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 Explorer Chart

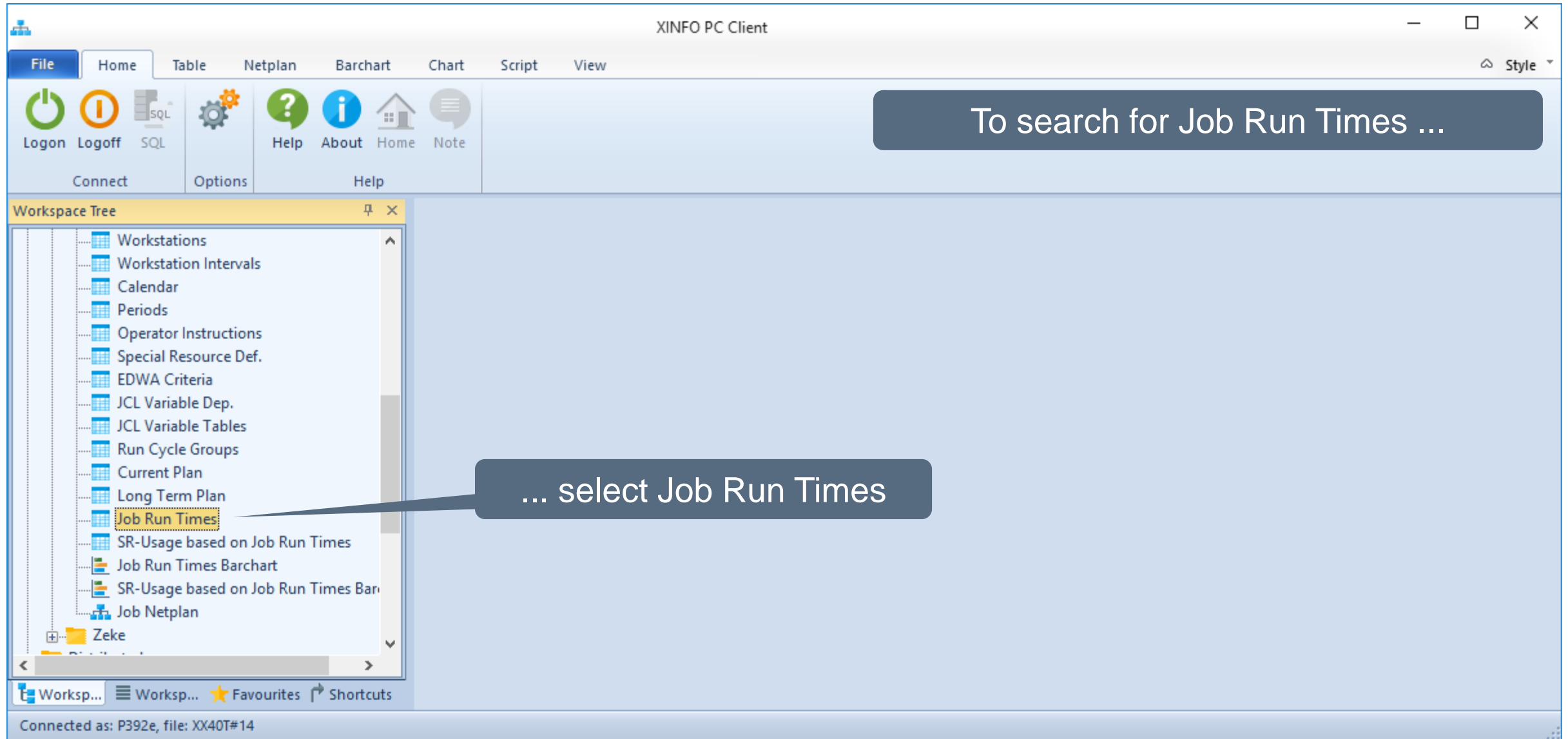
TWS z/OS - Current Plan

Jobname	Application ID	IA-Date	IA-T.	AddF	ON	Operation Text	WSID	S	EnC	PS-Date	PS-T.	PE-Date	PE-T.	AS-Date	AS-T.	AE-Date	AE-T.	OpIA-Date	OpI
<all>	<all>	<all>	<...>	<...>		<all>	<a...>	<...>	<all>	<all>	<all>	<all>	<all>	<all>	<...>	<all>	<...>	<all>	
	HOR85DAY	11.04.2017	06:00		010	20:00	TIME	W		11.04.2017	20:00:00	11.04.2017	20:01:00					11.04.2017	

