



# HORIZONT

XINFO – Scanner DS - Automatic

# Vorwort

- In dieser Datei verwenden wir den Begriff „Automic“ (früher „UC4“).
- Beispiele, Parameter, technische Ausdrücke könnten noch auf den alten Begriff „UC4“ anstatt „Automic“ verwenden.

Dieser Button kann verwendet werden, um zu bestimmten Folien zu springen.

z.B. können Sie zur Folie Agenda springen

Mit diesem Symbol können Sie zur Übersichtsfolie vor/zurück gelangen.

# AGENDA

## XINFO – Scanner DS - Automic

Was ist XINFO?

Technische Übersicht

XINFO und Automic

Automic - Auswahl

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

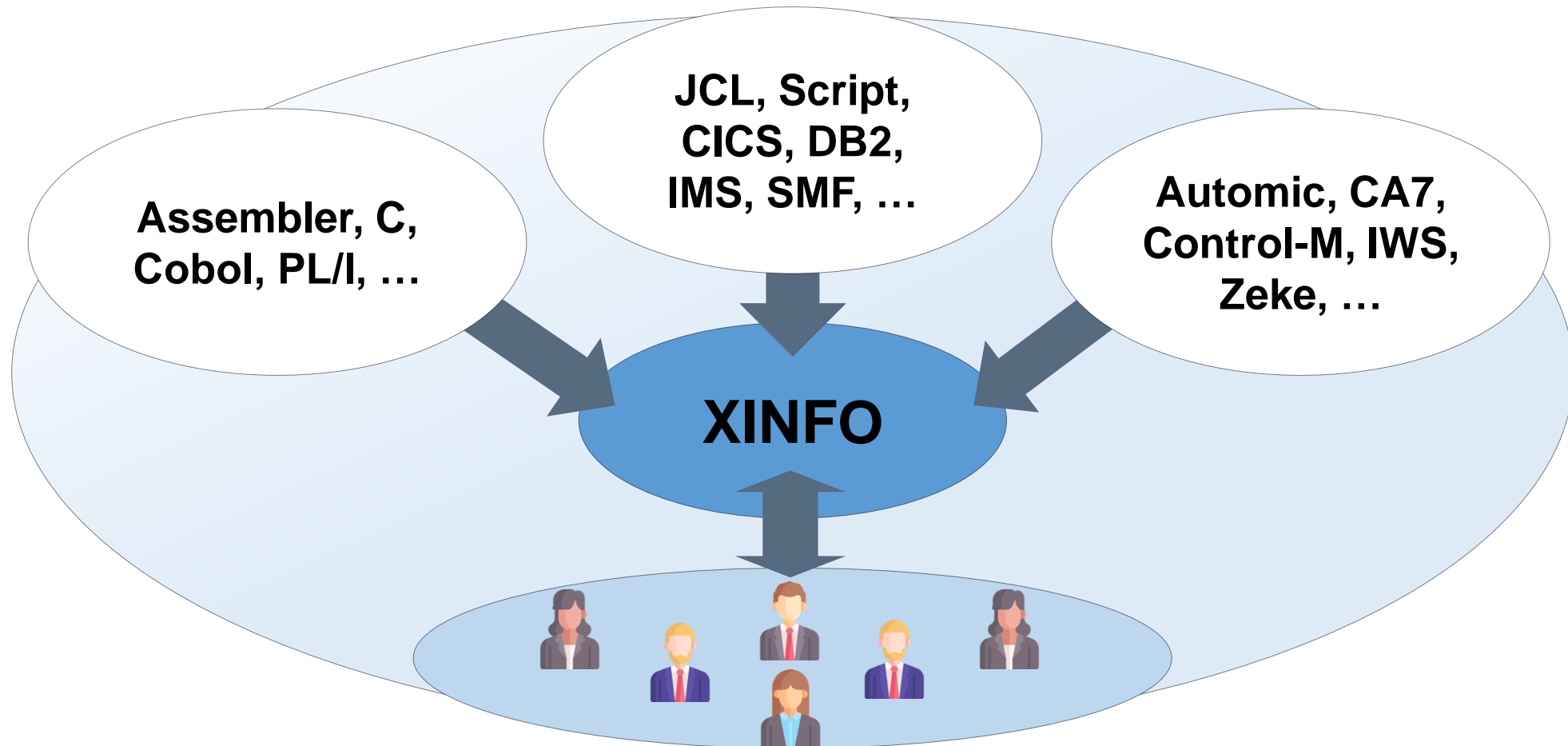
Inactive Objects

Deleted Objects

Batch Interface

# Was ist XINFO?

Ein umfassendes Cross-Referenz- und Reporting-Tool zur Analyse vielfältiger Systeme eines Rechenzentrums:

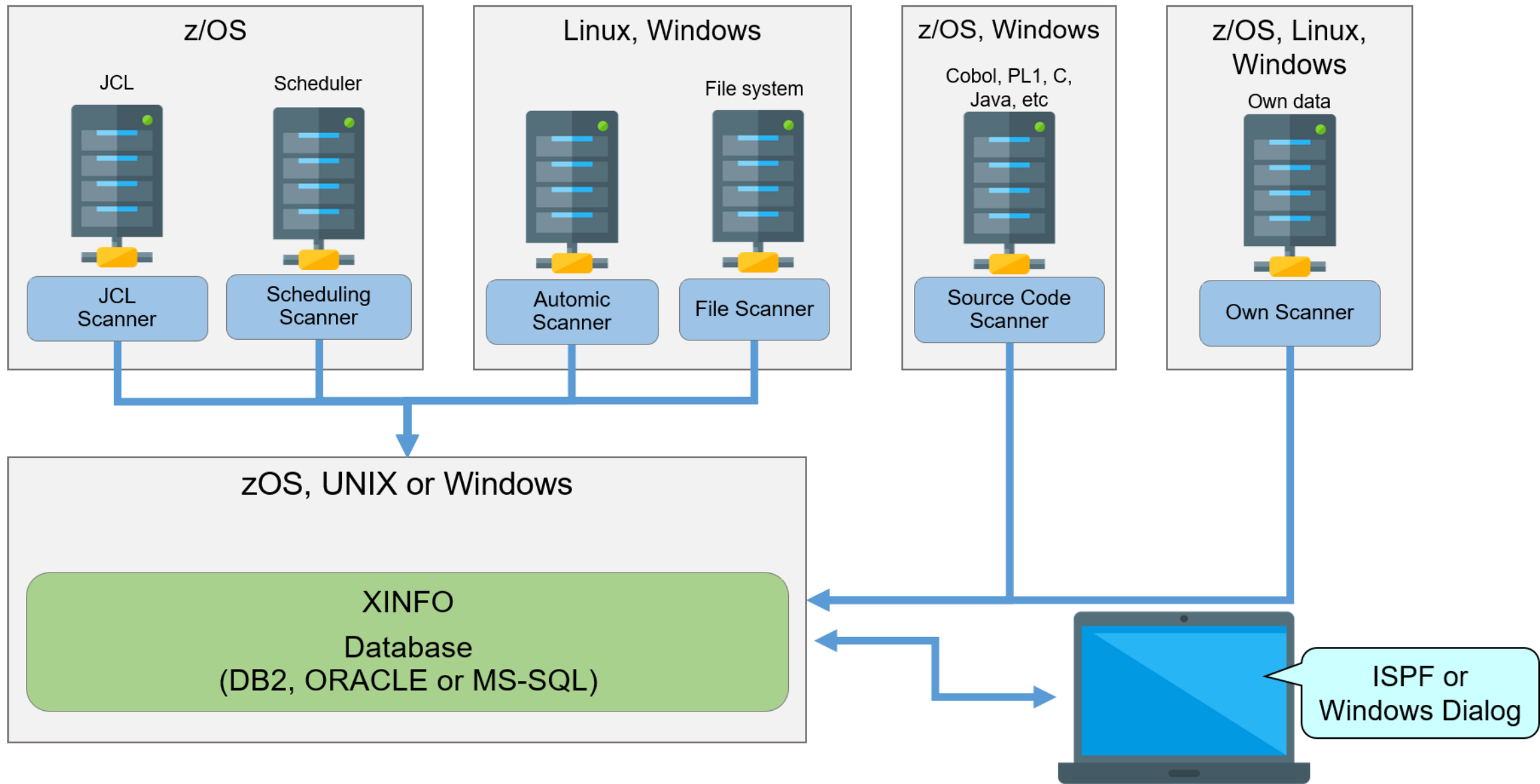


# Was ist XINFO?

XINFO ist ein Informations- und Dokumentationssystem für Rechenzentren:

- XINFO analysiert Ihre Automic-Definitionen
- XINFO analysiert z/OS, UNIX und Windows Server: JCL, Scheduling-Systeme, Programm-Sourcen, Dateiinhalt, Job- und Programmlaufzeiten, SAP und vieles mehr.
- Das Ergebnis der Analyse wird in eine Datenbank geladen.
- Für Abfragen gibt es Dialogprogramme (ISPF, Windows, Eclipse), mit denen Ergebnisse tabellarisch oder grafisch dargestellt werden können.
- RZ-Dokumentationen werden mit XINFO automatisch und fehlerfrei erstellt und stehen allen Benutzergruppen sofort zur Verfügung.

# Technische Übersicht



# Typische Fragestellungen

In der Produktion treten wiederholt typische Fragestellungen auf:

- Welche Nachfolger hat ein Job?
- Welche Jobs laufen auf welchen Agenten?
- Was ist die durchschnittliche Laufzeit eines Jobs?
- Welche Jobs werden nicht mehr verwendet?
- Wo wird das Sync-Objekt verwendet?
- Wann sind die Jobs zuletzt gelaufen?
- Welche Jobs sind inaktiv?
- Was ist der Kritische Pfad?
- ...

# Wer benutzt XINFO?

XINFO ist das Informationssystem für alle Mitarbeiter, z.B.

- Produktionsplanung
- Administratoren
- Anwendungsentwicklung
- Fachabteilungen
- Projektgruppen
- ...





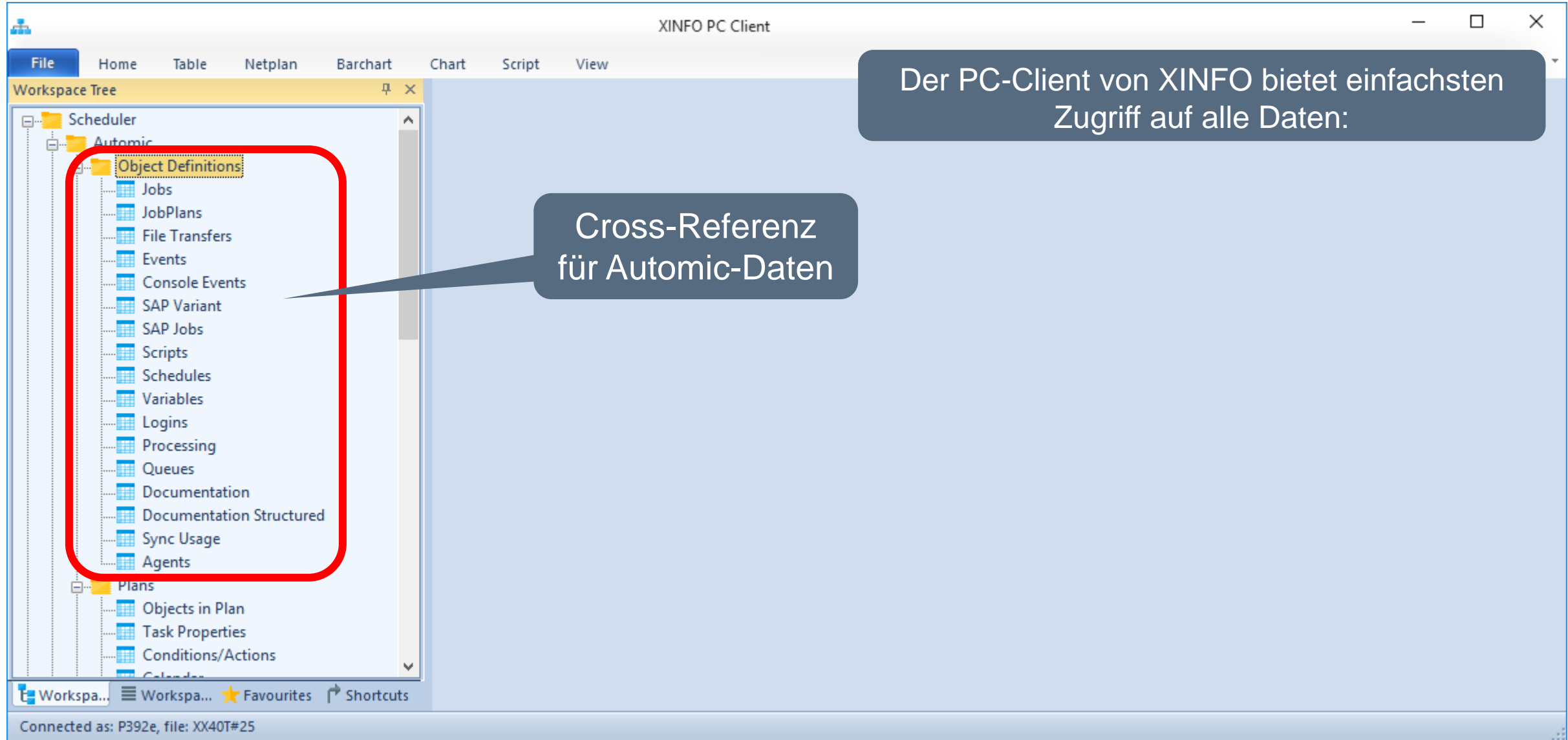
XINFO ist eine sinnvolle Ergänzung für Automic und bietet u.a.:

- Durchgängige Jobnetzpläne über alle Jobpläne über alle Level. Damit können Sie alle Abhängigkeiten auf Jobebene analysieren und optimieren.
- Mächtige und schnelle Suchfunktion. Alle Attribute der Objekte können dabei beliebig kombiniert werden. Natürlich für z.B.:
  - Adhoc-Auswertungen, z.B. welche Jobs laufen auf Server xyz? (auch wenn der Host-Name über Variable gesetzt wird)
  - Automatische Kontrolle der eigenen Konventionen
  - „unendliche“ Job-History bzw. -Laufzeitinformationen, ohne die UC4-DB zu belasten
- Gibt auch „nicht-Experten“ Einblick in die Produktion

Das Automic-Interface von XINFO analysiert folgende Daten:

- Objekt-Definitionen: JobPlan, Jobs, Filetransfer, Events, etc. für alle Plattformen
- Pre-Script, Script, Post-Script incl. Script-Funktionen und Variable (bei z/OS optional auch Ausgabe der JCL „wie der Job laufen wird“)
- Schedules
- Sync-Verwenden
- SAP-Varianten in Automic-Jobs
- Statistik, Runtimes (Joblaufzeiten)
- Forecast (Prognose, kein eigener XINFO-Forecast)
- Activities
- Revisions-Reports

# Automatic – Auswahl



The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left displays a hierarchy: Scheduler > Automatic > Object Definitions. The 'Object Definitions' folder is highlighted with a red rounded rectangle. A callout bubble points to this folder with the text 'Cross-Referenz für Automatic-Daten'. The main window area is empty. A dark blue callout bubble in the top right corner contains the text 'Der PC-Client von XINFO bietet einfachsten Zugriff auf alle Daten:'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

Der PC-Client von XINFO bietet einfachsten Zugriff auf alle Daten:

Cross-Referenz für Automatic-Daten

# Automic – Auswahl

The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left contains the following items:

- Plans
  - Objects in Plan
  - Task Properties
  - Conditions/Actions
  - Calendar
  - Kun-Data** (highlighted with a red rounded rectangle)
    - Activities
    - Runtimes
    - Transferred Files
    - Revision Report
    - Comments
    - Recurring Tasks
    - Sync Conflicts
    - Forecast
  - Graphics** (highlighted with a red rounded rectangle)
    - Workflow
    - Netplan
    - Netplan (without SYNC, ACTIVATE)
    - Object Hierarchy
    - Runtime Barchart
    - Activities Netplan
- Bagjas
- CA7
- Control-M

Callout boxes provide additional information:

- A callout box points to the 'Kun-Data' folder with the text: **Job-Historie und Forecast**
- A callout box points to the 'Graphics' folder with the text: **Graphische Netz- und Balkenpläne**

A large dark blue callout box on the right side of the interface contains the text: **Der PC-Client von XINFO bietet einfachsten Zugriff auf alle Daten:**

The status bar at the bottom indicates: **Connected as: P392e, file: XX40T#25**

# Automatic – Job Definitionen

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	=		

Suche alle UNIX-Jobs mit Archive Key INET1.P01

Return Use Execute =

Est. RunTime (Sec) =

DD.MM.YYYY,HH:MM:SS

OK Actions Cancel

# Automatic – Job Definitionen

Die Jobs

HOST und LOGIN werden auch aus Pre-Script und Script ermittelt

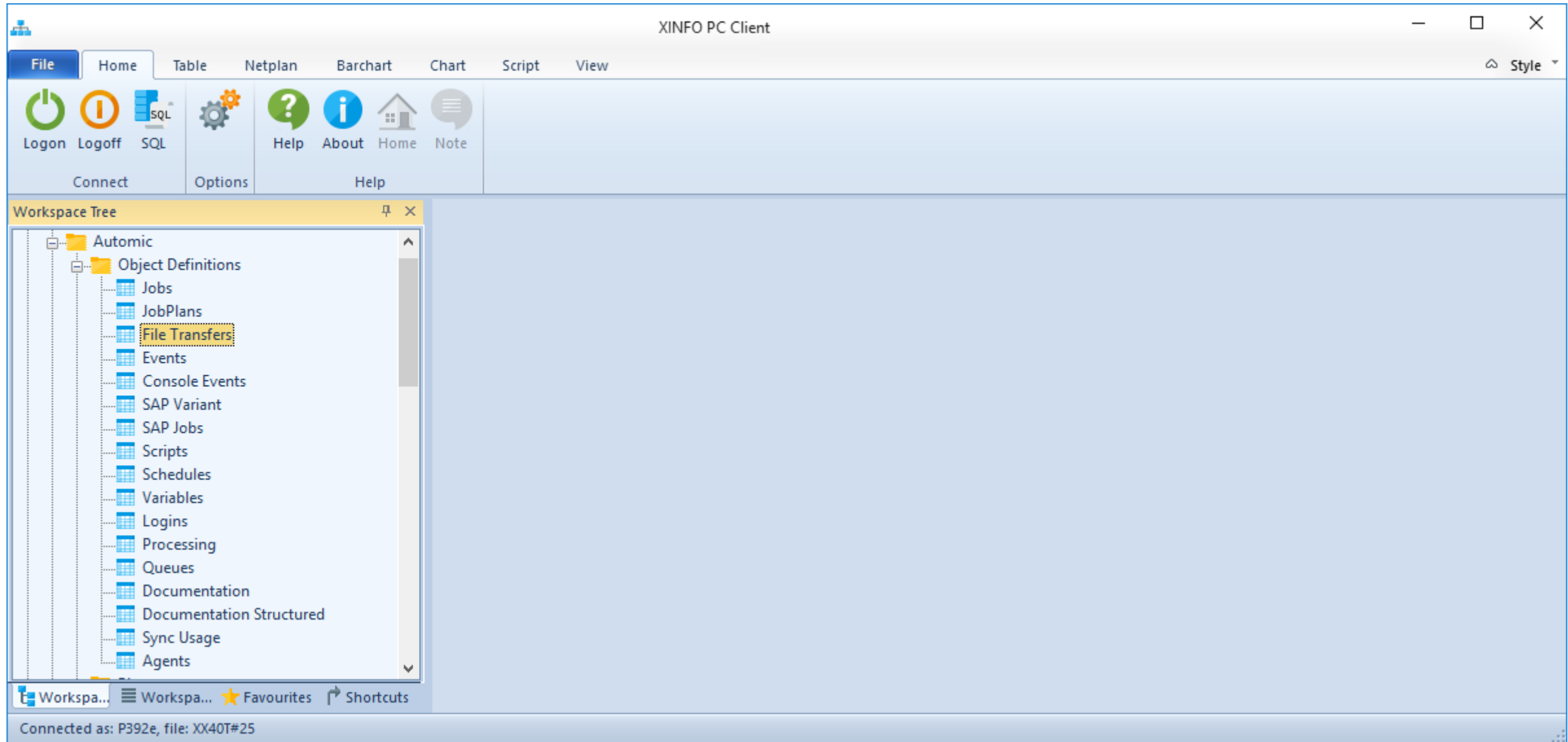
Archiv-Begriffe zu den Jobs

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_DE		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	mpxalinet20	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	mpxalinet24	Set inet in maintenance mode	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 database	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/

