



HORIZONT

XINFO - Scanner DS - Automic

Preamble

- In that file we are using the expression “Automic” (former “UC4”).
- Examples, parameters, technical expressions, etc. may still use the old expression “UC4” instead of “Automic”.

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

e.g. jump to slide Agenda

Click on this symbol to jump to the overview slide

AGENDA

XINFO - Scanner DS - Automic

What is XINFO?

Technical Overview

XINFO and Automic

Automic - Selection

Automic - Job Definitions

Automic - File Transfers

Automic - Calendar

XINFO – Line Commands

Automic - Runtimes

Automic - Job Netplan

Automic - Sync Usage

ACTIVATE_UC_OBJECT

Post Script Activation

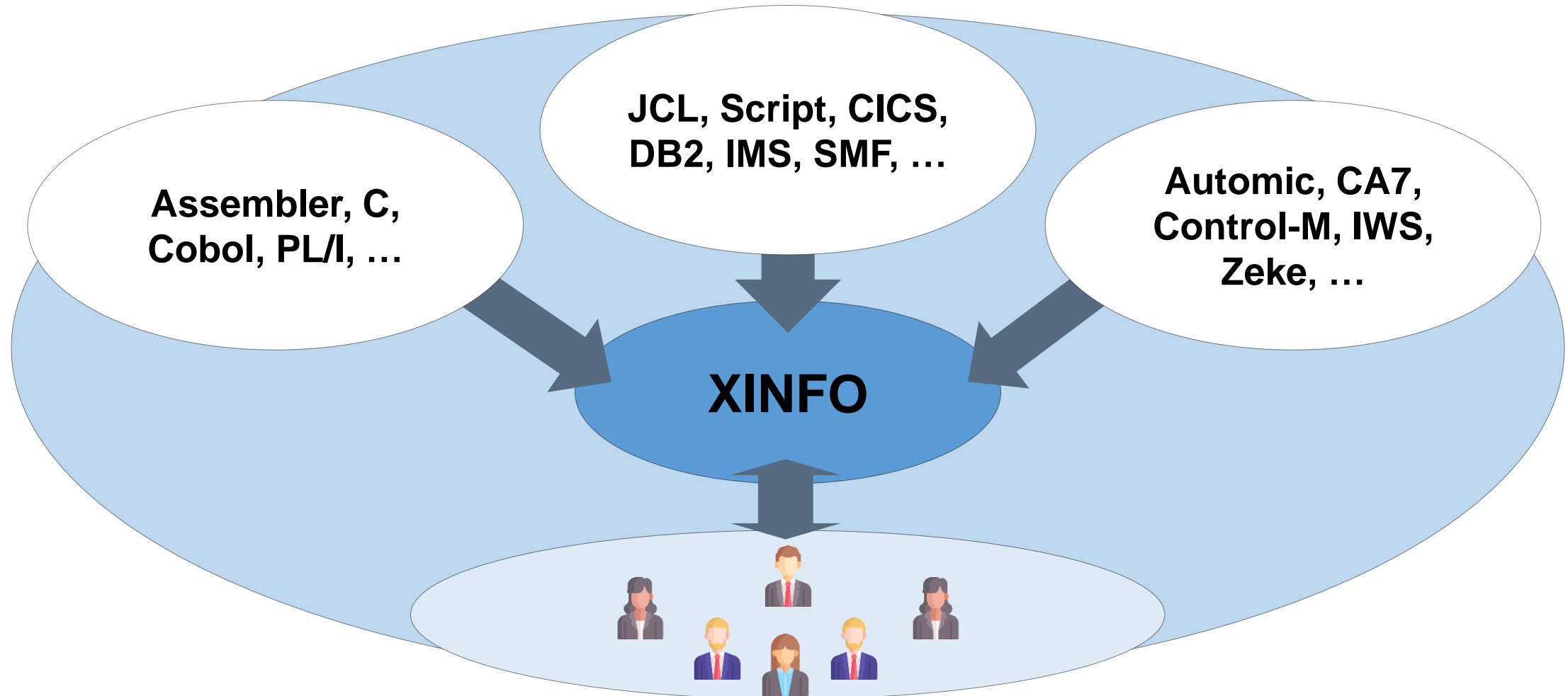
Inactive Objects

Deleted Objects

Batch Interface

What is XINFO?

A complete cross referencing tool for reporting and to analyze data from a wide variety of systems of the datacenter:

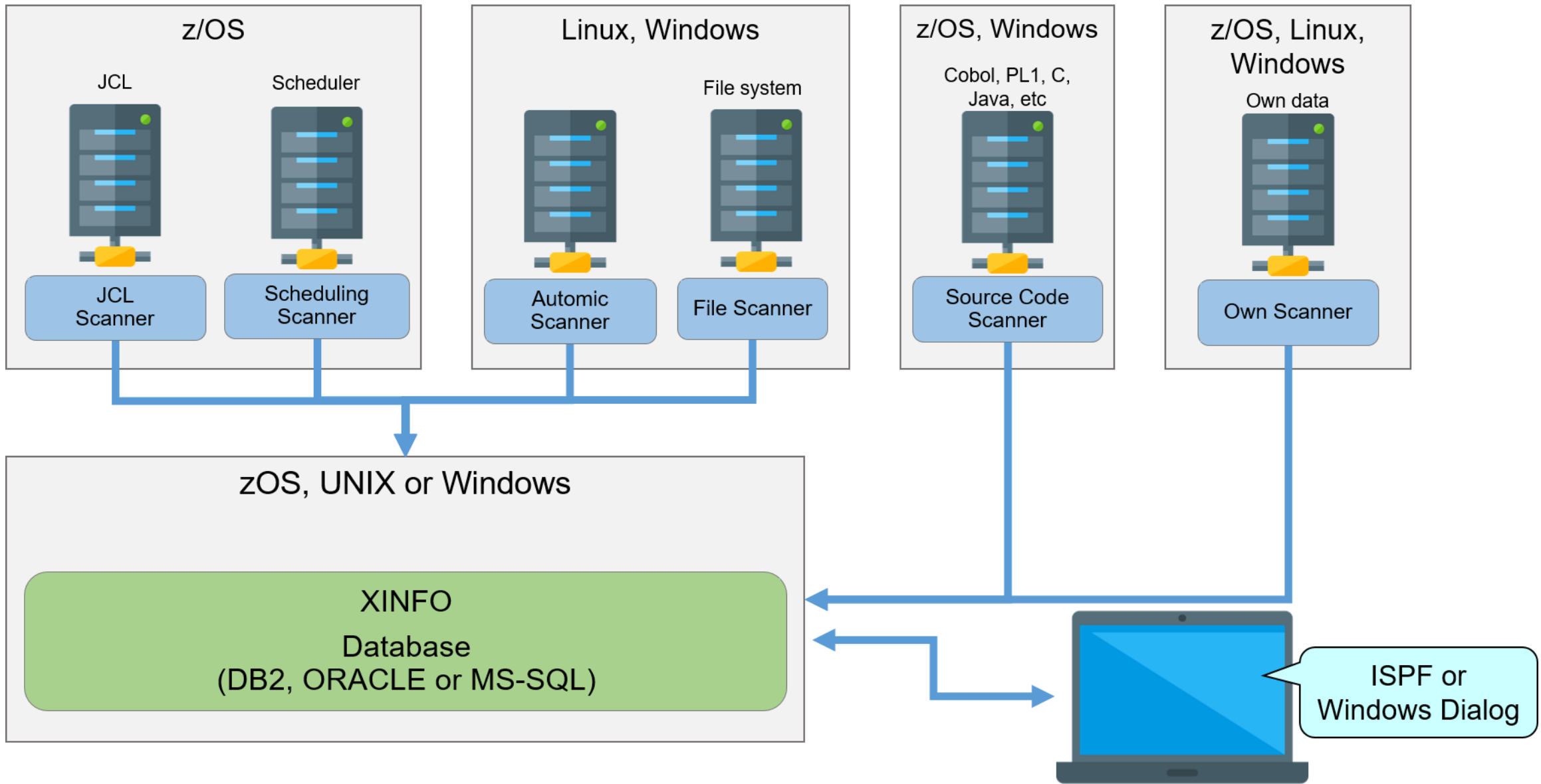


What is XINFO?

XINFO is an IT information system. It enables you to cross reference data from various systems.

- XINFO analyzes your Automic definitions
- XINFO analyzes z/OS, UNIX und Windows data: JCL, job and programm run times, etc.
- XINFO analyzes SAP Systems
- XINFO loads the result into a database
- XINFO has dialogs to query and visualize the data

Technical Overview



Typical Questions

A major part of daily work consists of gathering information. XINFO enables you to access that information. Some typical questions are:

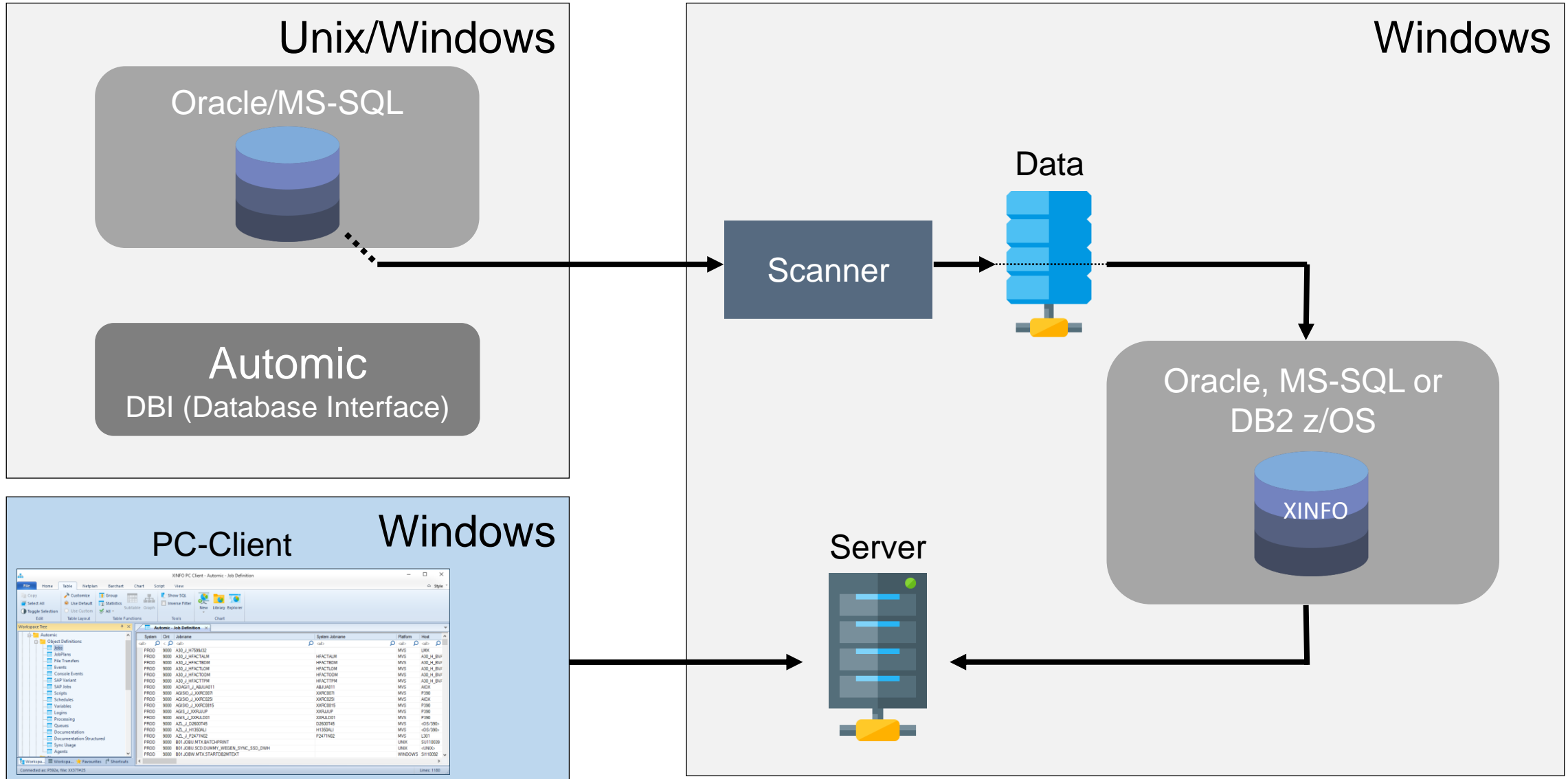
- Which successors has a Job?
- Which jobs run on which Agents?
- What is the average runtime of a job?
- Which Jobs are not longer used?
- Where is a SYNC used?
- When did the Job run last time?
- Which Jobs are inactive?
- What is the critical Path?

Who needs XINFO?

Everyone, who is involved in batch production, especially:

- Production Planning
- System Administrators
- Application Programming
- Project Groups (Merger, Migration, Implementation)
- ...

XINFO Automatic Architecture



XINFO and Automic

XINFO is a useful Automic add-on and offers:

- Universal job netplans (flowcharts), through all JobPlans. You can analyze and optimize all dependencies at job level.
- Fast and powerful search function. You can combine all properties of all objects. Helps to:
 - Do some evaluations like “which jobs run on server xy?” (even if the host name is set by a variable)
 - Automatic check your naming standards and rules
 - “unlimited” job run time information, to discharge the Automic Database
- Easy to use: Enables everybody to get Automic information

XINFO and Automic

The XINFO Automic Interface analyzes following Data:

- Object Definitions: JobPlan, Jobs, File Transfer, Events, etc. for all platforms
- Pre-Script, Script, Post Script including script functions and variables (at z/OS optional output of the JCL “as it will run“)
- Schedules
- Sync usage
- SAP Variants in Automic Jobs
- Statistics, job run times
- Forecast (no own XINFO forecast)
- Activities
- Revision reports

Automatic – Selection

The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left lists various categories under 'Scheduler' and 'Automatic'. The 'Object Definitions' folder is highlighted with a red rounded rectangle. A callout box points to this folder with the text 'Cross-Reference for Automatic data'. The main area of the client is a light blue background. A dark blue callout box in the top right corner contains the text 'The PC Client gives you easy access to the data:'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

File Home Table Netplan Barchart Chart Script View

Workspace Tree

- Scheduler
 - Automatic
 - Object Definitions**
 - Jobs
 - JobPlans
 - File Transfers
 - Events
 - Console Events
 - SAP Variant
 - SAP Jobs
 - Scripts
 - Schedules
 - Variables
 - Logins
 - Processing
 - Queues
 - Documentation
 - Documentation Structured
 - Sync Usage
 - Agents
 - Plans
 - Objects in Plan
 - Task Properties
 - Conditions/Actions
 - Calendar

Style

Connected as: P392e, file: XX40T#25

The PC Client gives you easy access to the data:

Cross-Reference for Automatic data

Automic – Selection

The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left is divided into two main sections highlighted with red rounded rectangles. The top section, 'Run-Data', includes items like Activities, Runtimes, Transferred Files, Revision Report, Comments, Recurring Tasks, Sync Conflicts, and Forecast. A callout box points to this section with the text 'Job-History and Forecast'. The bottom section, 'Graphics', includes Workflow, Netplan, Netplan (without SYNC, ACTIVATE), Object Hierarchy, Runtime Barchart, and Activities Netplan. A callout box points to this section with the text 'Graphical Netplan and Barchart'. A larger callout box on the right side of the interface states 'The PC Client gives you easy access to the data:'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

The PC Client gives you easy access to the data:

Job-History and Forecast

Graphical Netplan and Barchart

Automatic – Job Definitions

Automatic - Job Definition

Automatic-System	=	
Automatic-Client	=	1000
Jobname	=	
System Jobname	=	
Platform	=	UNIX
Host	=	
Jobtitle	=	
Creation Date	=	DD MM YYYY HH-MM-SS
Creation User	=	
Last Update Date	=	
Last Update User	=	
Last Used Date	=	
Usage Counter	=	
Active Y/N	=	
Archive Key 1	=	INET1.P01
Archive Key 2	=	
Int. Account	=	

Est. RunTime (Sec) =

DD MM YYYY HH-MM-SS

OK Actions Cancel

Search for all UNIX-JOBS with Archive Key INET1.P01

Automatic – Job Definitions

The Jobs

System	Clnt	Jobname	System Jobname	Platform	Host	Title	ArchKey1	Creation Date	Creation User	Last Update Date	Last Upd
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
1000		JOBS.UX.INET1.P01.ARCHIVE		UNIX	mpxalinet40	Backup archive log	INET1.P01	11.11.2014,09:42:20	PAVELP/ADM	11.11.2014,09:42:21	PAVELP/
1000		JOBS.UX.INET1.P01.BACKUP		UNIX	mpxalinet40	inet backup	INET1.P01	11.11.2014,09:42:21	PAVELP/ADM	11.11.2014,09:42:21	PAVELP/
1000		JOBS.UX.INET1.P01.CHECK_DBS		UNIX	mpxalinet40	Compare database on Primary and S...	INET1.P01	11.11.2014,09:42:21	PAVELP/ADM	11.11.2014,09:42:21	PAVELP/
1000		JOBS.UX.INET1.P01.CHECK_MMGROUP		UNIX	mpxalinet40	Run inconsistency check on the tab...	INET1.P01	11.11.2014,09:42:21	PAVELP/ADM	11.11.2014,09:42:21	PAVELP/
1000		JOBS.UX.INET1.P01.COPY_OMX_LOGFILES		UNIX	mpxalinet40	Copy latest _asts to OMX Support Box	INET1.P01	11.11.2014,09:42:21	PAVELP/ADM	11.11.2014,09:42:21	PAVELP/
1000		JOBS.UX.INET1.P01.COPY_TPS_LOGFILES		UNIX	mpxalinet40	Copy logs for TPS	INET1.P01	11.11.2014,09:42:21	PAVELP/ADM	11.11.2014,09:42:22	PAVELP/
1000		JOBS.UX.INET1.P01.CREATE_REVIEW_DIR		UNIX	mpxalinet40	unpack tar and create review dir	INET1.P01	11.11.2014,09:42:22	PAVELP/ADM	11.11.2014,09:42:22	PAVELP/
1000		JOBS.UX.INET1.P01.DB_LOAD		UNIX	mpxalinet23	load database from Persistence Ser...	INET1.P01	11.11.2014,09:42:22	PAVELP/ADM	11.11.2014,09:42:22	PAVELP/
1000		JOBS.UX.INET1.P01.DISABLE_PATROL		UNIX	mpxalinet40	Stop patrol alarming for inet alerts	INET1.P01	11.11.2014,09:42:22	PAVELP/ADM	11.11.2014,09:42:22	PAVELP/
1000		JOBS.UX.INET1.P01.DISABLE_THROTTLI...		UNIX	<UNIX>	Start the DISABLE_THROTTLING	INET1.P01	11.11.2014,09:42:22	PAVELP/ADM	11.11.2014,09:42:22	PAVELP/
1000		JOBS.UX.INET1.P01.DSI_LOAD		UNIX	mpxalinet40	Load DSI data	INET1.P01	11.11.2014,09:42:22	PAVELP/ADM	11.11.2014,09:42:22	PAVELP/
1000		JOBS.UX.INET1.P01.ENABLE_PATROL		UNIX	mpxalinet40	Start patrol alarming for inet alerts	INET1.P01	11.11.2014,09:42:23	PAVELP/ADM	11.11.2014,09:42:23	PAVELP/
1000		JOBS.UX.INET1.P01.ENABLE_THROTTLI...		UNIX	<UNIX>	Start the ENABLE_THROTTLING	INET1.P01	11.11.2014,09:42:23	PAVELP/ADM	11.11.2014,09:42:23	PAVELP/
1000		JOBS.UX.INET1.P01.EXPORT_DB		UNIX	mpxalinet40	export database	INET1.P01	11.11.2014,09:42:23	PAVELP/ADM	11.11.2014,09:42:23	PAVELP/
1000		JOBS.UX.INET1.P01.FIX_VERIFICATION_DB		UNIX	mpxalinet40	Change DB name in Systemparams t...	INET1.P01	11.11.2014,09:42:23	PAVELP/ADM	11.11.2014,09:42:23	PAVELP/
1000		JOBS.UX.INET1.P01.HOUSEKEEPING		UNIX	mpxalinet40	Extract logs archive to lastlogs	INET1.P01	11.11.2014,09:42:23	PAVELP/ADM	11.11.2014,09:42:23	PAVELP/
1000		JOBS.UX.INET1.P01.IMPORT_DB		UNIX	mpxalinet40	import database	INET1.P01	11.11.2014,09:42:24	PAVELP/ADM	11.11.2014,09:42:24	PAVELP/
1000		JOBS.UX.INET1.P01.SET_MAINTENANCE		UNIX	mpxalinet40	set maintenance	INET1.P01	11.11.2014,09:42:24	PAVELP/ADM	11.11.2014,09:42:24	PAVELP/
1000		JOBS.UX.INET1.P01.START_COPY_INTR...		UNIX	mpxalinet40	Start copying intraday logs	INET1.P01	11.11.2014,09:42:24	PAVELP/ADM	11.11.2014,09:42:24	PAVELP/
1000		JOBS.UX.INET1.P01.START_INFORMIX		UNIX	mpxalinet40	start informix	INET1.P01	11.11.2014,09:42:24	PAVELP/ADM	11.11.2014,09:42:24	PAVELP/
1000		JOBS.UX.INET1.P01.START_MON_DISCO...		UNIX	mpxalinet40	start monitoring disco	INET1.P01	11.11.2014,09:42:24	PAVELP/ADM	11.11.2014,09:42:25	PAVELP/
1000		JOBS.UX.INET1.P01.START_SEQ		UNIX	mpxalinet40	start sequence	INET1.P01	11.11.2014,09:42:24	PAVELP/ADM	11.11.2014,09:42:25	PAVELP/
1000		JOBS.UX.INET1.P01.START_TSGW		UNIX	mpxalinet40	start tsgw	INET1.P01	11.11.2014,09:42:24	PAVELP/ADM	11.11.2014,09:42:25	PAVELP/
1000		JOBS.UX.INET1.P01.STOP_COPY_INTRA...		UNIX	mpxalinet40	stop copying intraday logs	INET1.P01	11.11.2014,09:42:24	PAVELP/ADM	11.11.2014,09:42:25	PAVELP/

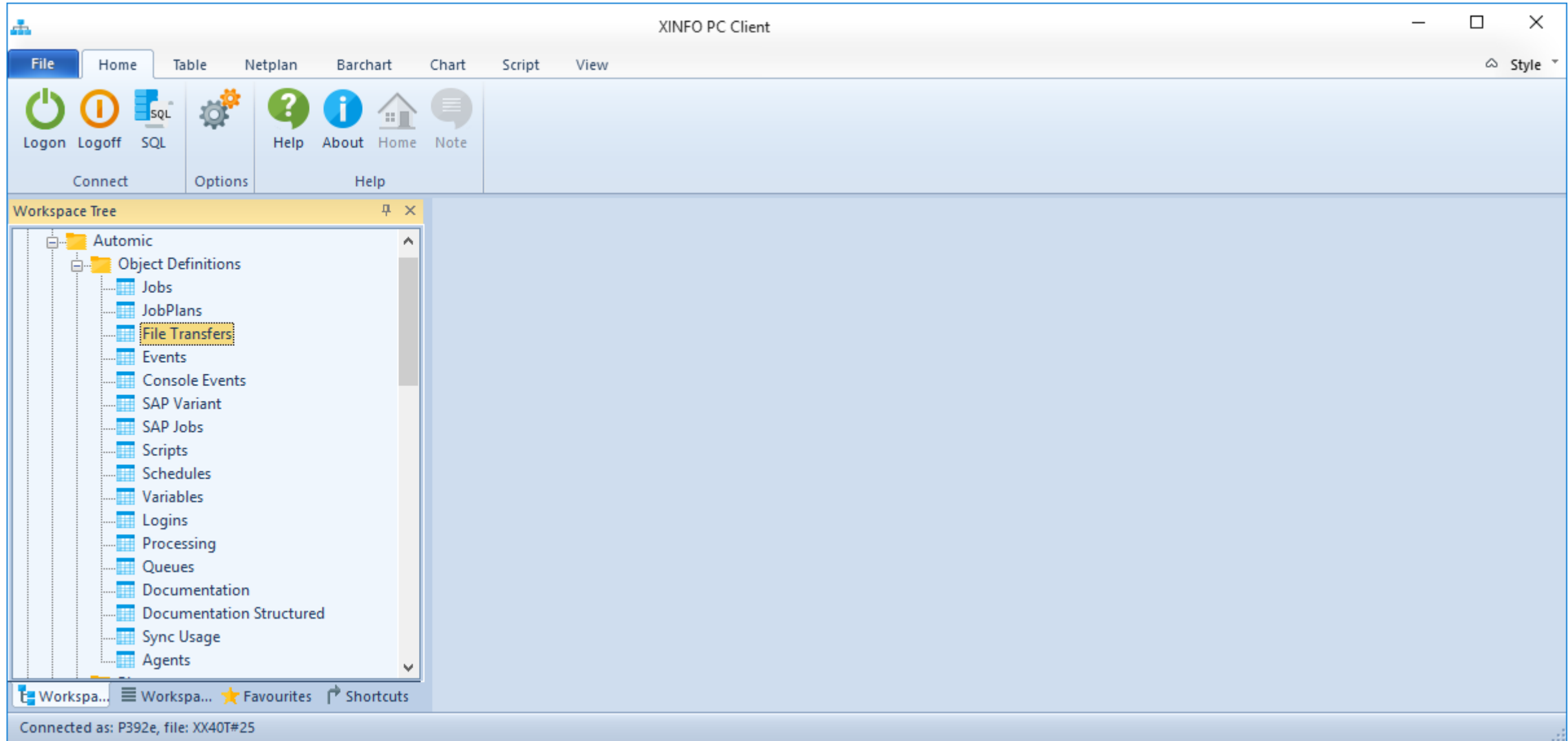
HOST and LOGIN are also determined from pre-Script and script

Archiv keys of the jobs

Connected as: P392E, file: XX37T#25

Lines: 36

Automic – File Transfers



Automatic – File Transfers

Automatic - File Transfers

Archive Key 1	=	▼	
Archive Key 2	=	▼	
Int. Account	=	▼	
Max. Parallel	=	▼	
Max. Par. Else	=	▼	
Priority	=	▼	
Time Zone	=	▼	
Attrib. Dialog Y/N	=	▼	
Gen. at Runtime Y/N	=	▼	
Auto. Deactivation	=	▼	
Deact. Delay (Days)	=	▼	
Deact. Delay (Mins)	=	▼	
Deact. When Status	=	▼	

From - Host	=	▼	PC39
From - Login	=	▼	
From - Code	=	▼	
From - File	=	▼	
From - File Attr.	=	▼	
To - Host	=	▼	
To - Login	=	▼	
To - Code	=	▼	
To - File	=	▼	
To - File Attr	=	▼	
Use Wildcards Y/N	=	▼	
Max. Par. Transfers	=	▼	
Incl. Subdirs Y/N	=	▼	
Erase Src File Y/N	=	▼	Y
Transfer Format	=	▼	
File Exists	=	▼	
Return Code Max OK	=	▼	
Return Else Execute	=	▼	
Est. RunTime (Sec)	=	▼	
ERT (HHHH.MM.SS)	=	▼	

OK Actions ▼ Cancel

Which files came from Server XY ...

... and delete the source file

Automatic – File Transfers

The screenshot shows the 'Automatic - File Transfers' window in XINFO PC Client. The window title is 'XINFO PC Client - Automatic - File Transfers'. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with various icons for actions like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, Show SQL, Inverse Filter, New, Library, and Explorer. The main area displays a table with the following columns: System, Clnt, From-Host, From-Login, From-Code, From-File, From-FileAttr, To-Host, To-Login, To-Code, To-File, To-FileAttr, and Wild. The table contains one data row for a file transfer configuration. Red boxes highlight the 'From-File' and 'To-File' columns. Callouts point to these columns with labels 'From-File' and 'To File'. A larger callout at the bottom states 'File Transfer shows also definitions of RA - Agent'. The status bar at the bottom indicates 'Connected as: P392e, file: XX37T#25' and 'Lines: 1'.

System	Clnt	From-Host	From-Login	From-Code	From-File	From-FileAttr	To-Host	To-Login	To-Code	To-File	To-FileAttr	Wild
PROD	0010	PC39	LOGIN.PC39.UC4		/export/spare/repositories/subversion_backup_*		PC48	LOGIN.PC48.UC4		F:\backups_svn\subversion_backup_*		Y

Automatic – File Transfers

The screenshot displays the Automatic File Transfers application. On the left, a workspace tree shows a table with columns 'System', 'Clnt', and 'From-Host'. The selected row is 'PROD', '0010', 'PC39'. The main area shows a 'Details' window with a list of properties and their values. A callout box points to the 'Usage Counter' property, stating: 'All properties of the File Transfer-Object can be used for searching and can be combined'.

Name	Value
Automatic-System	PROD
Automatic-Client	0010
Object Name	JOBF.TEST_PC39_PC48
Object Title	test ftp pc39 -> pc48
Creation Date	28.03.2012,12:34:56
Creation User	
Last Update Date	28.03.2012,12:34:56
Last Update User	
Last Used Date	
Usage Counter	0
Active Y/N	Y
Archive Key 1	
Archive Key 2	
Int. Account	
Max. Parallel	0
Max. Par. Else	
Priority	0
Time Zone	
Attrib. Dialog Y/N	N
Gen. at Runtime Y/N	N
Auto. Deactivation	Always
Deact. Delay (Days)	0
Deact. Delay (Mins)	
Deact. When Status	
From - Host	PC39
From - Login	LOGIN.PC39.UC4
From - Code	
From - File	/export/spare/repositories/subversion_backup_*
From - File Attr	

Automatic – Calendar

The screenshot displays the XINFO PC Client interface. The 'Automatic - Calendar' dialog box is open, showing a list of fields for configuration. The 'Keyword' field is highlighted with a red box and contains the text 'MONDAY'. A callout bubble points to this field with the text 'Which objects are using this calendar keyword'. The background shows a workspace tree with folders like Scheduler, Automatic, and Plans.