The result

Connected as: P392e, file: XX40T#25 Lines: 1

IWS z/OS – Search for Error Jobs



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 dark blue callout box in the top right corner contains the text "To search for Job Run Times ...". On the left, the "Workspace Tree" panel lists various items, with "Job Run Times" highlighted. A dark blue callout box with a pointer to this item contains the text "... select Job Run Times". The status bar at the bottom indicates "Connected as: P392e, file: XX40T#14".

XINFO PC Client

File Home Table Netplan Barchart Chart Script View

Logon Logoff SQL Options Help About Home Note

Connect Options Help

Workspace Tree

- Workstations
- Workstation Intervals
- Calendar
- Periods
- Operator Instructions
- Special Resource Def.
- EDWA Criteria
- JCL Variable Dep.
- JCL Variable Tables
- Run Cycle Groups
- Current Plan
- Long Term Plan
- Job Run Times**
- SR-Usage based on Job Run Times
- Job Run Times Barchart
- SR-Usage based on Job Run Times Bar
- Job Netplan

Zeke

Worksp... Worksp... Favourites Shortcuts

Connected as: P392e, file: XX40T#14

To search for Job Run Times ...

... select Job Run Times

IWS z/OS – Search for Error Jobs

The screenshot shows the IWS z/OS Job Run Times search interface. On the left, the 'Workspace Tree' lists various components, with 'Job Run Times' highlighted. The main window, titled 'TWS z/OS - Job Run Times', contains a search form with the following fields and values:

Field	Operator	Value	Separator	Format
Job Start Time	>=	01.03.2015,00:00:00	AND	DD.MM.YYYY,HH:MM:SS
Job Start Time	<=	31.03.2015,00:00:00		
Job End Time	=			DD.MM.YYYY,HH:MM:SS
Duration	=			HH:MM:SS
Duration in Minutes	=			
Status	=	E		
Error Code	=			
Duration valid	=			
Input Arriv	=			DD.MM.YYYY
Input Arriv	=			HH:MM:SS
Jesname	=			
Auto recovery	=			
Owner	=			
Subsystem	=			

Annotations:

- A callout bubble points to the 'Job Start Time' field with the text: "Left click on 'Job Start Time' to get more selection fields and enter search criteria ...".
- A callout bubble points to the 'Status' field with the text: "... and status E ...".

The interface includes a top menu bar (File, Home, Table, Netplan, B), a toolbar with icons for Logon, Logoff, SQL, Options, Help, and About, and a bottom status bar showing the connection: "Connected as: P392e, file: XX40T#14".

IWS z/OS – Search for Error Jobs

TWS z/OS - Job Run Times

GE >=: from 1.3.2015 ...

Job Start Time >= 01.03.2015,00:00:00 AND <= 31.03.2015,00:00:00

LE <=: to 31.3.2015

Connect fields logically (AND/OR)

Job End Time = DD.MM.YYYY,HH:MM:SS

Duration = HH:MM:SS

Duration in Minutes =

Status =

Input Arrival Day = DD.MM.YYYY

Input Arrival Time = HH:MM:SS

Jesname =

Auto recovery =

Owner =

Subsystem =

OK Actions Cancel

IWS z/OS – Resulting Error Jobs

The result can be grouped by Jobname...

OK

IWS z/OS – Resulting Error Jobs

XINFO PC Client - TWS z/OS - Job Run Times (Grouped)