Connected as: P392E, file: XX37T#25

Lines: 36

# Automatic – 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. Run Time (Sec)	=	▼	
ERT (HHHH.MM.SS)	=	▼	

OK    Actions ▼    Cancel

Welche Dateien werden vom Server XY übertragen

... und löschen die Quelle

# Automatic – File Transfers

The screenshot displays the 'Automatic - File Transfers' window in the XINFO PC Client. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Script, View) and a toolbar with various options like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, Subtable, and Graph. The main area shows 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 first row of data is highlighted in blue and contains the following values: <all>, <all>, <all>, LOGIN.PC39.UC4, <all>, /export/spare/repositories/subversion\_backup\_\*, <all>, PC48, LOGIN.PC48.UC4, <all>, F:\backups\_svn\subversion\_backup\_\*, <all>, and Y. Red boxes highlight the 'From-File' and 'To-File' columns. Callouts point to these columns with the text 'From-File' and 'To File'. A larger callout at the bottom states 'File Transfer zeigt außerdem Definitionen des RA - Agenten'. 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
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<..>
PROD	0010	PC39	LOGIN.PC39.UC4		/export/spare/repositories/subversion_backup_*		PC48	LOGIN.PC48.UC4		F:\backups_svn\subversion_backup_*		Y

From-File

To File

File Transfer zeigt außerdem Definitionen des RA - Agenten

Connected as: P392E, file: XX37T#25

Lines: 1

# Automic – File Transfers

The screenshot displays the Automic File Transfers interface. On the left, a table lists file transfer objects. The selected object is highlighted in blue. The main window shows the details for this object, including its name, system, client, and various attributes. A callout box points to the details window, stating that all attributes are available for search and can be combined.

Name	Value
Automic-System	PROD
Automic-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	

Alle Attribute des Filetransfer-Objektes stehen zum Suchen zur Verfügung und können kombiniert werden.

# Automic – Calendar

The screenshot shows the XINFO PC Client interface. The 'Automic - Calendar' dialog box is open, displaying several configuration fields. The 'Keyword' field is highlighted with a red box and contains the text 'MONDAY'. A callout bubble points to this field with the text 'Wo wird dieser Kalenderbegriff verwendet'. The dialog box also includes fields for 'Automic-System', 'Automic-Client', 'Calendar', 'Plan Name', 'Object Name', 'Line Number', and 'Calendar Number'. The 'OK', 'Actions', and 'Cancel' buttons are visible at the bottom of the dialog box.

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

# Automatic – Calendar

... diesen Kalenderbegriff

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	

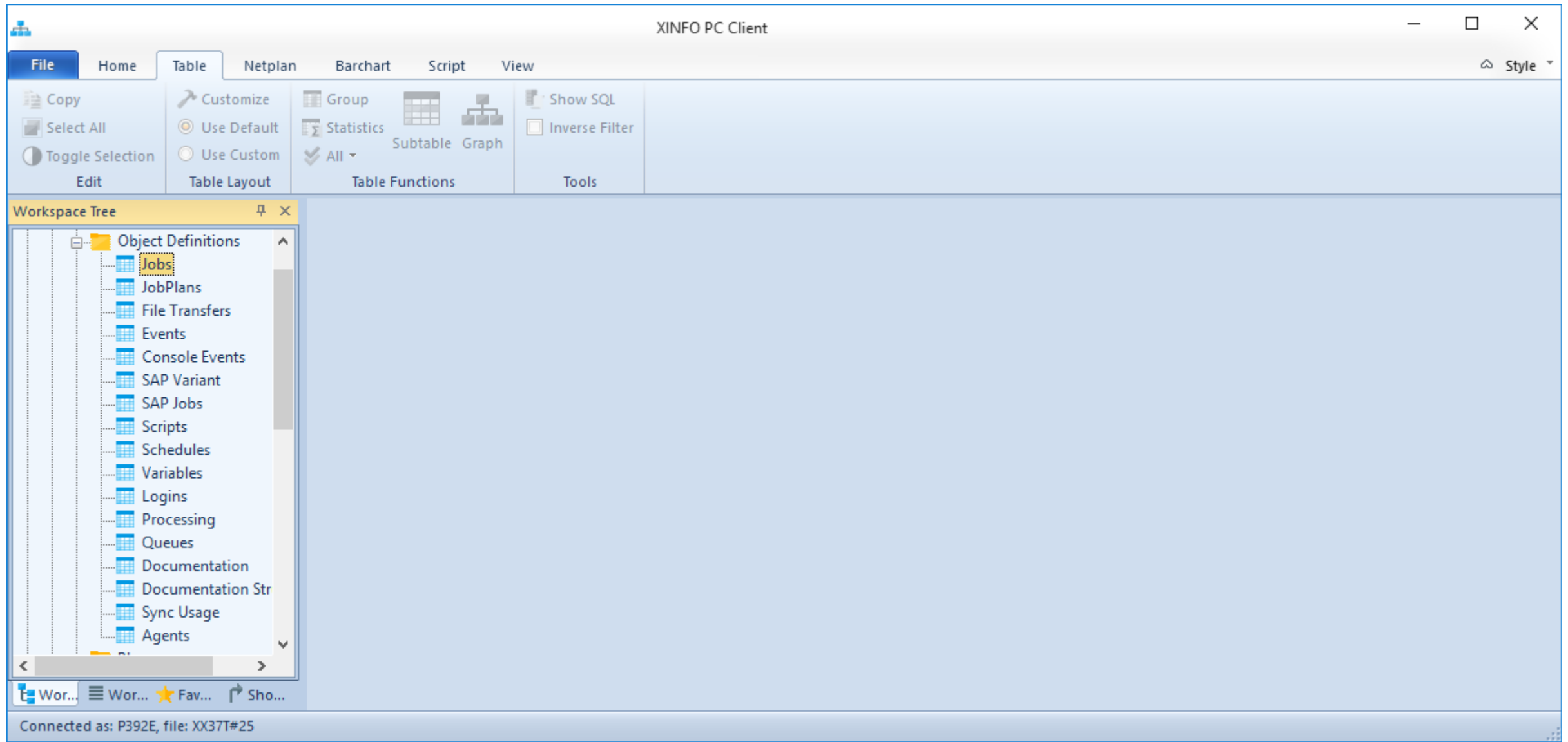
In diesen Jobplänen ...