Field	Value
Automatic-System	=
Automatic-Client	=
Calendar	=
Keyword	MONDAY
Plan Name	=
Object Name	=
Line Number	=
Calendar Number	=

Which objects are using this calendar keyword

Automatic – Calendar

... this calendar key

System	Clnt	Calendar	Keyword	Plan Name	Object Name	Line	CalNo	Run Number
PROD	0010	CALE.HORIZONT	MONDAY	TEST_JOBPLAN_JOBP	TEST_JOBPLAN2	2	1	
PROD	0010	CALE.HORIZONT	MONDAY	JOBP.MASTER.DAY	JOBP.OA5.REPORT03_MAIL	8	1	

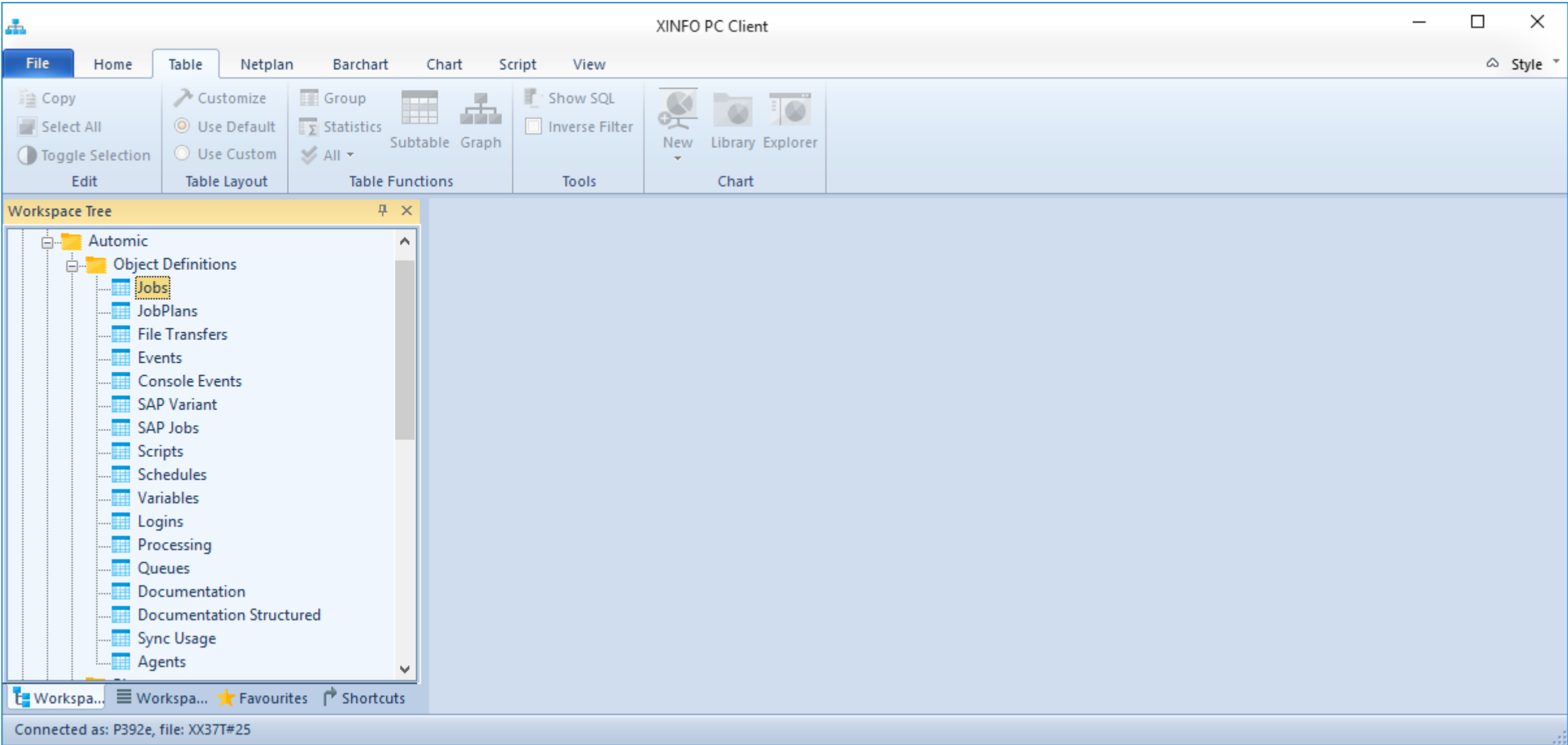
In this JobPlans ...

... this objects (JOBS, JOBP etc.) are using ...

Connected as: P392e, file: XX37T#25

Lines: 2

XINFO – Line Commands



XINFO – Line Commands

On all results displays you can use “right mouse click” to “jump” directly to other XINFO data

System	Clnt	Jobname	Platform	Host	Title
PROD	0010	JOBZ.XINFO35.XXRJCM1			
PROD	0010	JOBZ.XINFO35.XXRJCM2			
PROD	0010	JOBZ.XINFO35.XXRJCM3			
PROD	0010	JOBZ.XINFO35.XXRJCM4			
PROD	0010	JOBZ.XINFO35.XXRJCM5			
PROD	0010	JOBZ.XINFO35.XXRJCM6			
PROD	0010	JOBZ.XINFO35.XXRJCM7			
PROD	0010	JOBZ.XINFO35.XXRJCM8			
PROD	0010	JOBZ.XINFO35.XXRJCM9			
PROD	0010	JOBZ.XINFO35.XXRJCM10			
PROD	0010	JOBZ.XINFO35.XXRJCM11			
PROD	0010	JOBZ.XINFO35.XXRJCM12			
PROD	0010	JOBZ.XINFO35.XXRJCM13			
PROD	0010	JOBZ.XINFO35.XXRJCM14			
PROD	0010	JOBZ.XINFO35.XXRJCM15			
PROD	0010	JOBZ.XINFO35.XXRJCM16			
PROD	0010	JOBZ.XINFO35.XXRJCM17			
PROD	0010	JOBZ.XINFO35.XXRJCM18			
PROD	0010	JOBZ.XINFO35.XXRJCM19			
PROD	0010	JOBZ.XINFO35.XXRJCM20			
PROD	0010	JOBZ.XINFO35.XXRJCM21			
PROD	0010	JOBZ.XINFO35.XXRJCM22			
PROD	0010	JOBZ.XINFO35.XXRJCM23			
PROD	0010	JOBZ.XINFO35.XXRJCM24			
PROD	0010	JOBZ.XINFO35.XXRJCM25			
PROD	0010	JOBZ.XINFO35.XXRJCM26			
PROD	0010	JOBZ.XINFO35.XXRJCM27			
PROD	0010	JOBZ.XINFO35.XXRJCM28			
PROD	0010	JOBZ.XINFO35.XXRJCM29			
PROD	0010	JOBZ.XINFO35.XXRJCM30			
PROD	0010	JOBZ.XINFO35.XXRJCM31			
PROD	0010	JOBZ.XINFO35.XXRJCM32			
PROD	0010	JOBZ.XINFO35.XXRJCM33			
PROD	0010	JOBZ.XINFO35.XXRJCM34			
PROD	0010	JOBZ.XINFO35.XXRJCM35			
PROD	0010	JOBZ.XINFO35.XXRJCM36			
PROD	0010	JOBZ.XINFO35.XXRJCM37			
PROD	0010	JOBZ.XINFO35.XXRJCM38			
PROD	0010	JOBZ.XINFO35.XXRJCM39			
PROD	0010	JOBZ.XINFO35.XXRJCM40			
PROD	0010	JOBZ.XINFO35.XXRJCM41			
PROD	0010	JOBZ.XINFO35.XXRJCM42			
PROD	0010	JOBZ.XINFO35.XXRJCM43			
PROD	0010	JOBZ.XINFO35.XXRJCM44			
PROD	0010	JOBZ.XINFO35.XXRJCM45			
PROD	0010	JOBZ.XINFO35.XXRJCM46			
PROD	0010	JOBZ.XINFO35.XXRJCM47			
PROD	0010	JOBZ.XINFO35.XXRJCM48			
PROD	0010	JOBZ.XINFO35.XXRJCM49			
PROD	0010	JOBZ.XINFO35.XXRJCM50			
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PROD	0010	JOBZ.XINFO35.XXRJCM57			
PROD	0010	JOBZ.XINFO35.XXRJCM58			
PROD	0010	JOBZ.XINFO35.XXRJCM59			
PROD	0010	JOBZ.XINFO35.XXRJCM60			
PROD	0010	JOBZ.XINFO35.XXRJCM61			
PROD	0010	JOBZ.XINFO35.XXRJCM62			
PROD	0010	JOBZ.XINFO35.XXRJCM63			
PROD	0010	JOBZ.XINFO35.XXRJCM64			
PROD	0010	JOBZ.XINFO35.XXRJCM65			
PROD	0010	JOBZ.XINFO35.XXRJCM66			
PROD	0010	JOBZ.XINFO35.XXRJCM67			
PROD	0010	JOBZ.XINFO35.XXRJCM68			
PROD	0010	JOBZ.XINFO35.XXRJCM69			
PROD	0010	JOBZ.XINFO35.XXRJCM70			
PROD	0010	JOBZ.XINFO35.XXRJCM71			
PROD	0010	JOBZ.XINFO35.XXRJCM72			
PROD	0010	JOBZ.XINFO35.XXRJCM73			
PROD	0010	JOBZ.XINFO35.XXRJCM74			
PROD	0010	JOBZ.XINFO35.XXRJCM75			
PROD	0010	JOBZ.XINFO35.XXRJCM76			
PROD	0010	JOBZ.XINFO35.XXRJCM77			
PROD	0010	JOBZ.XINFO35.XXRJCM78			
PROD	0010	JOBZ.XINFO35.XXRJCM79			
PROD	0010	JOBZ.XINFO35.XXRJCM80			
PROD	0010	JOBZ.XINFO35.XXRJCM81			
PROD	0010	JOBZ.XINFO35.XXRJCM82			
PROD	0010	JOBZ.XINFO35.XXRJCM83			
PROD	0010	JOBZ.XINFO35.XXRJCM84			
PROD	0010	JOBZ.XINFO35.XXRJCM85			
PROD	0010	JOBZ.XINFO35.XXRJCM86			
PROD	0010	JOBZ.XINFO35.XXRJCM87			
PROD	0010	JOBZ.XINFO35.XXRJCM88			
PROD	0010	JOBZ.XINFO35.XXRJCM89			
PROD	0010	JOBZ.XINFO35.XXRJCM90			
PROD	0010	JOBZ.XINFO35.XXRJCM91			
PROD	0010	JOBZ.XINFO35.XXRJCM92			
PROD	0010	JOBZ.XINFO35.XXRJCM93			
PROD	0010	JOBZ.XINFO35.XXRJCM94			
PROD	0010	JOBZ.XINFO35.XXRJCM95			
PROD	0010	JOBZ.XINFO35.XXRJCM96			
PROD	0010	JOBZ.XINFO35.XXRJCM97			
PROD	0010	JOBZ.XINFO35.XXRJCM98			
PROD	0010	JOBZ.XINFO35.XXRJCM99			
PROD	0010	JOBZ.XINFO35.XXRJCM100			

XINFO – Line Commands

XINFO PC Client - Automic - Runtimes

File Home Table Netplan Barchart Chart Script View Style

Automic - Job Definition Automic - Runtimes

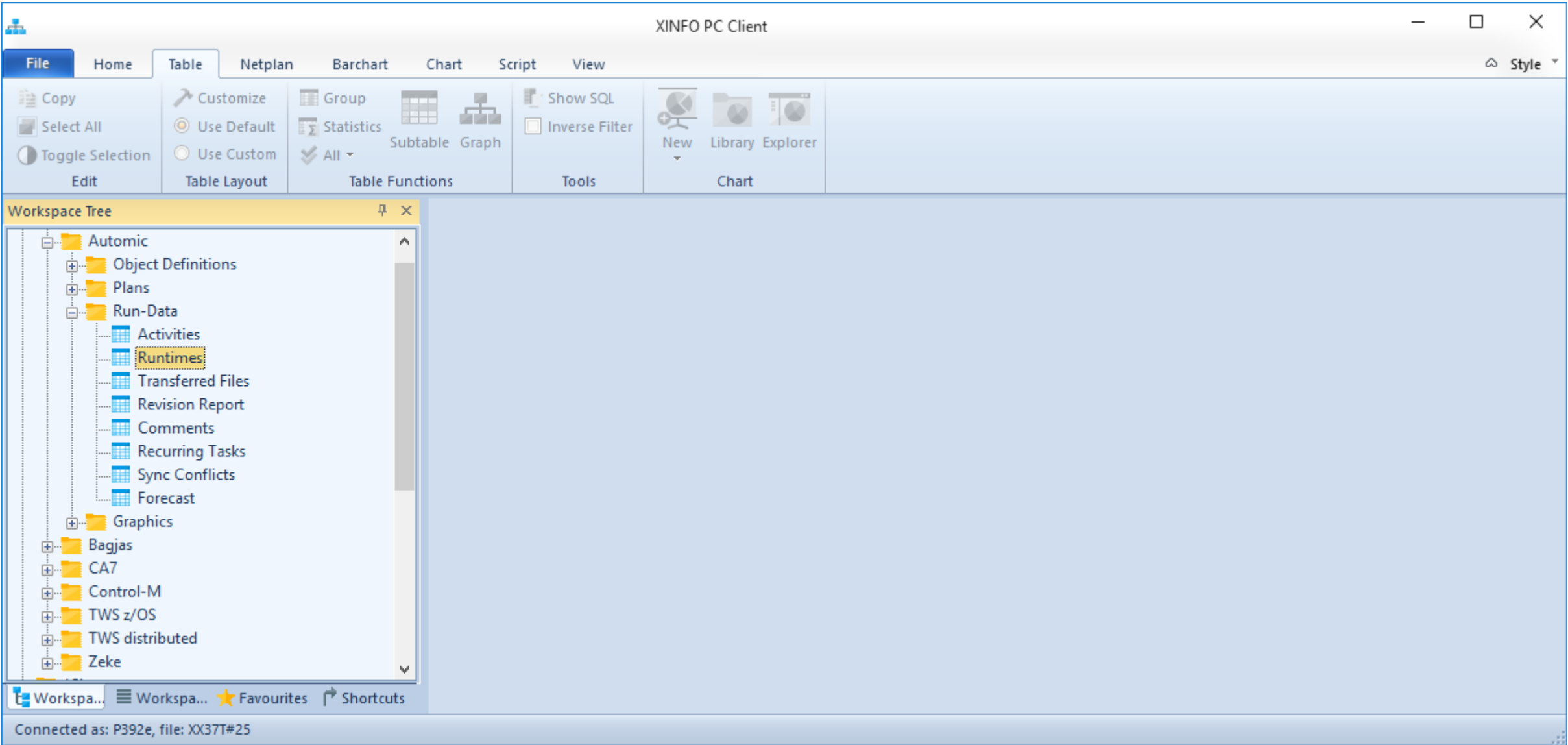
System	Clnt	Object Name	Obj-Type	System Jobname	Platform	Start-Time	End-Time	Status	Status ID	Return Code	DurSecs	Duration	CPU Time
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	09.08.2016,05:31:21	09.08.2016,05:31:26	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	18.08.2016,05:31:35	18.08.2016,05:31:42	ENDED_OK	1900	0	7	0000.00.07	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	27.08.2016,05:31:11	27.08.2016,05:31:15	ENDED_OK	1900	0	4	0000.00.04	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	10.08.2016,05:31:27	10.08.2016,05:31:30	ENDED_OK	1900	0	3	0000.00.03	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	08.08.2016,05:31:22	08.08.2016,05:31:27	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	19.08.2016,05:31:34				0	6	0000.00.06	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	21.08.2016,05:31:31				0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	24.08.2016,05:31:33				0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	30.08.2016,05:31:21				0	4	0000.00.04	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	11.08.2016,05:31:30				0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	12.08.2016,05:31:23				0	6	0000.00.06	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	13.08.2016,05:31:41				0	4	0000.00.04	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	14.08.2016,05:31:25				0	4	0000.00.04	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	15.08.2016,05:31:30				0	7	0000.00.07	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	16.08.2016,05:31:19	16.08.2016,05:31:24	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	17.08.2016,05:31:27	17.08.2016,05:31:32	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	20.08.2016,05:31:34	20.08.2016,05:31:39	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	22.08.2016,05:31:30	22.08.2016,05:31:35	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	23.08.2016,05:31:30	23.08.2016,05:31:36	ENDED_OK	1900	0	6	0000.00.06	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	25.08.2016,05:31:38	25.08.2016,05:31:44	ENDED_OK	1900	0	6	0000.00.06	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	26.08.2016,05:31:20	26.08.2016,05:31:23	ENDED_OK	1900	0	3	0000.00.03	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	28.08.2016,05:31:11	28.08.2016,05:31:15	ENDED_OK	1900	0	4	0000.00.04	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	29.08.2016,09:11:39	29.08.2016,09:11:44	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	04.09.2016,05:31:20	04.09.2016,05:31:24	ENDED_OK	1900	0	4	0000.00.04	

Connected as: P392e, file: XX37T#25

Lines: 181

e.g. from Job definition to "run time", or to SAP, or to JCL, ...