File Home Table Netplan Barchart Script View

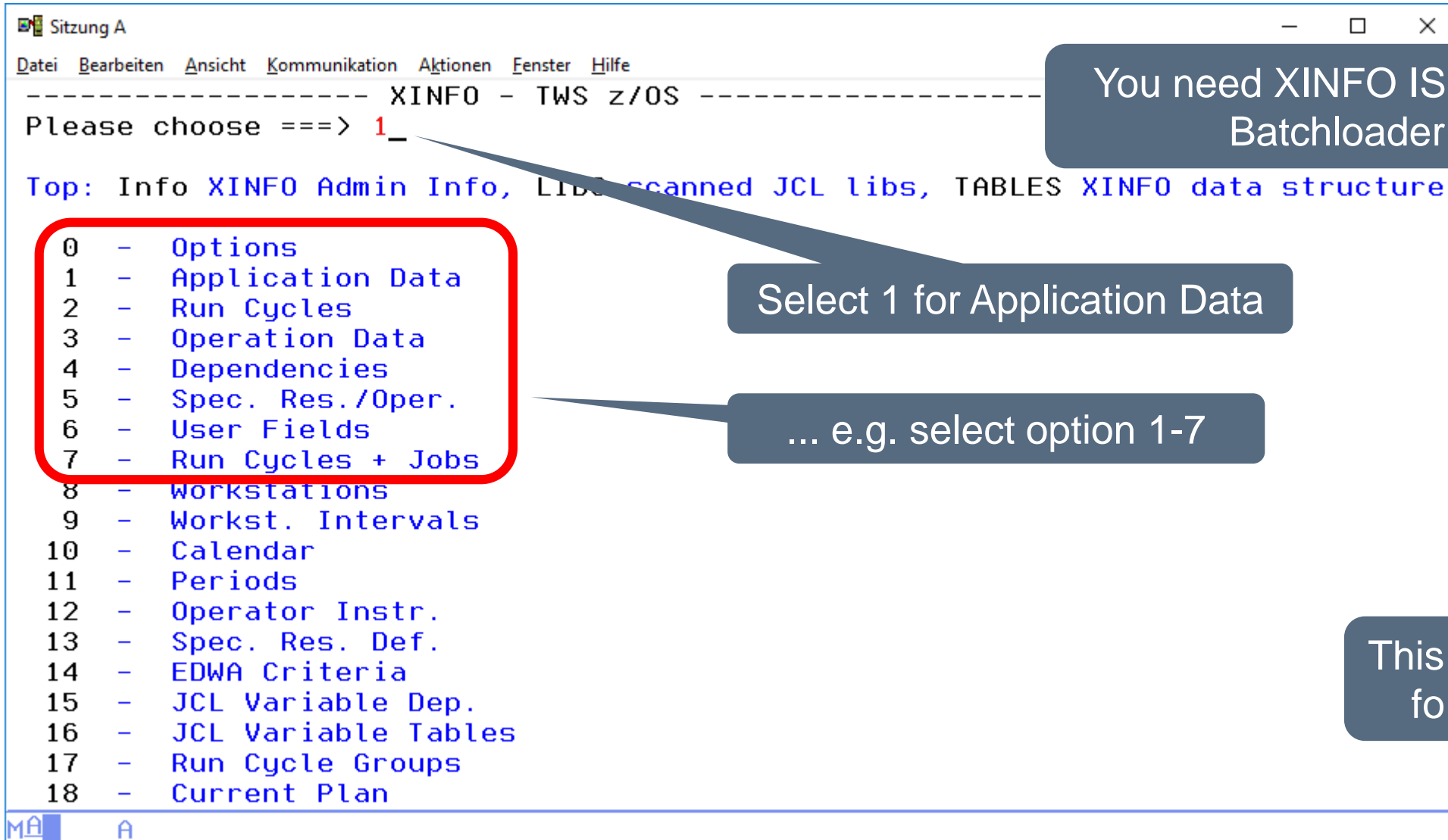
TWS z/OS - Job Run Times TWS z/OS - Job Run Times (Grouped)

Count	Jobname
<all>	<all>
2	#FTPCTM1
2	#FTPCTM2
2	#FTPFIL1
2	#FTPFIL2
2	#FTPFIL3
2	#FTPJAV1
2	#FTPSAP
2	#FTPTWS1
2	#FTPTWS2
2	#FTPUC41
2	#FTPUC42
1	AHZ00012
2	X37JBGJ
2	X37JC1L
2	X37JCDL
2	X37JNATL
2	X37JRMML
2	X37JSMC
2	X37JZKL

Connected as: P392E, file: XX37T#25

Lines: 19

IWS z/OS – Generate batchloader statements



You need XINFO ISPF dialog to generate Batchloader statements ...