... verwenden diese Objekte (Jobs oder Jobpläne)

Connected as: P392E, file: XX37T#25

Lines: 2

# XINFO – Line Commands





# XINFO – Line Commands

XINFO PC Client - Automic - Runtimes

File Home Table Netplan Barchart 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	CF
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	23.01.2016,05:32:00	23.01.2016,05:32:07	ENDED_OK	1900	0	7	0000.00.07	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	24.01.2016,05:32:01	24.01.2016,05:32:05	ENDED_OK	1900	0	4	0000.00.04	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	25.01.2016,05:31:45	25.01.2016,05:31:52	ENDED_OK	1900	0	7	0000.00.07	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	26.01.2016,05:31:56	26.01.2016,05:32:01	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	27.01.2016,05:31:56	27.01.2016,05:32:01	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	28.01.2016,05:31:56	28.01.2016,05:32:01	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	29.01.2016,05:31:56	29.01.2016,05:32:01	ENDED_OK	1900	0	8	0000.00.08	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	30.01.2016,05:31:54	30.01.2016,05:32:01	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	31.01.2016,05:31:34	31.01.2016,05:32:01	ENDED_OK	1900	0	4	0000.00.04	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	01.02.2016,05:31:42	01.02.2016,05:32:01	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	02.02.2016,05:31:43	02.02.2016,05:32:01	ENDED_OK	1900	0	6	0000.00.06	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	03.02.2016,05:31:57	03.02.2016,05:32:01	ENDED_OK	1900	0	7	0000.00.07	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	04.02.2016,05:31:48	04.02.2016,05:32:01	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	05.02.2016,05:31:48	05.02.2016,05:31:55	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	06.02.2016,05:31:50	06.02.2016,05:31:56	ENDED_OK	1900	0	6	0000.00.06	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	07.02.2016,05:31:53	07.02.2016,05:31:57	ENDED_OK	1900	0	4	0000.00.04	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	08.02.2016,05:31:39	08.02.2016,05:31:44	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	09.02.2016,09:33:38	09.02.2016,09:33:46	ENDED_OK	1900	0	8	0000.00.08	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	10.02.2016,05:31:47	10.02.2016,05:31:53	ENDED_OK	1900	0	6	0000.00.06	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	11.02.2016,05:31:37	11.02.2016,05:31:42	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	12.02.2016,05:31:40	12.02.2016,05:31:46	ENDED_OK	1900	0	6	0000.00.06	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	13.02.2016,05:31:50	13.02.2016,05:31:55	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	14.02.2016,05:31:55	14.02.2016,05:32:00	ENDED_OK	1900	0	5	0000.00.05	
PROD	0010	JOBZ.XINFO35.XXRJDCM	JOBS	XXRJDCM	MVS	15.02.2016,05:31:32	15.02.2016,05:31:37	ENDED_OK	1900	0	5	0000.00.05	

z.B. von den Job Definitionen zu Runtime, oder zu SAP oder zu JCL,...

Connected as: P392E, file: XX37T#25 Lines: 95



# Automatic – Runtime (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", "Script", and "View". The ribbon contains several groups of tools: "Edit" (Copy, Select All, Toggle Selection), "Table Layout" (Customize, Use Default, Use Custom), "Table Functions" (Group, Statistics, All, Subtable, Graph), and "Tools" (Show SQL, Inverse Filter). The "Workspace Tree" on the left shows a hierarchical structure under "Scheduler": "Automatic" (expanded), "Object Definitions", "Plans", "Run-Data" (expanded), "Graphics", "Bagjas", "CA7", "Control-M", "TWS z/OS", and "TWS distributed". Under "Run-Data", the "Runtimes" folder is selected and highlighted. The status bar at the bottom indicates "Connected as: P392E, file: XX37T#25".

# Automatic – Runtime (Job History)

Automatic - Runtimes

Automatic-System	=		
Automatic-Client	=		
Object Name	=	*backup*	
Object Type	=		
System Jobname	=		
Platform	=		
Start-Time	>=	01.01.2017	
End-Time	<=	31.01.2017	
Status	=		
Status ID	=		
Return Code	=		
Duration (Sec)	=		
Dur. (HH:MM:SS)	=		
CPU Time	=		

DD.MM.YYYY,HH:MM:SS

Archive Key 2	=		
Int. Account	=		
Activity SubType	=		
Queue Name	=		

OK Actions Cancel

Wann sind im Januar die Backups gelaufen?

# Automic – Runtimes (Job History)

Automic Objekte (Jobs, Pläne, Filetransfer etc.)

System	Clnt	Object Name	Job Name	Start-Time	End-Time	Status	Status ID	Return Code	DurSecs	Duration
PROD	0010	JOBP.BACKUP.UNIX	JOBP	21.01.2016,02:00:10	21.01.2016,02:00:11	ENDED_OK	1900	0	1	0000.00.01
PROD	0010	JOBU.BACKUP.PC12	JOBS	21.01.2016,02:00:10	21.01.2016,02:00:11	ENDED_OK	1900	0	1	0000.00.01
PROD	0010	JOBW.BACKUP_SVN_HORIZONT	JOBS	21.01.2016,05:30:13	21.01.2016,05:53:56	ENDED_OK	1900	0	1423	0000.23.43
PROD	0010	JOBP.BACKUP_SVN	JOBP	21.01.2016,05:30:13	21.01.2016,06:00:21	ENDED_OK	1900	0	1808	0000.30.08
PROD	0010	JOBF.BACKUP_SVN_HORIZONT	JOBF	21.01.2016,05:53:56	21.01.2016,06:00:21	ENDED_OK	1900	0	385	0000.06.25
PROD	0010	JOBP.BACKUP.UNIX	JOBP	22.01.2016,02:00:04	22.01.2016,02:00:04	ENDED_OK	1900	0	0	0000.00.00
PROD	0010	JOBU.BACKUP.PC12	JOBS	22.01.2016,02:00:04	22.01.2016,02:00:04	ENDED_OK	1900	0	0	0000.00.00
PROD	0010	JOBW.OA5.BACKUP_MYSQL_MYS...	JOBS	22.01.2016,05:00:00	22.01.2016,05:00:05	ENDED_OK	1900	0	1	0000.00.01
PROD	0010	JOBP.OA5.BACKUP	JOBP	22.01.2016,05:00:00	22.01.2016,05:00:23	ENDED_OK	1900	0	19	0000.00.19
PROD	0010	JOBW.OA5.BACKUP_MYSQL_HORI...	JOBS	22.01.2016,05:00:00	22.01.2016,05:00:23	ENDED_OK	1900	0	1	0000.00.18
PROD	0010	JOBU.BACKUP_SVN_HORIZONT	JOBS	22.01.2016,05:54:55	22.01.2016,05:54:55	ENDED_OK	1900	0	0	0000.00.00
PROD	0010	JOBP.BACKUP_SVN	JOBP	22.01.2016,05:30:08	22.01.2016,06:01:14	ENDED_OK	1900	0	19	0000.00.19
PROD	0010	JOBF.BACKUP_SVN_HORIZONT	JOBF	22.01.2016,05:54:56	22.01.2016,06:01:14	ENDED_OK	1900	0	18	0000.00.18
PROD	0010	JOBW.OA5.BACKUP_MYSQL_MYS...	JOBS	23.01.2016,05:00:11	23.01.2016,05:00:11	ENDED_OK	1900	0	0	0000.00.00
PROD	0010	JOBP.OA5.BACKUP	JOBP	23.01.2016,05:00:10	23.01.2016,05:00:29	ENDED_OK	1900	0	19	0000.00.19
PROD	0010	JOBW.OA5.BACKUP_MYSQL_HORI...	JOBS	23.01.2016,05:00:12	23.01.2016,05:00:29	ENDED_OK	1900	0	17	0000.00.17
PROD	0010	JOBP.BACKUP.UNIX	JOBP	25.01.2016,02:00:06	25.01.2016,02:00:07	ENDED_OK	1900	0	1	0000.00.01
PROD	0010	JOBU.BACKUP.PC12	JOBS	25.01.2016,02:00:06	25.01.2016,02:00:07	ENDED_OK	1900	0	1	0000.00.01
PROD	0010	JOBW.OA5.BACKUP_MYSQL_MYS...	JOBS	25.01.2016,05:00:01	25.01.2016,05:00:02	ENDED_OK	1900	0	1	0000.00.01
PROD	0010	JOBP.OA5.BACKUP	JOBP	25.01.2016,05:00:01	25.01.2016,05:00:21	ENDED_OK	1900	0	20	0000.00.20
PROD	0010	JOBW.OA5.BACKUP_MYSQL_HORI...	JOBS	25.01.2016,05:00:03	25.01.2016,05:00:21	ENDED_OK	1900	0	18	0000.00.18
PROD	0010	JOBU.BACKUP_SVN_HORIZONT	JOBS	25.01.2016,05:30:03	25.01.2016,05:57:07	ENDED_OK	1900	0	1624	0000.27.04
PROD	0010	JOBF.BACKUP_SVN_HORIZONT	JOBF	25.01.2016,05:57:08	25.01.2016,06:03:32	ENDED_OK	1900	0	384	0000.06.24
PROD	0010	JOBP.BACKUP_SVN_HORIZONT	JOBP	25.01.2016,06:03:33	25.01.2016,06:03:33	ENDED_OK	1900	0	0	0000.00.00