Automatic – Runtime (Job History)



Automatic – Runtime (Job History)

The screenshot shows the 'Automatic - Runtimes' dialog box with the following search criteria:

- Object Name: = [dropdown] *backup*
- Start-Time: >= [dropdown] 01.01.2017
- End-Time: <= [dropdown] 31.01.2017

A speech bubble points to the search criteria with the text: "When did in January the backup jobs run?"

Other fields in the dialog include:

- Automatic-System: = [dropdown]
- Automatic-Client: = [dropdown]
- Object Type: = [dropdown]
- System Jobname: = [dropdown]
- Platform: = [dropdown]
- Status: = [dropdown]
- Status ID: = [dropdown]
- Return Code: = [dropdown]
- Duration (Sec): = [dropdown]
- Dur. (HHHH.MM.SS): = [dropdown]
- CPU Time: = [dropdown]
- Int. Account: = [dropdown]
- Activity Sub Type: = [dropdown]
- Queue Name: = [dropdown]

Buttons at the bottom: OK, Actions [dropdown], Cancel

Automatic – Runtimes (Job History)

Automatic objects (Jobs, JobPlans, Filetransfer etc.)

Start / End

Status, Duration, CPU-Time ...

System	Clnt	Object Name	Obj-Type	System Jobname	Platform	Start-Time	End-Time	Status	Status ID	Return Code	DurSecs	Duration	CPU Time
PROD	0010	JOBV.BACKUP.PC12	JOBS		UNIX	03.01.2017,02:00:15	03.01.2017,02:00:16	ENDED_OK	1900	0	1	0000.00.01	160
PROD	0010	JOBP.BACKUP.UNIX	JOBP			03.01.2017,02:00:15	03.01.2017,02:05:29	ENDED_OK	1900	0	314	0000.05.14	0
PROD	0010	JOBV.BACKUP.PC13	JOBS		UNIX	03.01.2017,02:00:15	03.01.2017,02:05:29	ENDED_OK	1900	0	314	0000.05.14	84000
PROD	0010	JOBW.OA5.BACKUP_...	JOBS		WINDOWS	03.01.2017,05:00:18	03.01.2017,05:00:19	ENDED_OK	1900	0	1	0000.00.01	30
PROD	0010	JOBP.OA5.BACKUP	JOBP			03.01.2017,05:00:18	03.01.2017,05:00:38	ENDED_OK	1900	0	20	0000.00.20	0
PROD	0010	JOBW.OA5.BACKUP_...	JOBS		WINDOWS	03.01.2017,05:00:20	03.01.2017,05:00:38	ENDED_OK	1900	0	18	0000.00.18	717
PROD	0010	JOBV.BACKUP_SVN...	JOBS		UNIX	03.01.2017,05:30:01	03.01.2017,06:06:55	ENDED_OK	1900	0	2214	0000.36.54	849140
PROD	0010	JOBP.BACKUP_SVN	JOBP			03.01.2017,05:30:00	03.01.2017,06:14:30	ENDED_OK	1900	0	2670	0000.44.30	0
PROD	0010	JOBF.BACKUP_SVN...	JOBF			03.01.2017,06:06:55	03.01.2017,06:14:30	ENDED_OK	1900	0	455	0000.07.35	0
PROD	0010	JOBV.BACKUP.PC12	JOBS		UNIX	04.01.2017,02:00:10	04.01.2017,02:00:10	ENDED_OK	1900	0	0	0000.00.00	60
PROD	0010	JOBP.BACKUP.UNIX	JOBP			04.01.2017,02:00:09	04.01.2017,02:01:50	ENDED_OK	1900	0	101	0000.01.41	0
PROD	0010	JOBV.BACKUP.PC13	JOBS		UNIX	04.01.2017,02:00:10	04.01.2017,02:01:50	ENDED_OK	1900	0	100	0000.01.40	31210
PROD	0010	JOBW.OA5.BACKUP_...	JOBS		WINDOWS	04.01.2017,05:00:12	04.01.2017,05:00:13	ENDED_OK	1900	0	1	0000.00.01	46
PROD	0010	JOBP.OA5.BACKUP	JOBP			04.01.2017,05:00:12	04.01.2017,05:00:33	ENDED_OK	1900	0	21	0000.00.21	0
PROD	0010	JOBW.OA5.BACKUP_...	JOBS		WINDOWS	04.01.2017,05:00:13	04.01.2017,05:00:33	ENDED_OK	1900	0	20	0000.00.20	437
PROD	0010	JOBV.BACKUP_SVN...	JOBS		UNIX	04.01.2017,05:30:14	04.01.2017,05:56:46	ENDED_OK	1900	0	1592	0000.26.32	823320
PROD	0010	JOBP.BACKUP_SVN	JOBP			04.01.2017,05:30:14	04.01.2017,06:04:19	ENDED_OK	1900	0	2045	0000.34.05	0
PROD	0010	JOBF.BACKUP_SVN...	JOBF			04.01.2017,05:56:46	04.01.2017,06:04:19	ENDED_OK	1900	0	453	0000.07.33	0
PROD	0010	JOBV.BACKUP.PC12	JOBS				05.01.2017,02:00:15	ENDED_OK	1900	0	1	0000.00.01	180
PROD	0010	JOBP.BACKUP.UNIX	JOBP				05.01.2017,02:03:55	ENDED_OK	1900	0	221	0000.03.41	0
PROD	0010	JOBV.BACKUP.PC13	JOBS				05.01.2017,02:03:55	ENDED_OK	1900	0	221	0000.03.41	58400
PROD	0010	JOBW.OA5.BACKUP_...	JOBS				05.01.2017,05:00:13	ENDED_OK	1900	0	0	0000.00.00	46
PROD	0010	JOBP.OA5.BACKUP	JOBP				05.01.2017,05:00:33	ENDED_OK	1900	0	21	0000.00.21	0
PROD	0010	JOBW.OA5.BACKUP_...	JOBS				05.01.2017,05:00:33	ENDED_OK	1900	0	19	0000.00.19	531

You can keep this run time information in XINFO for a very long time, longer than in Automatic

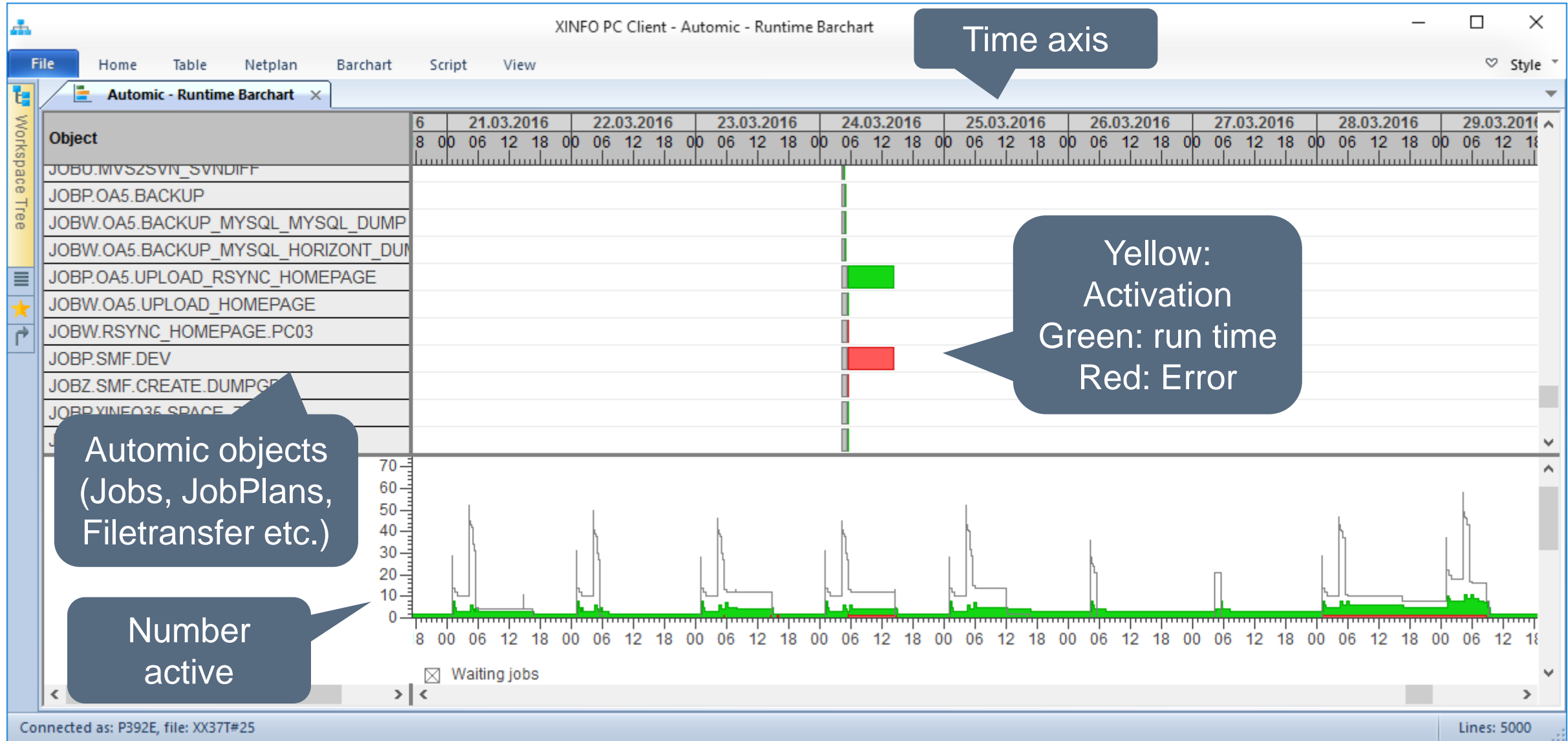
Connected as: P392e, file: XX37T#25

Lines: 192

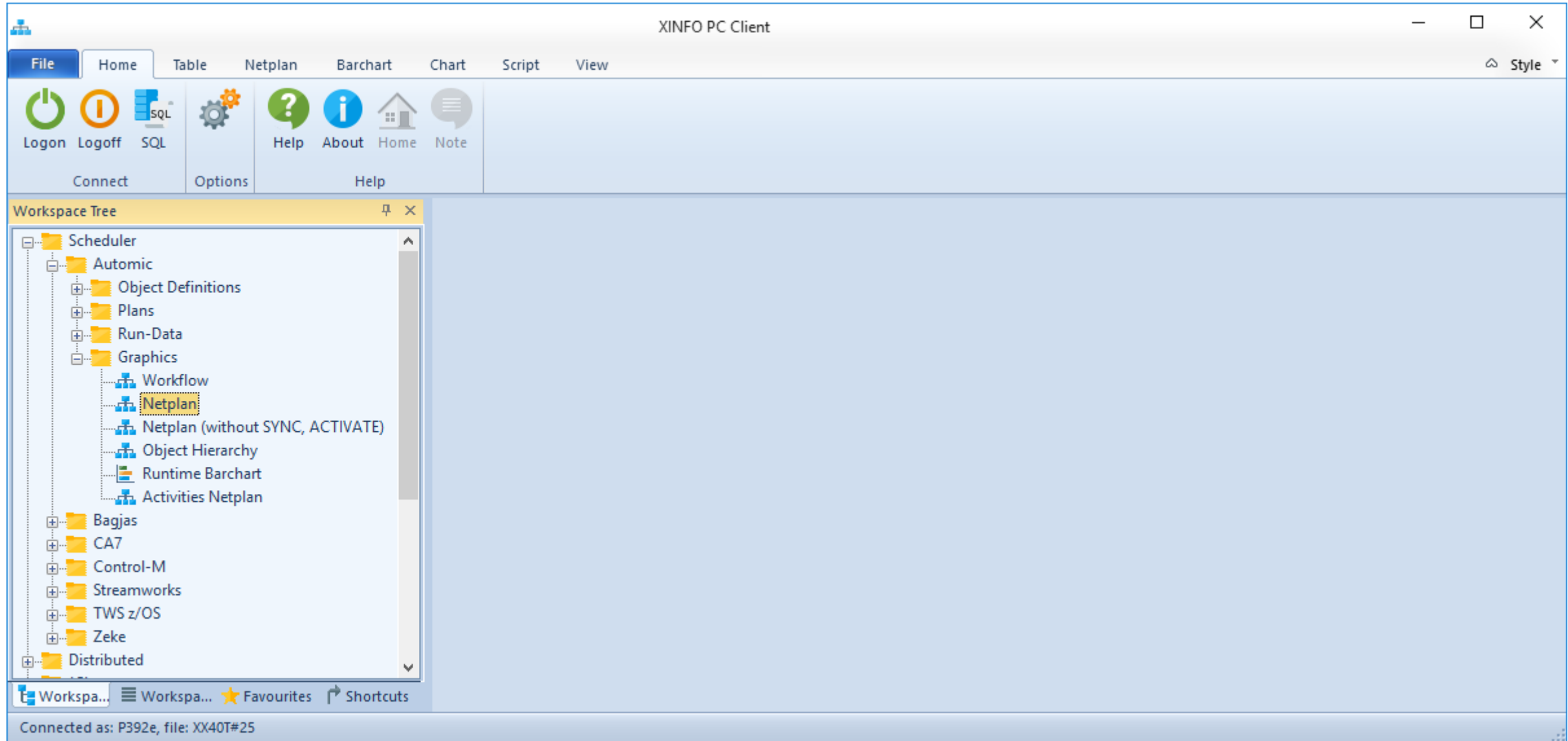
Automatic – Runtime Barchart (Job History)

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, 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" shows a hierarchical structure with folders like Scheduler, Automatic, Object Definitions, Plans, Run-Data, Graphics, Bagjas, CA7, Control-M, Streamworks, TWS z/OS, Zeke, and Distributed. Under the "Automatic" folder, "Runtime Barchart" is selected and highlighted. The status bar at the bottom indicates "Connected as: P392e, file: XX40T#25".