Select 1 for Application Data

... e.g. select option 1-7

This shows the ISPF dialog for XINFO – IWS z/OS

IWS z/OS – Generate batchloader statements

Sitzung A

----- Search Arguments TWS z/OS - Application Basics ----- ROW 001 TO 018 OF 023
Command ==> SCROLL ==> PAGE

Top : BATCH Build JCL OPT Options Reset Clear Panel SHOW Show SQL
EditSQL Modify SQL before Execution

Application ID	==> EQ	XINFO*
Description	==> EQ	
Type (A/G)	==> EQ	
Status (A/P)	==> EQ	
Valid From	==> EQ	DD.MM.YYYY
Valid To	==> EQ	DD.MM.YYYY
Priority	==> EQ	
Calendar	==> EQ	
Owner ID	==> EQ	
Owner Description	==> EQ	
Authority Group	==> EQ	
Group Definition	==> EQ	
No. of Run Cycles	==> EQ	
No. of Operations	==> EQ	
Time Limit	==> EQ	
Job Description	==> EQ	
Any Monitored Job?	==> EQ	
Smoothing Factor	==> EQ	

MA A

Search for all applications
with Application ID XINFO* ...

IWS z/OS – Generate batchloader statements

Sitzung A

----- TWS z/OS - Application Basics ----- ROW 001 TO 014 OF 023
Command ==> BG_ SCROLL ==> PAGE

Specify BG ...

Top : Legend SAVE SORT Find STAT LIBS BATCH Arrange EXit
ALL FIX SHOW EditSQL Info Tables Group REFresh

Bottom: ? List all Line Commands S Select 0 Oper SU Succ. P Pred.
R Run Cycles AG GroupAppl A Appl./Group G Gendays LT LTP
SR Spec.Res. RJ Run C./Job OI OpInstr. CL Cal. EC ETT-Crit. ...

Application ID	T	S	Valid From	Valid To	Run	Op	Description	P
XINF0DB2DEMO	A	A	28.01.2004	31.12.2071	1	7	Sample DB2 batch appl	5
XINF0DB2DEMOT	A	A	13.03.2013	31.12.2071	1	3	Sample DB2 batch appl	5
XINFOITCD	A	P	30.11.2012	31.12.2071	1	18	XINFO ITC-Charts daily	5
XINFOITCM	A	P	30.11.2012	31.12.2071	1	9	XINFO ITC-Charts monthly	5
XINFOITC37D	A	A	26.04.2015	31.12.2071	1	17	XINFO ITC-Charts daily	5
XINFOITC37M	A	A	26.04.2015	31.12.2071	1	9	XINFO ITC-Charts monthly	5
XINFOTWP	A	P	30.11.2012	31.12.2071	1	4	XINFO ITC/TWP daily	5
XINFOTWP37	A	A	26.04.2015	31.12.2071	1	4	XINFO ITC/TWP daily	5
XINF035	A	P	19.07.2010	31.12.2071	1	93	XINFO Scanner	5
XINF035DS	A	P	07.06.2012	31.12.2071	1	11	XINFO DS merge/load	5
XINF035ITCD	A	P	30.11.2012	31.12.2071	1	12	XINFO ITC-Charts daily	5
XINF035ITCM	A	P	30.11.2012	31.12.2071	1	9	XINFO ITC-Charts monthly	5
XINF035TWP	A	P	30.11.2012	31.12.2071	1	4	XINFO ITC/TWP daily	5
XINF036	A	P	19.07.2010	31.12.2071	1	93	XINFO V3R6	5

MA A

IWS z/OS – Generate batchloader statements

Sitzung A

----- TWS z/OS - Application Basics ----- ROW 001 TO 014 OF 023
 Command ===> BG SCROLL ===> PAGE