Start / End

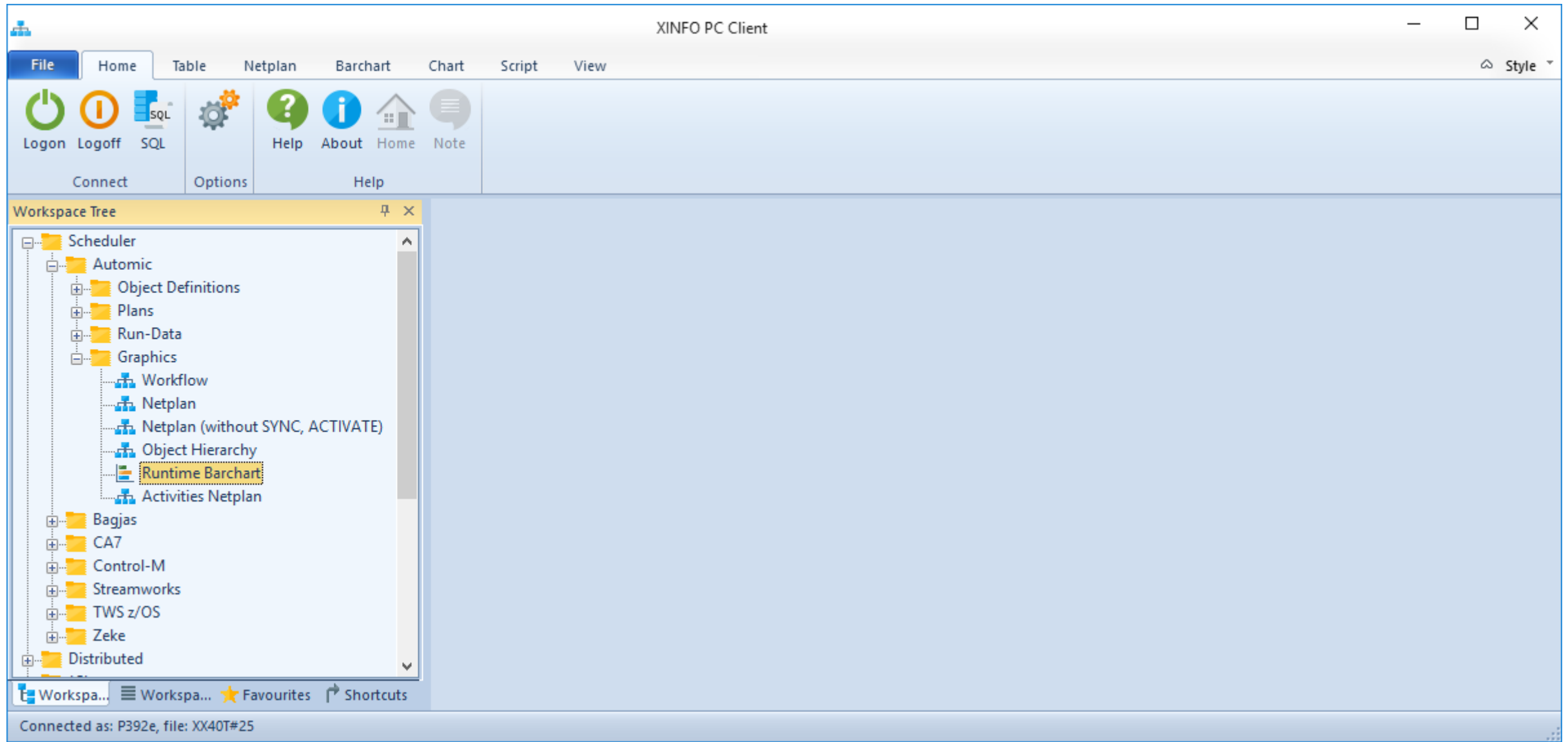
Status, Dauer, CPU-Time ...

Sie können diese Laufzeit-Daten im XINFO für eine langen Zeitraum halten, länger als im Automic.