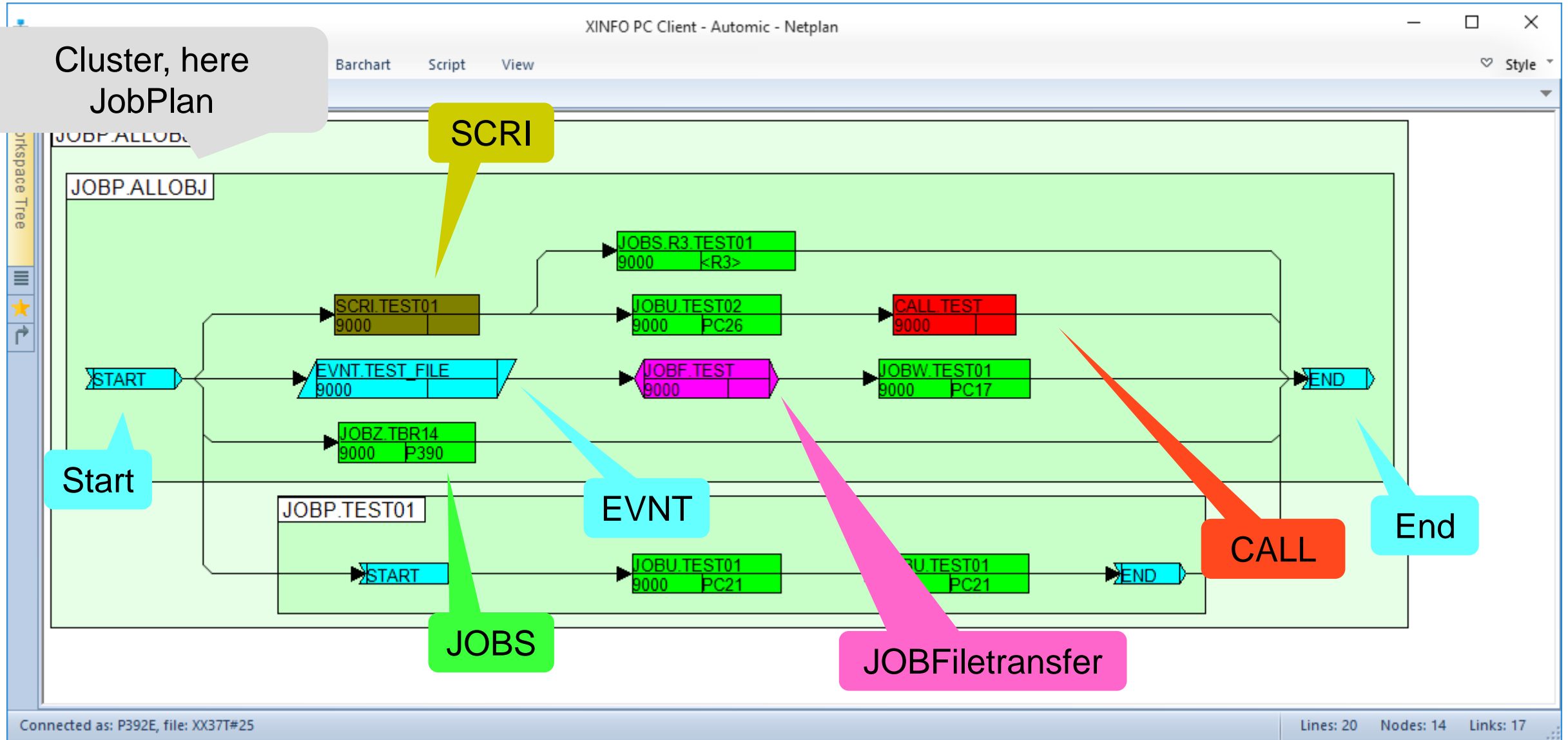
Automatic – Runtime Barchart (Job History)



Automatic – Job Netplan



Automic – Job Netplan, the Objects



Automatic – Job Netplan

The screenshot displays the Automatic Job Netplan software interface. On the left, a workspace tree shows a netplan named 'JOBP.ALLOBJ'. The main workspace contains a netplan diagram with a 'START' node and an 'END' node. A 'Details' window is open, showing the following information:

Name	Value
Client	
Environment	
Automatic-System	PROD
Predecessor	0000000005
Successor	0000001886
Automatic-Client	9000
Original Plan Name	JOBP.ALLOBJ
Object Type	JOBS
Object Name	JOBW.TEST01
System Jobname	
Link Type	SYNC
Est. Run Time (Sec)	1
Host	PC17
Login	LOGIN.UC4
Platform	WINDOWS
High-Level Plan	JOBP.ALLOBJ
Sync Status	START
Is Active Y/N	Y
Top Plan Level Y/N	Y
ERT (HHHH.MM.SS)	0000.00.01
Line Number	10
Dependency JobPlan	JOBP.ALLOBJ
Is Deleted Y/N	N
D-Level	0

A callout box points to the details window with the text: "Detail information by double click. These fields can be added to all Symbols (e.g. Host)".

At the bottom of the interface, the status bar shows: "Connected as: P392E, file: XX37T#25" and "Lines: 20 Nodes: 14 Links: 17".

Automatic – Job Netplan

The screenshot displays the XINFO PC Client interface for 'Automatic - Netplan'. The main window shows a workflow diagram with the following nodes and connections:

- START** (blue arrow) connects to **EVNT.TEST_FILE** (cyan trapezoid), **SCRI.TEST01** (brown rectangle), and **JOBZ.TBR14** (green rectangle).
- EVNT.TEST_FILE** (9000) connects to **JOBF.TEST** (pink hexagon, 9000).
- SCRI.TEST01** (9000) connects to **JOBF.TEST** (9000) and **JOBS.R3.TEST01** (green rectangle, 9000 <R3>).
- JOBF.TEST** (9000) connects to **JOBW.TEST01** (green rectangle, 9000 PC17).
- JOBZ.TBR14** (9000 P390) connects to **JOBW.TEST01** (9000 PC17).
- JOBW.TEST01** (9000 PC17) connects to **CALL.TEST** (red rectangle, 9000).
- JOBS.R3.TEST01** (9000 <R3>) connects to **CALL.TEST** (9000).
- CALL.TEST** (9000) connects to **END** (blue arrow).

A callout box with a gear icon and the text "Click on properties" points to the 'Options' button in the top menu. Another callout box with the text "To change colors, shape and fields of symbols ..." is positioned in the upper right area of the window.

The 'Workspace Tree' on the left shows a hierarchy including Scheduler, Automatic, Object Definitions, Plans, Run-Data, Graphics, Workflow, Netplan (selected), and various other project folders like Bagjas, CA7, Control-M, Streamworks, TWS z/OS, Zeke, and Distributed.

The status bar at the bottom indicates: "Connected as: P392e, file: XX40T#25" and "Lines: 16 Nodes: 10 Links: 12".

Automatic – Job Netplan

Options

- General
- Netplans
 - A-Auto
 - AOCS
 - Automatic
 - Activities Netplan
 - Graph options
 - Node styles
 - Link styles
 - Netplan
 - Netplan (without SYNC and ACTIVATE)
 - Netplan Pred+ Succ
 - Object Hierarchy
 - Workflow
 - Bagjas
 - CA-S
 - CA7
 - Contr
 - JCL
 - Progr
 - Source
 - Streamworks
 - TWS Distributed
 - TWS z/OS
 - Universal
 - XINFO
 - Zeke
- Barcharts

ACTIVE

Field name: Alias

- Alias
- Alias
- Automatic-System
- Client
- CPU Time
- Environment
- ERT (HHH.MM.SS)
- Est. RunTime (Sec)
- Is Restarted Y/N
- Line Number
- Link Action
- Link Type
- Login
- Object Type
- Parent Name
- Parent Run Number
- Platform
- Predecessor
- Priority
- Process ID
- Queue Name
- Run Number
- Start Type
- Start-Time
- Status
- Status ID
- Successor
- System Jobname
- Top Parent Name

Line type: Solid

Line color: Black

Back color: Green

Text color: Black

Shape: Rounded

Alignment: Left

Field width: [] Auto

Line thickness: 1

Line count: 1

Font: []

Sample text

OK Cancel

Optional change colors, shape, fields of all symbols

Automatic – Job Netplan

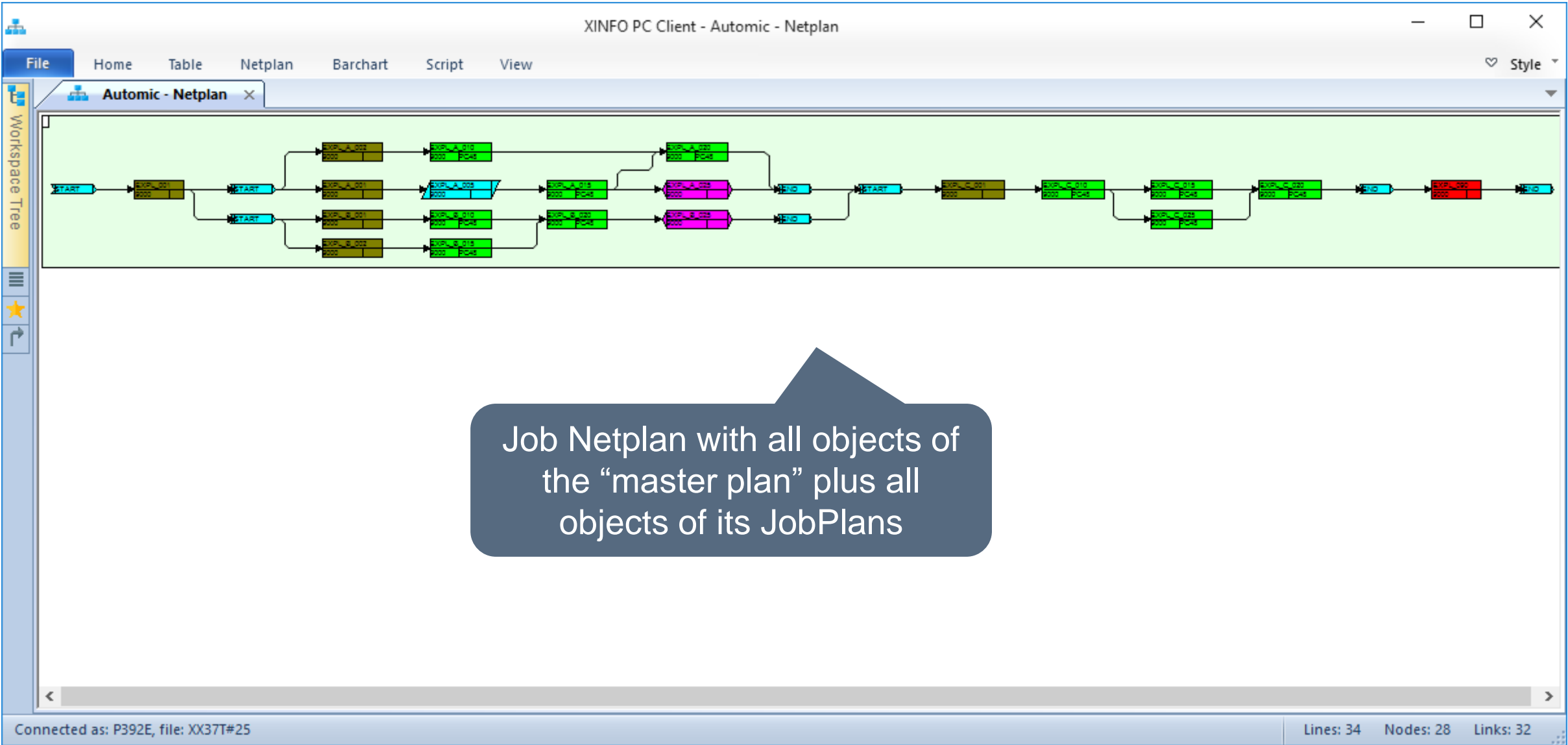
Automatic - Netplan

Automatic-System	=	
Automatic-Client	=	
High-Level Plan	=	expl_master
Plan Name	=	
Object Name	=	
Object Type	=	
System Jobname	=	
Platform	=	
Host	=	
Login	=	
Link Type	=	
Sync Status	=	
Is Active Y/N	=	
Is Deleted Y/N	=	
Top Plan Level Y/N	=	
Est.RunTime (Sec)	=	
Predecessor level		0
Successor level		0

OK Actions Cancel

Enter the JobPlan name from which all subordinate jobs/objects you want to see

Automatic – Job Netplan



Job Netplan with all objects of the “master plan” plus all objects of its JobPlans

Automatic – Job Netplan

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

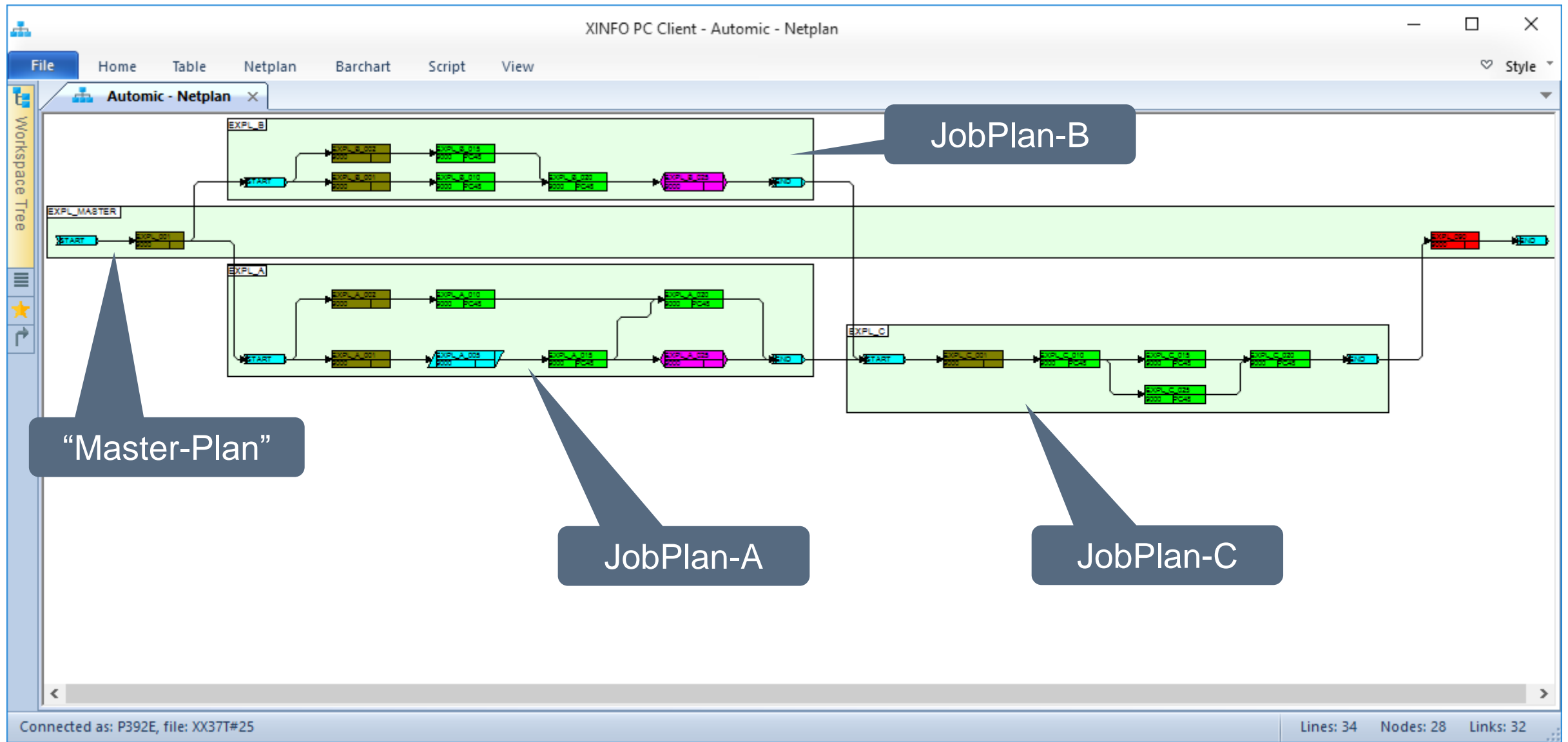
- General:** Netplans
- Netplans:** A-Auto, AOCS, Automatic
 - Activities Netplan
 - Netplan
 - Graph options (selected)
 - Node styles
 - Link styles
 - Netplan (without SYNC and ACTIVATE)
 - Netplan Pred+ Succ
 - Object Hierarchy
 - Workflow
- Bagjas
- CA-Scheduler
- CA7
- Control-M
- JCL
- Programs
- Source
- Streamworks
- TWS Distributed
- TWS z/OS
- Universal
- XINFO
- Zeke
- Barcharts