Top : Le
 AL
 Bottom: ?
 R
 SR

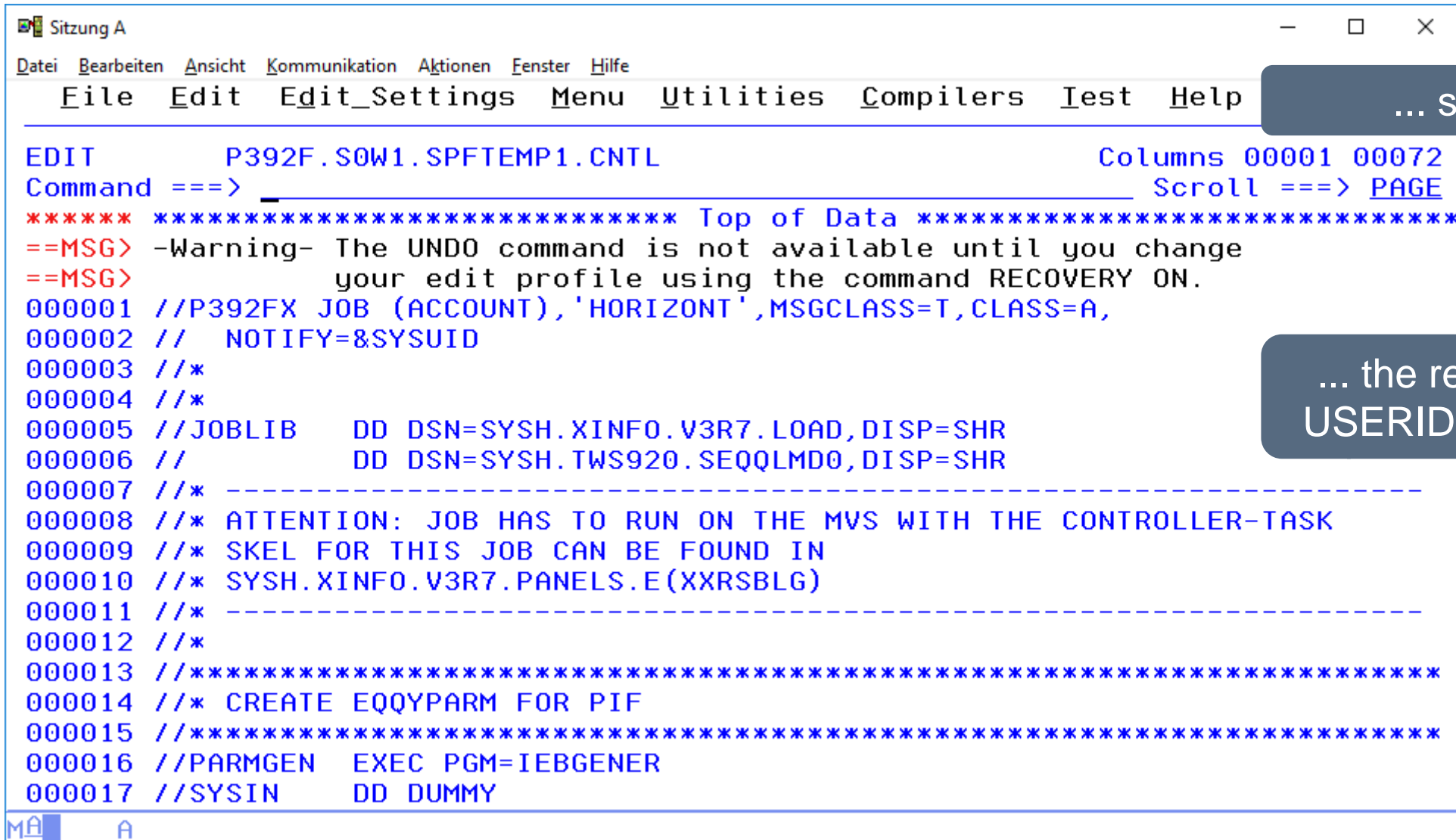
Applica
 ___ XINF0DB
 ___ XINF0DB
 ___ XINFOIT
 ___ XINFOIT
 ___ XINFOIT
 ___ XINFOIT
 ___ XINF0TW
 ___ XINF0TWP37
 ___ XINF035
 ___ XINF035DS
 ___ XINF035ITCD
 ___ XINF035ITCM
 ___ XINF035TWP
 ___ XINF036

COMMAND ===> _
 Batchload-Generation:
 Create BL-Statements for AD ? Y/N ===> Y
 Create BL-Statements for OI ? Y/N ===> Y
 Generate with ENTER or PF3. To suppress enter Cancel.

... specify parameters ...