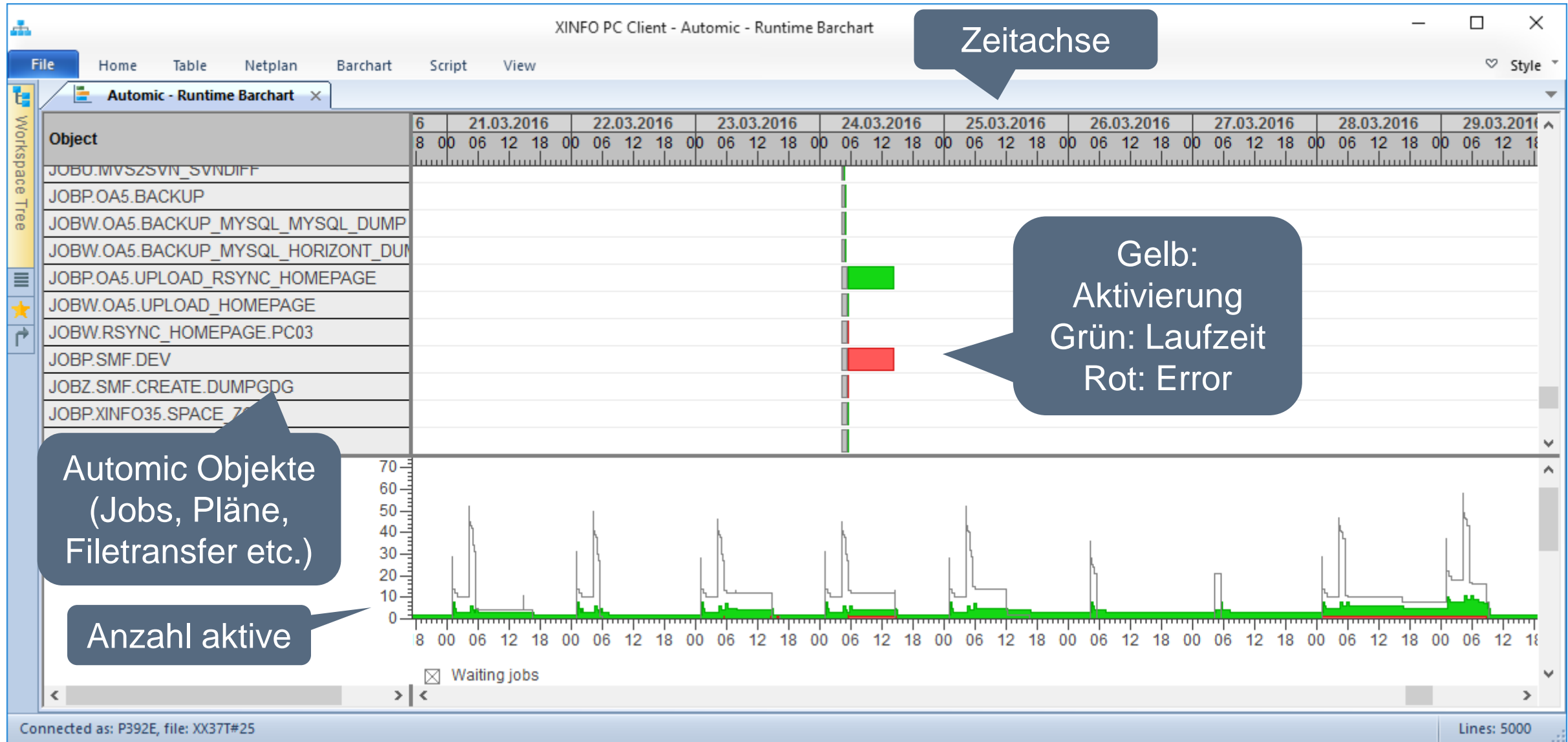
Connected as: P392E, file: XX37T#25

Lines: 59

# Automatic – Runtime Barchart (Job History)



# Automatic – Runtime Barchart (Job History)



# Automatic – Job Netzplan

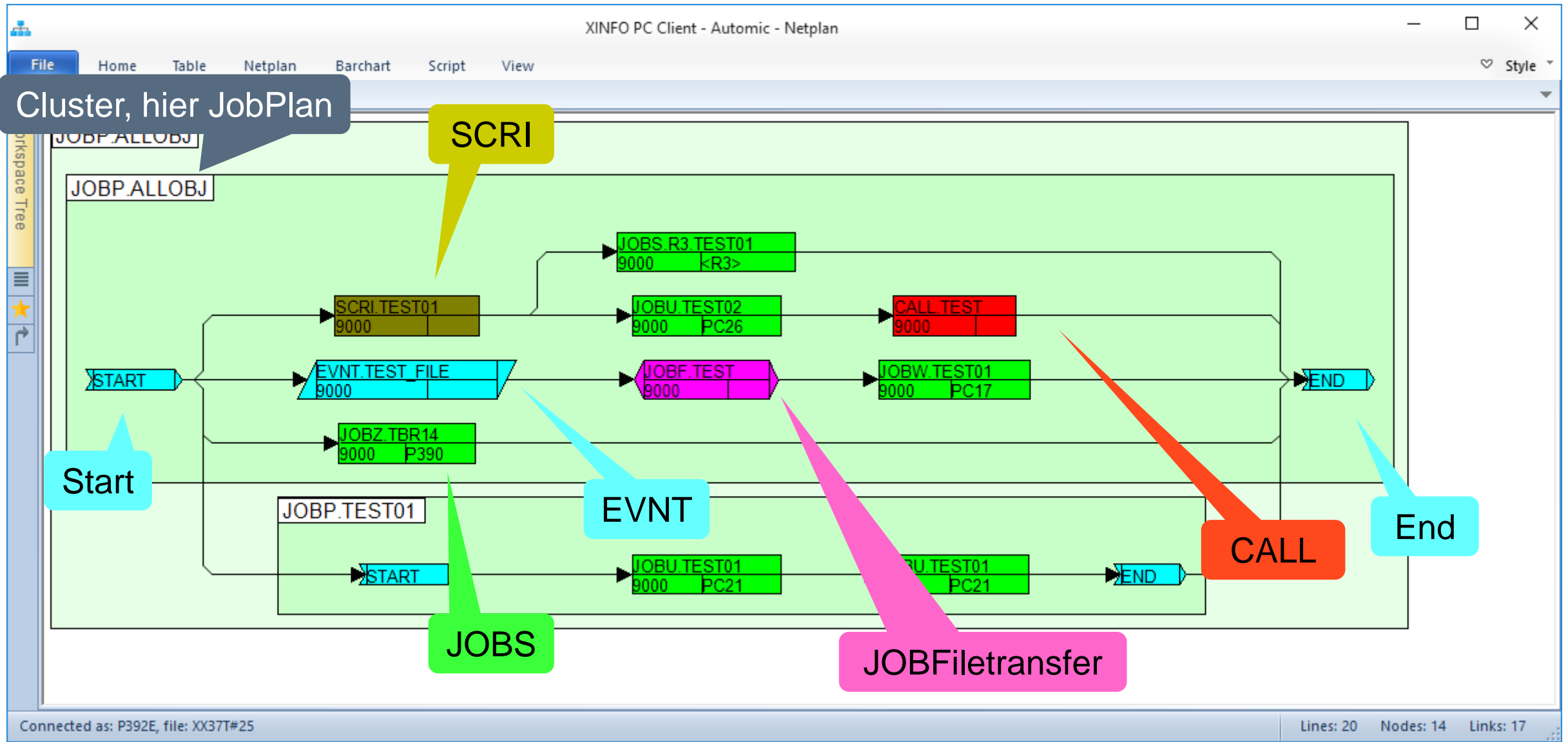
The screenshot displays the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The toolbar contains icons for "Logon", "Logoff", "SQL", "Options", "Help", "About", "Home", and "Note".

The "Workspace Tree" on the left side shows a hierarchical structure:

- Scheduler
  - Automatic
    - Object Definitions
    - Plans
    - Run-Data
    - Graphics
      - Workflow
      - Netplan** (highlighted)
      - Netplan (without SYNC, ACTIVATE)
      - Object Hierarchy
      - Runtime Barchart
      - Activities Netplan
  - Bagjas
  - CA7
  - Control-M
  - Streamworks
  - TWS z/OS
  - Zeke
  - Distributed

The status bar at the bottom indicates "Connected as: P392e, file: XX40T#25".