Automatic - Netplan - Graph options

- Sheet properties:**
 - Orientation: Left to right
 - Background color: White
 - Active cluster: Jobplan
- Cluster styles:**
 - Level: 1: Custom...
 - Level: 2: White
 - Node background color: White
 - Node text color: Black
 - Font: Sample text
- Time ruler:**
 - Background color: ...
 - Font: ... Not specified ...
 - Show borders:
- Link bundling:**
 - Predecessor: 10
 - Successor: 10
 - Enable link bundling:
 - Value: 4

Option Cluster by "JobPlan"

Automatic – Job Netplan



“Master-Plan”

JobPlan-B

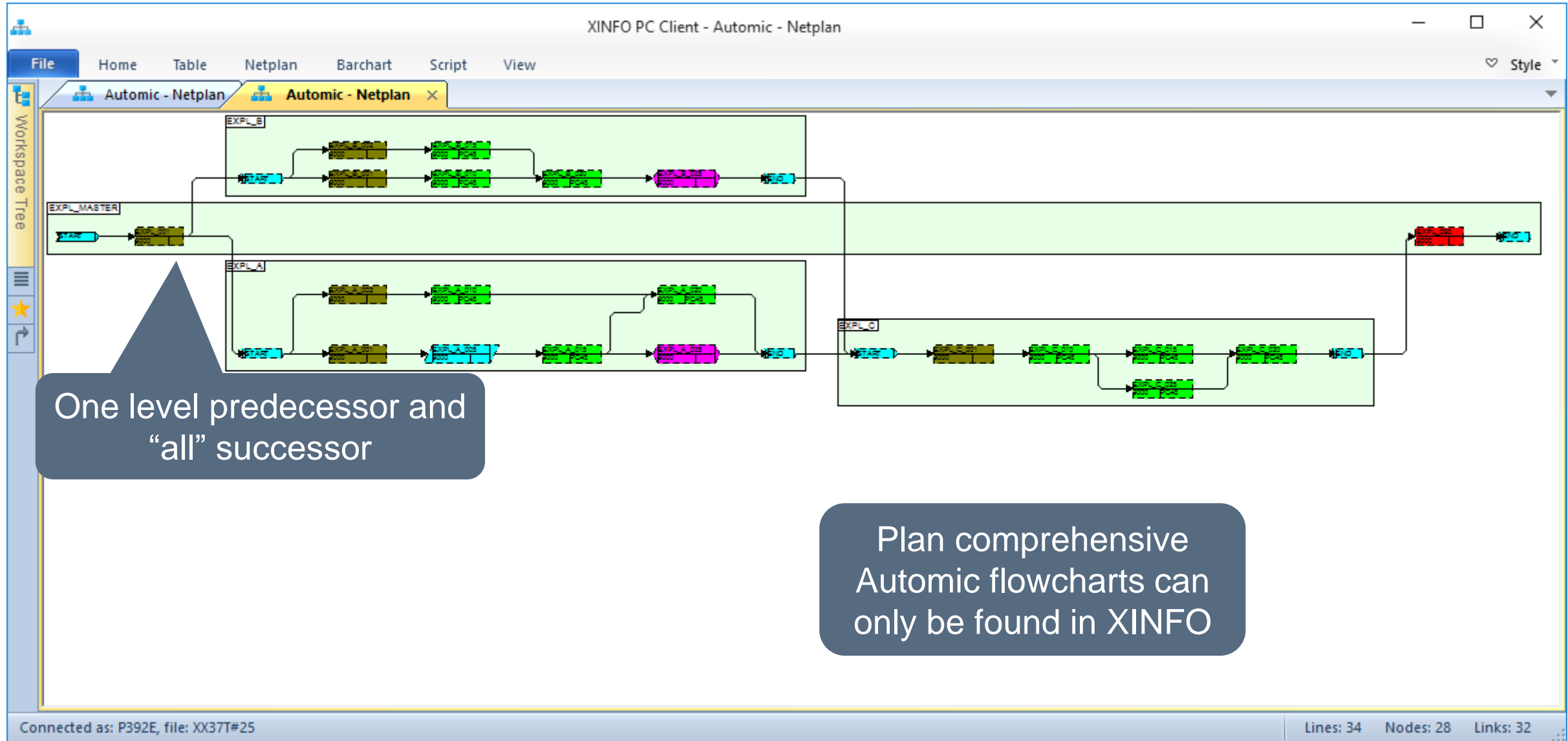
JobPlan-A

JobPlan-C

Automatic – Job Netplan, Pred/Succ-Level

The screenshot displays the XINFO PC Client interface for 'Automatic - Netplan'. The main workspace shows a network plan with nodes such as 'START', 'EXPL B 001', 'EXPL B 010', 'EXPL B 020', 'EXPL B 025', 'EXPL MASTER', 'EXPL 001', 'EXPL', 'EXPL A 005', 'EXPL A 015', and 'EXPL A 025'. A context menu is open over the 'EXPL 001' node, with 'Pred/Succ netplan...' selected. A dialog box titled 'Pred/Succ Netplan' is open, showing 'Predecessor level' set to 1 and 'Successor level' set to 99. A callout bubble points to the 'Pred/Succ netplan...' menu item with the text: "Right mouse", Predecessor/Successor Netplan. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25' and 'Lines: 34 Nodes: 28 Links: 32'.

Automatic – Job Netplan



XINFO – Data Export

The screenshot shows the XINFO PC Client interface. The 'File' menu is open, and the 'Export...' option is highlighted. A callout bubble points to this option with the text: "Use 'Export' to export XINFO data". An 'Export to a graphic file' dialog box is open, showing the following details:

- File name: C:\Users\nico.HORIZONT-IT\Desktop\barchart.png
- Width: 4578
- Height: 13975

The dialog box has 'OK' and 'Cancel' buttons. The background shows a runtime barchart with a table of data for dates from 22.03.2016 to 29.03.2016. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25' and 'Lines: 5000'.

XINFO – Data Export

The screenshot shows the XINFO PC Client interface. A dialog box titled "Choose the output file" is open, displaying the file path "Dieser PC > Desktop > XINFO > Export". The search bar contains "Export" and the search results are empty, with the message "Es wurden keine Suchergebnisse gefunden." Below the dialog, a dropdown menu for "Dateityp:" is open, showing the following options: "PNG - Portable Network Graphics (*.png)", "BMP - Windows Bitmap (*.bmp)", "JPG - JPEG (*.jpg)", "PNG - Portable Network Graphics (*.png)", and "TIF - TIFF (*.tif)". A blue callout box points to the dropdown menu with the text "Choose file type: .jpg, .png, .bmp, .tif". The background shows a workspace tree on the left and a runtime barchart on the right. The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25" and "Lines: 5000".

Choose file type:
.jpg, .png, .bmp, .tif

Automatic – Job Netplan Printing

The screenshot displays the XINFO software interface. On the left, the 'File' menu is open, with 'Print Preview' highlighted. The main window shows a network diagram. A dialog box titled 'Select pages you want to print' is overlaid, showing two preview thumbnails of the netplan. The dialog includes options for 'Split the printout to pages' (1 x 2), 'Print page numbers' (checked), 'Title at every page' (XINFO PC Client - Automic - Netplan), and 'Font size' (10). A callout bubble points to the preview thumbnails with the text 'XINFO Print preview for netplans'. 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: 34 Nodes: 28 Links: 32'.

XINFO
Print preview for
netplans

Automatic – Sync Usage

The screenshot shows the XINFO PC Client interface with the 'Automatic - Sync Usage' dialog box open. The dialog box contains the following fields:

Automatic-System	=	[Dropdown]	[Text Box]
Automatic-Client	=	[Dropdown]	[Text Box]
Sync Object	=	[Dropdown]	*DWH*
Object Name	=	[Dropdown]	[Text Box]
System Jobname	=	[Dropdown]	[Text Box]
Start Action	=	[Dropdown]	[Text Box]
End Action	=	[Dropdown]	[Text Box]
Abend Action	=	[Dropdown]	[Text Box]
Else Y/N	=	[Dropdown]	[Text Box]

At the bottom of the dialog box are buttons for 'OK', 'Actions', and 'Cancel'. A callout bubble points to the 'Sync Object' field with the text: "Which objects use SYNC objects 'DWH' ?".

Automatic – Sync Usage

XINFO PC Client - Automatic - Sync Usage

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

System	Clnt	Sync Object	Object Name	System Jobname	Start Action	End Action	Abend Action	E
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	
PROD	9000	L01.SYNC.DWH_SAP_STG	B01.SCRI.SAP.L01.SYNC.DWH_SAP_STG		SET_OK			W
PROD	9000	L01.SYNC.DWH_SAP_STG	L01.JOBU.STG.STG120		SET_WAIT			W
PROD	9000	L01.SYNC.DWH_WPN_1	B01.JOBU.SCD.DUMMY_WEGEN_SYNC_SSD_DWH		SET_OK			W
PROD	9000	L01.SYNC.DWH_WPN_1	L01.JOBP.DWH_2_WPN_TMS2000		SET_WAIT			W

This SYNCs

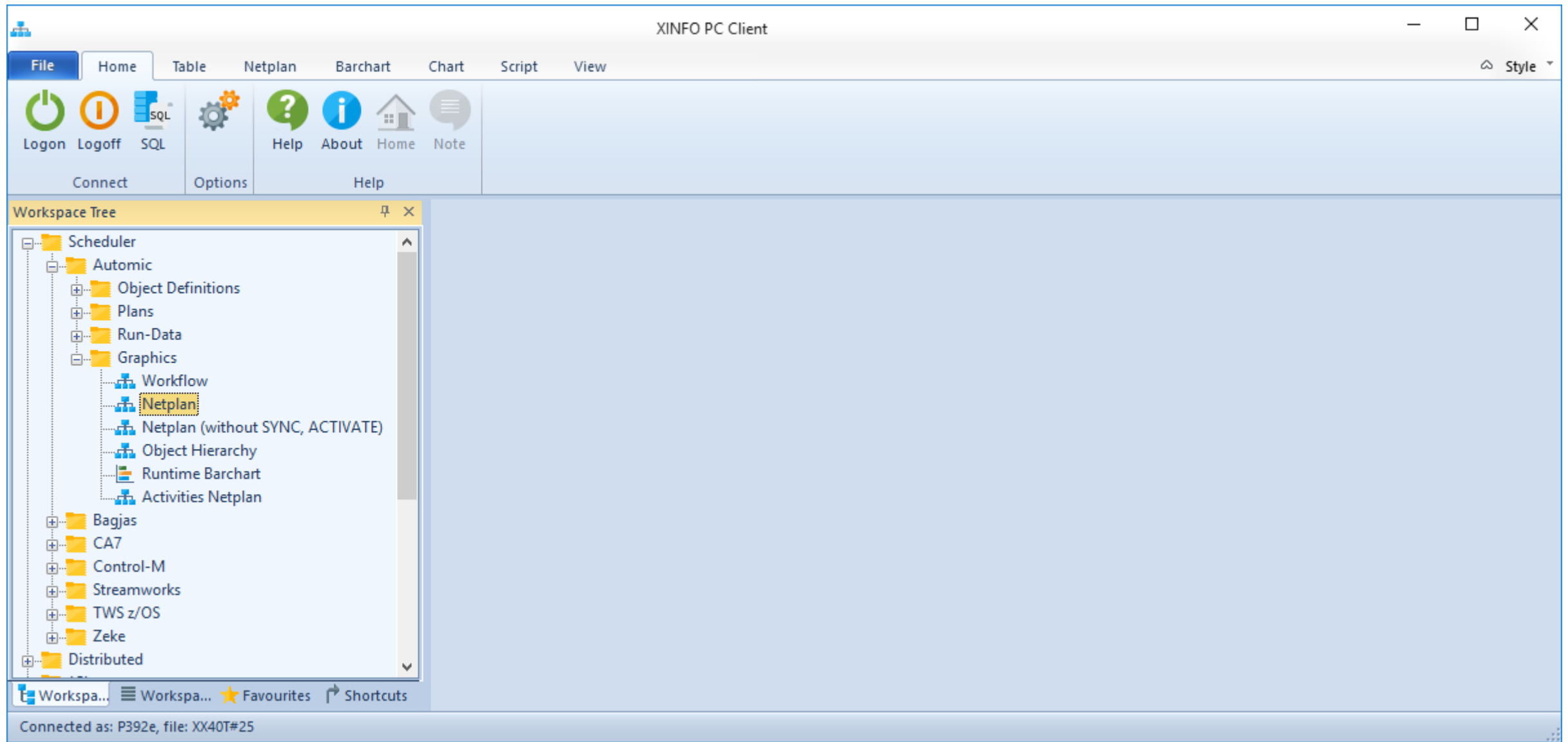
This objects

This action

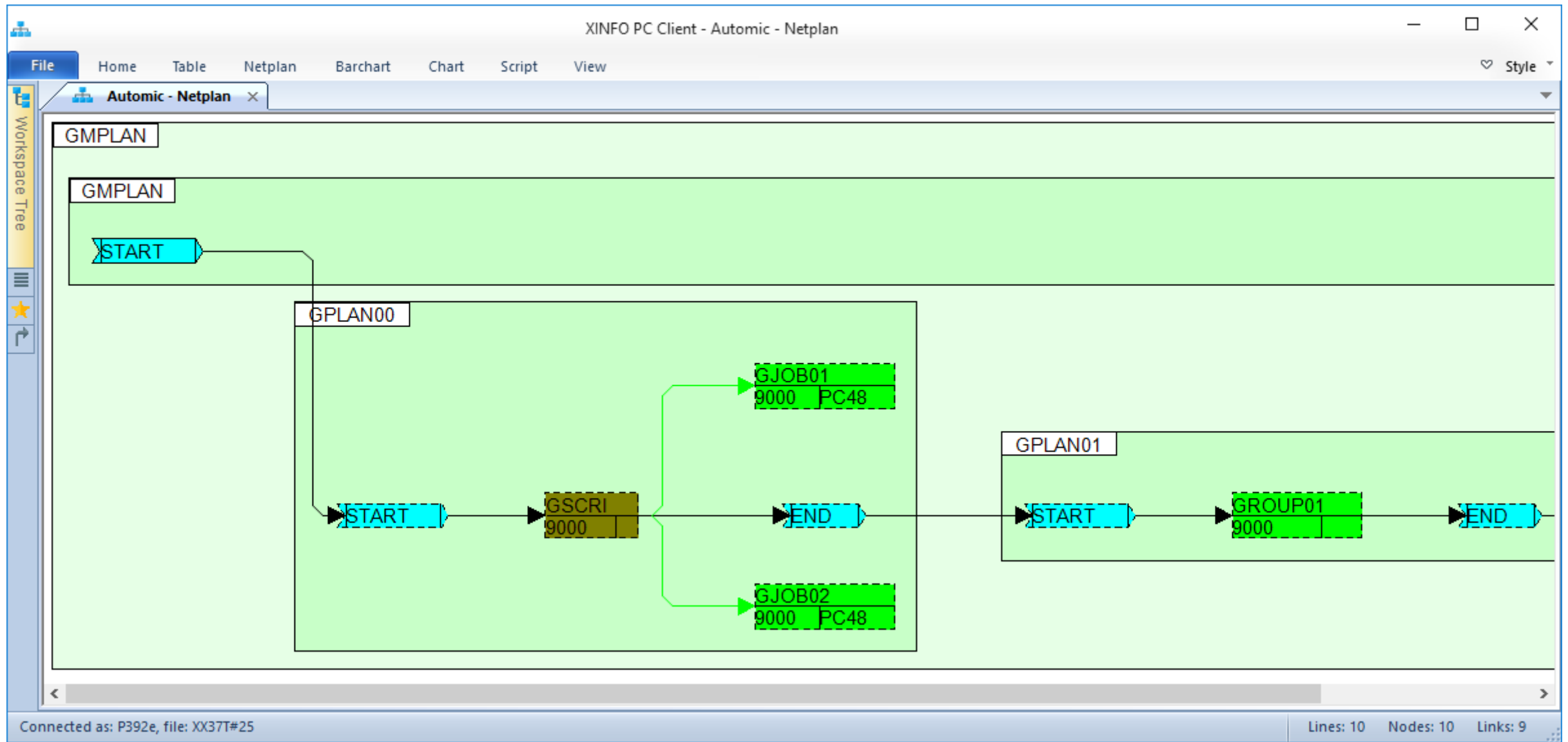
Connected as: P392e, file: XX37T#25

Lines: 4

Automic – Description 'ACTIVATE_UC_OBJECT'



Automic – Description 'ACTIVATE_UC_OBJECT'



Automic – Description 'ACTIVATE_UC_OBJECT'

The screenshot displays the XINFO PC Client interface. The main window shows a Netplan diagram with several nodes and links. A context menu is open over a task node labeled 'GSCRI 9000'. The menu items include 'Browse', 'Automic', and various system components like 'BETA93', 'CA Deliver', 'DB2', 'GRAPH', 'IMS', 'JCL', 'Space', and 'SMF'. A secondary menu is also visible, listing various system functions such as 'Forecast', 'Jobs', 'Logins', and 'Processing'. The diagram includes nodes for 'START', 'GSCRI 9000', 'GJOB01 9000 FC48', 'GROUP01 9000', and 'END'. The status bar at the bottom indicates 'Connected as: P392e, file: XX37T#25' and 'Lines: 10 Nodes: 10 Links: 9'.