Application	Type	Start Date	End Date	Frequency	Status	Description
XINF0DB						
XINF0DB						
XINFOIT						
XINFOIT						
XINFOIT						
XINFOIT						
XINFOIT						
XINF0TW						
XINF0TWP37	A A	26.04.2015	31.12.2071	1	1	XINFO ITC/TWP daily
XINF035	A P	19.07.2010	31.12.2071	1	1	XINFO Scanner
XINF035DS	A P	07.06.2012	31.12.2071	1	1	XINFO DS merge/load
XINF035ITCD	A P	30.11.2012	31.12.2071	1	12	XINFO ITC-Charts daily
XINF035ITCM	A P	30.11.2012	31.12.2071	1	9	XINFO ITC-Charts monthly
XINF035TWP	A P	30.11.2012	31.12.2071	1	4	XINFO ITC/TWP daily
XINF036	A P	19.07.2010	31.12.2071	1	93	XINFO V3R6

IWS z/OS – Generate batchloader statements



```
Sitzung A
Datei Bearbeiten Ansicht Kommunikation Aktionen Fenster Hilfe
File Edit Edit_Settings Menu Utilities Compilers Test Help

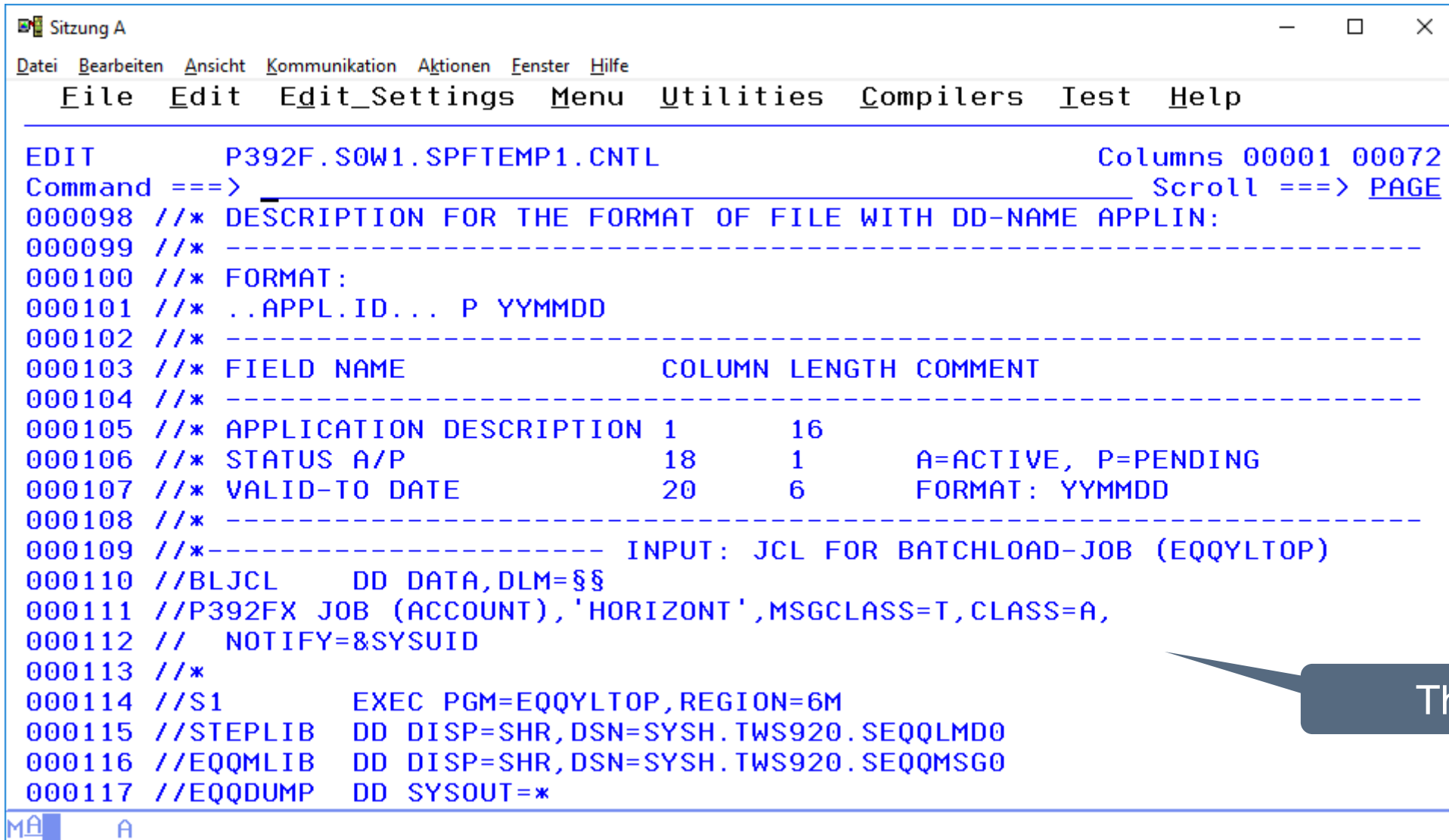
EDIT          P392F.S0W1.SPFTEMP1.CNTL          Columns 00001 00072
Command ==> _____ Scroll ==> PAGE

***** ***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG>          your edit profile using the command RECOVERY ON.
000001 //P392FX JOB (ACCOUNT),'HORIZONT',MSGCLASS=T,CLASS=A,
000002 //  NOTIFY=&SYSUID
000003 //*
000004 //*
000005 //JOBLIB      DD DSN=SYSH.XINFO.V3R7.LOAD,DISP=SHR
000006 //              DD DSN=SYSH.TWS920.SEQQLMD0,DISP=SHR
000007 //* -----
000008 //* ATTENTION: JOB HAS TO RUN ON THE MVS WITH THE CONTROLLER-TASK
000009 //* SKEL FOR THIS JOB CAN BE FOUND IN
000010 //* SYSH.XINFO.V3R7.PANELS.E(XXRSBLG)
000011 //* -----
000012 //*
000013 //*****
000014 //* CREATE EQQYPARM FOR PIF
000015 //*****
000016 //PARMGEN      EXEC PGM=IEBGENER
000017 //SYSIN        DD DUMMY
```

... submit job ...

... the result is written to
USERID.XINFO.BATCHL

IWS z/OS – Generate batchloader statements



```
Sitzung A
Datei Bearbeiten Ansicht Kommunikation Aktionen Fenster Hilfe
File Edit Edit_Settings Menu Utilities Compilers Test Help

EDIT          P392F.S0W1.SPFTEMP1.CNTL          Columns 00001 00072
Command ==> _____ Scroll ==> PAGE
000098 /** DESCRIPTION FOR THE FORMAT OF FILE WITH DD-NAME APPLIN:
000099 /** -----
000100 /** FORMAT:
000101 /** ..APPL.ID... P YYMMDD
000102 /** -----
000103 /** FIELD NAME                COLUMN LENGTH COMMENT
000104 /** -----
000105 /** APPLICATION DESCRIPTION 1      16
000106 /** STATUS A/P              18     1      A=ACTIVE, P=PENDING
000107 /** VALID-TO DATE          20     6      FORMAT: YYMMDD
000108 /** -----
000109 /**----- INPUT: JCL FOR BATCHLOAD-JOB (EQQYLTOP)
000110 /**BLJCL      DD DATA,DLM=$$
000111 /**P392FX JOB (ACCOUNT), 'HORIZONT',MSGCLASS=T,CLASS=A,
000112 /** NOTIFY=&SYSUID
000113 /**
000114 /**S1         EXEC PGM=EQQYLTOP,REGION=6M
000115 /**STEPLIB    DD DISP=SHR,DSN=SYSH.TWS920.SEQQLMD0
000116 /**EQQMLIB    DD DISP=SHR,DSN=SYSH.TWS920.SEQQMSG0
000117 /**EQQDUMP    DD SYSOUT=*
```

The result!

Thanks for your attention! Do you have any questions?

The logo for 'HORIZONT' is displayed in a large, sans-serif font. The letter 'H' is dark grey, followed by a red circle, and then the letters 'ORIZONT' in dark grey. To the left of the red circle is a yellow triangle. Above the 'H' is a blue square. Below the 'O' is a blue square. To the right of the 'T' is a yellow circle. A large red curved shape is on the left side of the slide.

HORIZONT

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