Automic – Description 'ACTIVATE_UC_OBJECT'

The screenshot displays the XINFO PC Client interface. The main window shows a workflow diagram with a callout box labeled 'ACTIVATE_UC_OBJECT' pointing to a 'GSCRI 9000' node. A red arrow also points from this callout to the script table below.

System	Cnt	Object Name	Obj-Type	Platform	Script Type	Line	Content
PROD	9000	GSCRI	SCRI		Script	1	:SET &ACTOBJ# = ACTIVATE_UC_OBJECT(JOBS, GJOB01)
PROD	9000	GSCRI	SCRI		Script	2	:SET &ACTOBJ# = ACTIVATE_UC_OBJECT(JOBS, GJOB02)
PROD	9000	GSCRI	SCRI		Script	3	
PROD	9000	GSCRI	SCRI		Script	4	

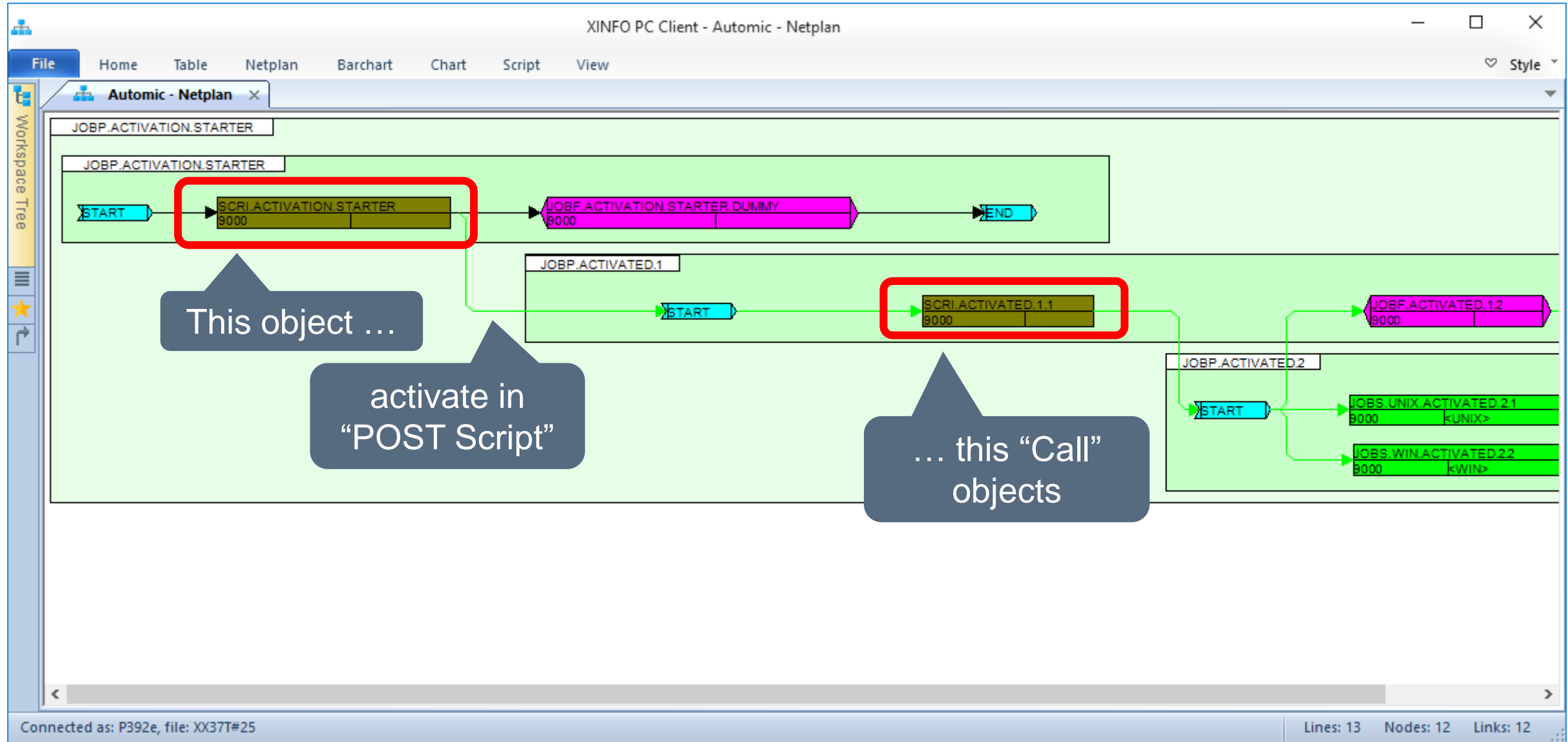
The workflow diagram includes the following components:

- GMPLAN** container:
 - START** node
 - GPLAN00** container:
 - START** node
 - GSCRI 9000** node (highlighted with a callout)
 - END** node
 - GJOB01 9000_FC48** node
 - GJOB02 9000_FC48** node
 - GPLAN01** container:
 - START** node
 - GROUP01 9000** node
 - END** node
 - END** node

Connected as: P392e, file: XX37T#25

Lines: 10 Nodes: 10 Links: 9

Automatic – Description ‘Post Script Activation’



Automatic – Description ‘Post Script Activation’

The screenshot displays the XINFO PC Client interface. The top window, 'Automatic - Netplan', shows a flowchart with the following components:

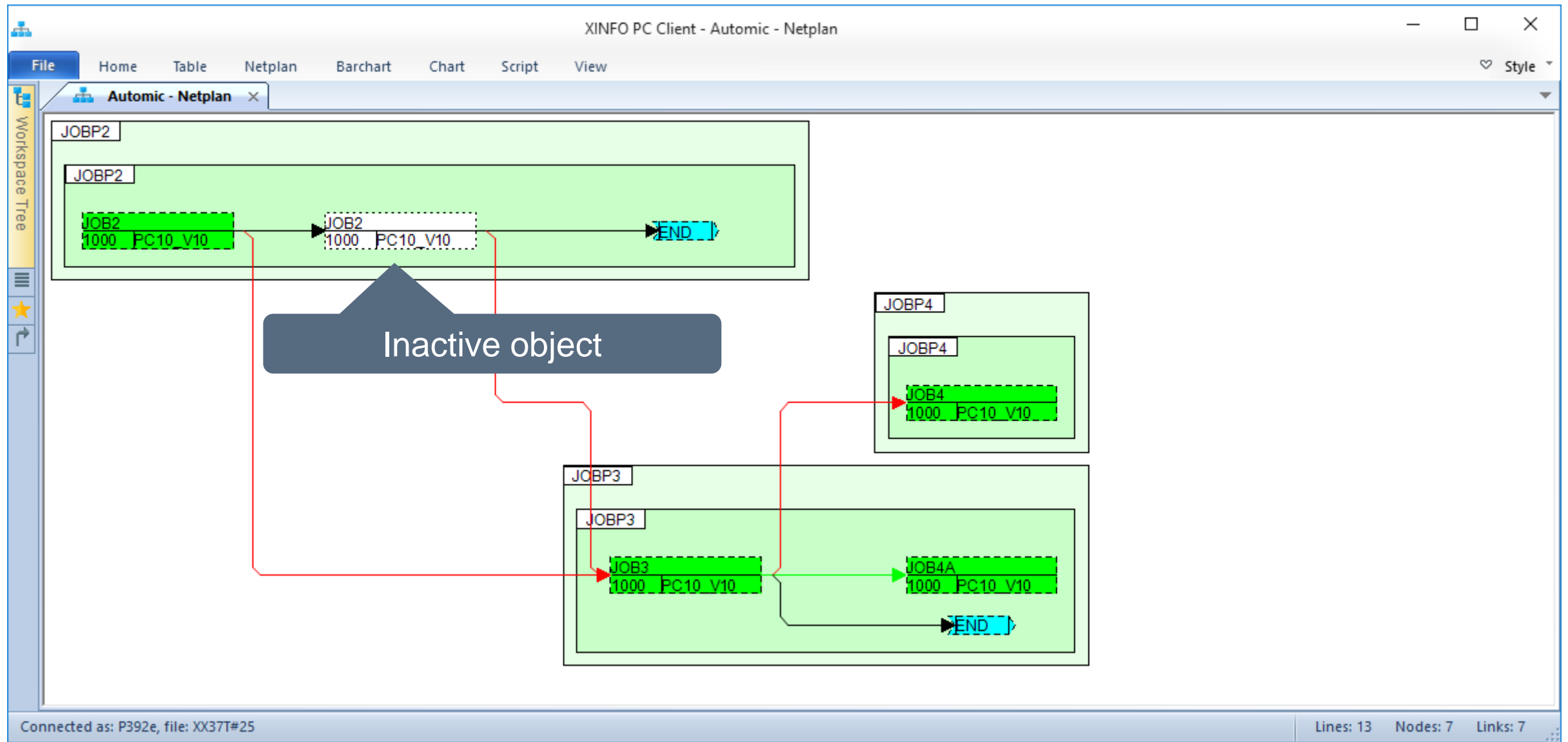
- JOBP.ACTIVATION.STARTER** (outer container)
- JOBP.ACTIVATION.STARTER** (inner container)
- START** (cyan arrow)
- SCRI.ACTIVATION.STARTER 9000** (yellow box)
- JOBP.ACTIVATION.STARTER.DUMMY 9000** (pink box)
- END** (cyan arrow)
- JOBP.ACTIVATED.1** (outer container)
- START** (cyan arrow)
- SCRI.ACTIVATED.1.1 9000** (yellow box)
- JOBP.ACTIVATED.1.2 9000** (pink box)

The bottom window, 'Automatic - Processing', contains a table with the following data:

System	Clnt	Object Name	Obj-Type	Platform	Script Type	Line	Content
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
PROD	9000	SCRI.ACTIVATION.STARTER	SCRI		Script		:set &ret# = ACTIVATE_UC_OBJECT(JOBP, 'JOBP.ACTIVATED.1)

A red box highlights the 'Content' column for the script. A callout box points to this content with the text: **This script starts a new job**

Automatic – Description of inactive Objects



Automatic – Search for inactive Objects

The screenshot shows the XINFO software interface. On the left is the 'Workspace Tree' with a tree view containing folders like 'Scheduler', 'Automatic', 'Object Definitions', 'Plans', 'Run-Data', 'Graphics', 'Workflow', 'Netplan', 'Netplan (without...)', 'Object Hierarchy', 'Runtime Barchart', 'Activities Netplan', 'Bagjas', 'CA7', 'Control-M', 'Streamworks', 'TWS z/OS', 'Zeke', and 'Distributed'. The 'Netplan' folder is selected. The main window is titled 'Automatic - Netplan' and contains a list of fields for configuration. The 'Is Active Y/N' field is highlighted with a red box, and a callout bubble points to it with the text: 'This sign exists in XINFO only in graphic displays, e.g. netplan'. Other fields include 'Automatic-System', 'Automatic-Client', 'High-Level Plan', 'Plan Name', 'Object Name', 'Object Type', 'System Jobname', 'Platform', 'Host', 'Login', 'Link Type', 'Sync Status', 'Is Deleted Y/N', 'Top Plan Level Y/N', 'Est.RunTime (Sec)', 'Predecessor level', and 'Successor level'. The bottom of the dialog has 'OK', 'Actions', and 'Cancel' buttons.

Field	Value
Automatic-System	=
Automatic-Client	=
High-Level Plan	=
Plan Name	=
Object Name	=
Object Type	=
System Jobname	=
Platform	=
Host	=
Login	=
Link Type	=
Sync Status	=
Is Active Y/N	= N
Is Deleted Y/N	=
Top Plan Level Y/N	=
Est.RunTime (Sec)	=
Predecessor level	0
Successor level	0

This sign exists in XINFO only in graphic displays, e.g. netplan

Automatic – Search for inactive Objects

The screenshot shows the XINFO PC Client - Automatic - Netplan interface. The top menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The Netplan menu is active, showing options like Copy, Select All, Toggle Selection, Fit All, Fit Selected, 100%, Smaller, Bigger, Left to Right, Top to Bottom, Subnet, Table, Search, and Show SQL. The 'Table' option is highlighted. A callout box points to the 'Table' option with the text: "There is also a table view via Menu – Netplan – Table (see next slide)".

The main workspace displays a network diagram with several nodes and connections. A callout box points to a group of nodes with the text: "All inactive objects". The nodes include:

- JSCH_HORIZONT
- JOBP.MVS2SVN
- JOBZ.MVS2CVS.ZIP.SOURCE.PREPARE.OBSOLETE (0010, P390)
- JOBZ.MVS2CVS.ZIP.SOURCE.JCK.OBSOLETE (0010, P390)
- JOBZ.MVS2CVS.SOURCE.XXR.ZIP.OBSOLETE (0010)
- JOBZ.MVS2CVS.SOURCE.OTHER.ZIP.OBSOLETE (0010)
- JOBZ.MVS2CVS.SOURCE.JCK.ZIP.OBSOLETE (0010)
- JOBU.MVS2SVN.SVNUNZIP.OBSOLETE (0010, PC12)
- JOBP.XINFO35.CTM
- EVNT.XINFO35.XXRCCTM.UNLOAD.CHECK3 (0010)
- JOBW.XINFO35.XXRCCTM.UNLOAD.CHECK3 (0010, PC48)
- JOBU.XINFO35.XXRCCTM.UNLOAD1 (0010, PC26)
- JOBU.XINFO35.XXRCCTM.UNLOAD1.FTP (0010, PC26)
- EVNT.XINFO35.XXRCCTM.UNLOAD.CHECK2 (0010)
- JOBW.XINFO35.XXRCCTM.UNLOAD.CHECK2 (0010, PC48)
- JSCH.PROCK.PROMA
- JOBP.PROCK.FIRST
- JOBU.PROCK.REPOS.PC39
- JOBU.PROCK.LIBS.PC39
- JOBU.PROCK.SCANNERS.PC39

The status bar at the bottom indicates: Connected as: P392e, file: XX37T#25. Lines: 176 Nodes: 166 Links: 45.

Automatic – Search for inactive Objects

XINFO PC Client - Automatic - Netplan

File Home Table Netplan Barchart Chart Script View Style

Automatic - Netplan:1 Automatic - Netplan:2

Client	Environm	System	PredKey	SuccKey	Clnt	JobPlan	Obj-Type	Object	System Jobname	Link Typ	ERT-Secs
<all>	<all>	<all>	<all>	<all>	<	<all>	<all>	<all>	<all>	<all>	<all>
		PROD	0000000471	0000000473	9000	JOBP.RADO1	JOBS	JOBS.WIN.RADO.1			1
		PROD	0000000984	0000000985	9000	SEPA.SCTEH010_WSAG_HOSTSOGN#JOBP	JOBS	SEPA.SCTEH010_WSAG_ARCHIVE#JOBS			1
		PROD	0000001539	0000001581	9000	JOBP.ACTIVE.MASTER	JOBS	JOBW.UC4SCAN			5
		PROD	0000002438	0000002440	9000	JOBP.RADO1	JOBS	JOBS.WIN.RADO.1			1
		PROD	0000002497	0000002499	9000	JOBP.RADO1	JOBS	JOBS.WIN.RADO.1		ACTIVATE	1
		PROD	0000003535	0000003536	0010	JOBP.MVS2SVN	JOBS	JOBZ.MVS2CVS_ZIP_SOURCE_PREPARE.OBSOLETE	CVSPREP		2
		PROD	0000003536	0000003538	0010	JOBP.MVS2SVN	JOBS	JOBZ.MVS2CVS_ZIP_SOURCE.OTHER.OBSOLETE	CVSOTHER		312
		PROD	0000003536	0000003539	0010	JOBP.MVS2SVN	JOBS	JOBZ.MVS2CVS_ZIP_SOURCE.JCK.OBSOLETE	CVSJCK		132
		PROD	0000003538	0000003541	0010	JOBP.MVS2SVN	JOBF	JOBF.MVS2CVS_SOURCE_OTHER.ZIP.OBSOLETE			29
		PROD	0000003539	0000003542	0010	JOBP.MVS2SVN	JOBF	JOBF.MVS2CVS_SOURCE_JCK.ZIP.OBSOLETE			65
		PROD	0000003545	0000003545	0010	JOBP.MVS2SVN	JOBS	JOBZ.MVS2CVS_ZIP_SOURCE.XXR.OBSOLETE	CVSXXR		113
		P					JOBF	JOBF.MVS2CVS_SOURCE_XXR.ZIP.OBSOLETE			7
		P					JOBS	JOBU.MVS2SVN_SVNUNZIP.OBSOLETE			83
		P					JOBS	JOBU.MVS2SVN_SVNUNZIP.OBSOLETE			83
		P					JOBS	JOBU.MVS2SVN_SVNUNZIP.OBSOLETE			83
		PROD	0000003589	0000003593	0010	JOBP.XINFO35.CTM	JOBS	JOBU.XINFO35.XXRCCTM_UNLOAD1			85
		PROD	0000003589	0000003594	0010	JOBP.XINFO35.CTM	EVNT	EVNT.XINFO35.XXRCCTM_UNLOAD_CHECK2			
		PROD	0000003589	0000003595	0010	JOBP.XINFO35.CTM	EVNT	EVNT.XINFO35.XXRCCTM_UNLOAD_CHECK3			
		PROD	0000003593	0000003597	0010	JOBP.XINFO35.CTM	JOBS	JOBU.XINFO35.XXRCCTM_UNLOAD1_FTP			
		PROD	0000003594	0000003598	0010	JOBP.XINFO35.CTM	JOBS	JOBW.XINFO35.XXRCCTM_UNLOAD_CHECK2			
		PROD	0000003595	0000003599	0010	JOBP.XINFO35.CTM	JOBS	JOBW.XINFO35.XXRCCTM_UNLOAD_CHECK3			
		PROD	0000003710	0000003711	0010	JOBP.BACKUP.UNIX	JOBS	JOBU.BACKUP.PC11			765
		PROD	0000003710	0000003713	0010	JOBP.BACKUP.UNIX	JOBS	JOBU.BACKUP.PC39			368
		PROD	0000003718	0000003722	0010	JOBP.PROCK.FIRST	JOBS	JOBU.PROCK.REPOS.PC11			26

... and in which plan they are not active

All inactive objects ...

Connected as: P392e, file: XX37T#25

Lines: 176

Automatic – Deleted Objects

The screenshot shows the 'Automatic - Netplan' configuration window. The 'Is Deleted Y/N' field is highlighted with a red box, and a callout bubble points to it with the text 'All deleted objects'. The 'Is Active Y/N' field is set to 'Y'. The 'Predecessor level' and 'Successor level' are both set to '0'. The 'OK', 'Actions', and 'Cancel' buttons are visible at the bottom.

Field	Value
Automatic-System	=
Automatic-Client	=
High-Level Plan	=
Plan Name	=
Object Name	=
Object Type	=
System Jobname	=
Platform	=
Host	=
Login	=
Link Type	=
Sync Status	=
Is Active Y/N	Y
Is Deleted Y/N	Y
Top Plan Level Y/N	=
Est.RunTime (Sec)	=
Predecessor level	0
Successor level	0

Automatic – Deleted Objects

The screenshot shows the XINFO PC Client interface with the 'Netplan' tab selected. The main workspace displays a network diagram with two sections. The top section, titled '<STAND-ALONE>', shows a flow from 'ADAGPO P ZABCROYW TAG READONLY' to 'ADAGPO J ZABCROYW 1000', which then branches to 'ADAGPO J ZABCT0AW 1000' and 'ADAGPO J ZABCT1AW 1000', both of which connect to 'ADAGPO J ZABCT0BW 1000' and 'ADAGPO J ZABCT1BW 1000'. The bottom section, titled 'ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG', shows a flow from 'ADAGPO P RZPR027W BT PAUSE MONSCHL 1000' to 'ADAGPO P RZPR024W MON BT PAUSE MONSCHL FONDS 1000', which then connects to 'ADAGPO P RZPR028W BT PAUSE MONSCHL 1000', and finally to 'ADAGPO P ODBST00W WOC DB2 STOP START 1000'. A callout box points to the 'Table' button in the ribbon, stating 'Again click on "Table" to get a table view'. Another callout box points to the red dashed boxes around the objects, stating 'All deleted objects'. The status bar at the bottom indicates 'Connected as: P392e, file: XX37T#25' and 'Lines: 102 Nodes: 83 Links: 88'.

Again click on "Table" to get a table view

All deleted objects

Connected as: P392e, file: XX37T#25

Lines: 102 Nodes: 83 Links: 88

Automatic – Deleted Objects

XINFO PC Client - Automatic - Netplan

File Home Table Netplan Barchart Chart Script View Style

Automatic - Netplan:1 Automatic - Netplan:2

Client	Environm	System	PredKey	SuccKey	Cnt	JobPlan	Obj-Type	Object	System Jobname	Link Typ
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
			0000172298	0000172300	1000	ADAGPO_P_ZABCROYW_TAG_READONLY	JOBS	ADAGPO_J_ZABCROYW		ACTIVATE
			0000172299	0000172300	1000	ADAGPO_P_ZABCROYW_TAG_READONLY	JOBS	ADAGPO_J_ZABCROYW		EXTERNAL
			0000172300	0000172301	1000	ADAGPO_P_ZABCROYW_TAG_READONLY	JOBS	ADAGPO_J_ZABCT0AW		ACTIVATE
			0000172300	0000172302	1000	ADAGPO_P_ZABCROYW_TAG_READONLY	JOBS	ADAGPO_J_ZABCT1AW		ACTIVATE
			0000172301	0000172303	1000	ADAGPO_P_ZABCROYW_TAG_READONLY	JOBS	ADAGPO_J_ZABCT0BW		ACTIVATE
			0000172302	0000172304	1000	ADAGPO_P_ZABCROYW_TAG_READONLY	JOBS	ADAGPO_J_ZABCT1BW		ACTIVATE
			0000172298	0000172306	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_RZPR024W_MON_BT_PAUSE_MONSCHL_FONDS		ACTIVATE
			0000172298	0000172307	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_RZPR027W_BT_PAUSE_MONSCHL		ACTIVATE
			0000172306	0000172308	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_RZPR029W_BT_PAUSE_MONSCHL		ACTIVATE
			0000172307	0000172308	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_RZPR029W_BT_PAUSE_MONSCHL		ACTIVATE
			0000172308	0000172309	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ODBSTO0W_WOC_DB2_STOP_START		ACTIVATE
			0000172309	0000172310	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_OD1IR30W_WOC_REORG		ACTIVATE
			0000172310	0000172311	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_MASTER_SYSKOP_PO_IL_IM_BETRIEBSTAG		ACTIVATE
			0000172310	0000172312	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ZABWUOSW_TAG_ZABWARTUNG		ACTIVATE
			0000172311	0000172313	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_KFA_IT09		ACTIVATE
			0000172311	0000172314	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_MASTER_ZAB_ENTL_DIV_WORKTAB		ACTIVATE
			0000172311	0000172315	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ZABU001W_TAG_ZABWARTUNG		ACTIVATE
			0000172311	0000172316	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ZABWR40W_WOC		ACTIVATE
			0000172314	0000172317	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ZABC002W_TAG_TAGESBEGINN		ACTIVATE
			0000172316	0000172317	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ZABC002W_TAG_TAGESBEGINN		ACTIVATE
			0000172317	0000172318	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_GGRNF17W_TAG_GGRL		ACTIVATE
			0000172312	0000172319	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ZABCRWRW_TAG_READWRITE		ACTIVATE
			0000172315	0000172319	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ZABCRWRW_TAG_READWRITE		ACTIVATE
			0000172317	0000172319	1000	ADAGPO_P_MASTER_TAG_ABS_BETRIEBSTAG	JOBP	ADAGPO_P_ZABCRWRW_TAG_READWRITE		ACTIVATE

Connected as: P392e, file: XX37T#25 Lines: 102

Critical Path in Automatic Job Netplan

The screenshot displays the XINFO PC Client - Automatic - Netplan interface. The main workspace shows a network plan diagram with several components: EXPL_MASTER, EXPL_B, EXPL_A, and EXPL_C. Each component contains a sequence of tasks represented by colored boxes (yellow, green, blue, red) connected by arrows. A context menu is open over the diagram, listing various options. The 'Critical Path' option is highlighted at the bottom of the menu. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25' and 'Lines: 34 Nodes: 28 Links: 32'.

File Home Table **Netplan** Barchart Script View

Copy Select All Toggle Selection Edit

Fit All Fit Selected 100%

Smaller Bigger

Left to Right Top to Bottom

Subnet Table Search Show SQL

Workspace Tree

Automatic - Netplan

EXPL_MASTER

EXPL_B

EXPL_A

EXPL_C

DEFAULT
JOBS
JOB
JOB
START
END
JOB
CALL
EVNT
SCRI
INACTIVE
DELETED
SYNC
DUMMY
LOOP

Loops
Route
Redundant links
Critical Route
Critical Path

Connected as: P392E, file: XX37T#25 Lines: 34 Nodes: 28 Links: 32

XINFO – Analyzed Automic Script Functions

- XINFO is analyzing Automic script functions (also in Includes)
 - :INCLUDE
 - Activate_UC_OBJECT
 - :SET
 - SYS-ACT_ME_NAME,
GET_ATT, GET_UC_SYSTEM_NAME,
SYS_ACT_PARENT_TYPE,
SYS_ACT_JP,
SYS_ACT_TOP_NAME, SYS_ACT_CLIENT,
SYS_ACT_ME_TYPE,
SYS_ACT_PARENT_NAME,
 - STR_SUB, STR_CAT, STR_FIND, SUBSTR, STR_LENGTH, STR_FIND_REVERSE, ADD
 - GET_VAR

XINFO – Batch Interface

- Batch Interfaces (BIF) allows you to open displays and run line commands from a script to create reports because the script language provides commands for creating HTML files, including images of netplans and barcharts.
- Scripts can be developed in integrated editor from where they can also be executed, but they can also be started from a command line.

Critical Path in Automatic Job Netplan

Based on "ERT" the longest way and the estimated duration for this will be calculated

Search Result: Critical Path (0:15:07)

Object Type	Min. Level	Value
START	0	START
SCRI	1	EXPL_001 - 9000 -
START	2	START
SCRI	3	EXPL_B_001 - 9000
JOBS	4	EXPL_B_010 - 9000
JOBS	5	EXPL_B_020 - 9000
JOBF	6	EXPL_B_025 - 9000
END	7	END
START	8	START
SCRI	9	EXPL_C_001 - 9000
JOBS	10	EXPL_C_010 - 9000
JOBS	11	EXPL_C_025 - 9000
JOBS	12	EXPL_C_020 - 9000
END	13	END
CALL	14	EXPL_090 - 9000 -
END	15	END

Connected as: P392E, file: XX37T#25

Lines: 34 Nodes: 28 Links: 32

XINFO – Batch Interface

XINFO.EXE /CMD=BATCH.BIF

```
/*
/* *****
/* Logon-Parameter */
/* *****
CLOSE=ALL
LOGON='C:\PROGRAMME\XINFO\LOGON_USER_MAX.LGN'
/* *****
/* Input and Output files
/* *****
LOAD_PRED=99
LOAD_SUCC=99
/* *****
SELECTION_FILE='C:\PROGRAMME\XINFO\Selection_UC4.TXT'
CREATE_JPG_FILE='C:\TEMP\GRAFIK_1.JPG'
/* *****
EXIT /* Exit XINFO */
```

Encrypted logon-Data

A saved selection

Output file name and type

XINFO – Batch Interface

The screenshot displays the XINFO PC Client interface for the file 'Automic.BIF'. The window title is 'XINFO PC Client - Automic.BIF'. The menu bar includes 'File', 'Home', 'Table', 'Netplan', 'Barchart', 'Script', and 'View'. The ribbon contains sections for '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 'Workspace Tree' on the left shows a hierarchical view of the project structure, including 'Scheduler', 'Automic', 'Object Definitions', 'Plans', 'Run-Data', 'Graphics', 'Workflow', 'Netplan', 'Netplan (without S...', 'Object Hierarchy', 'Runtime Barchart', 'Bagjas', 'CA7', 'Control-M', 'TWS z/OS', 'TWS distributed', 'Zeke', and 'JCL'. The main editor area shows the following BIF statements:

```
1 logon='. \Bif_Samples\Automic_Bif\logon.lgn'  
2 selection_file='. \Bif_Samples\Automic_Bif\Automic.sel'  
3  
4  
5 create_htm_file='. \outbif\Automic.htm'  
6  
7 lncmd_exec='GRAPH - AUT.Netplan HL'  
8 create_jpg_file=''  
9 close  
10  
11
```

A callout box on the right contains the following text:

BIF Statements like ARRANGE, IF, SCAN and GOTO are available. Using this and the XINFO-Line Commands, you can create complex reports and documentations.

At the bottom of the window, it shows 'Connected as: P392E, file: XX37T#25'.

XINFO – Automic Documentation

File Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

file:///C:/User...if/Automic.htm

file:///C:/Users/nico.HORIZONT-IT.000/Desktop/XINFO/outbif/Automic.htm 80% Suchen

HORIZONT - Experts f...

Scheduler - Automic - Object Definitions - JobPlans

System	Clnt	Object Name	Object Title	Creation Date	Creation User	Last Update Date	Last Update User	Last Used Date	Usage Count	Active	ArchKey1	ArchKey2	Int. Account	Max.Paral.	Else	Prio	Time
PROD	9000	EXPL_MASTER	This is an Example Masterplan	28.03.2012 12:33:12		07.03.2013 18:16:27	HELMUT/ADM			0	Y	example	example		0	0	

Scheduler - Automic - Graphics - Netplan

That HTML document was created by the PC Client and it's BIF Statements. It includes continuous information of jobs, including graphical flowcharts.

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 red curved shape on the left and several faint, semi-transparent geometric shapes (squares and a triangle) scattered around the text.

HORIZONT

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