# Automic – Job Netzplan, die Objekte



# Automic – Job Netzplan

The screenshot displays the Automic Job Network Plan interface. On the left, a 'Workspace Tree' shows a job plan named 'JOBP.ALLOBJ'. The main area shows a network plan with a 'START' node and an 'END' node. A 'Details' window is open, showing the following information:

Name	Value
Client	
Environment	
Automic-System	PROD
Predecessor	0000000005
Successor	0000001886
Automic-Client	9000
Original Plan Name	JOBP.ALLOBJ
Object Type	JOBS
Object Name	JOBW.TEST01
System Jobname	
Link Type	SYNC
Est.RunTime (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-Informationen per Doppelklick. Diese können auch dem Symbol hinzugefügt werden (z.B. Host)".

At the bottom of the interface, there are buttons for 'OK', 'Copy', 'Print...', and 'Save As...'. The status bar at the bottom right shows 'Lines: 20 Nods: 14 Links: 17'.



# Automatic – Job Netzplan

The screenshot displays the 'Automatic - Netplan' window in the XINFO PC Client. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with icons for Logon, Logoff, SQL, and Options. A callout box points to the 'Options' icon with the text 'Auf Einstellungen klicken'. The main workspace shows a 'Workspace Tree' on the left with a tree view containing folders like Scheduler, Automatic, Object Definitions, Plans, Run-Data, Graphics, Workflow, and Netplan. The central area displays a job network plan for 'JOBP.ALLOBJ'. The plan starts with a 'START' node (cyan arrow) which branches into three parallel paths: 1) 'EVNT.TEST\_FILE' (cyan trapezoid) leading to 'JOBF.TEST' (magenta hexagon), then 'JOBW.TEST01' (green rectangle), and finally 'CALL TEST' (red rectangle); 2) 'SCRI.TEST01' (brown rectangle) leading to 'JOBU.TEST02' (green rectangle), then 'CALL TEST' (red rectangle); 3) 'JOBZ.TBR14' (green rectangle) leading to 'JOBS.R3.TEST01' (green rectangle), then 'CALL TEST' (red rectangle). All paths converge at an 'END' node (cyan arrow). A status bar at the bottom indicates 'Lines: 16 Nodes: 10 Links: 12'.

Um Farben, Form, Inhalt der Symbole anzupassen ...

Auf Einstellungen klicken

Connected as: P392e, file: XX40T#25

Lines: 16 Nodes: 10 Links: 12

# Automic – Job Netzplan

Options

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

Automic - Activities Netplan - Node styles

ACTIVE

Field name: Alias

- Alias
- Automic-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 Farben, Form, Inhalte der Symbole anpassen

# Automatic – Job Netzplan

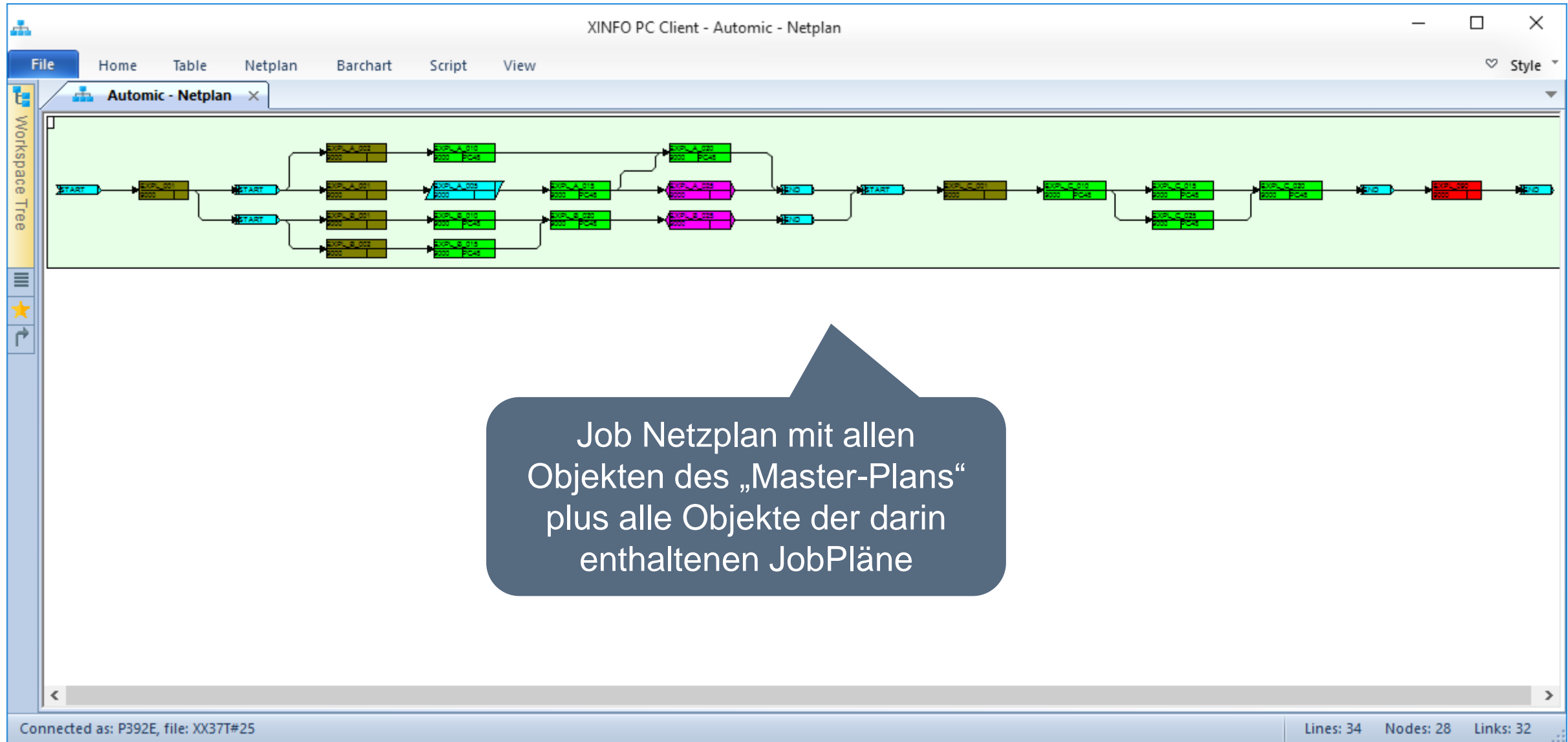
Automatic - Netplan

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

Geben Sie hier den Jobplannamen an, von dem Sie alle „untergeordneten“ Jobs/Objekte sehen wollen.

# Automic – Job Netzplan



# Automatic – Job Netzplan

Options

- General
- Netplans
  - A-Auto
  - AOCS
  - Automatic
    - Activities Netplan
    - Netplan
      - Graph options
      - 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

Level: 2

Frame background color: Custom...

Node background color: White

Node text color: Black

Font: Sample text

Time ruler

Font: ... Not specified ...

Dependency levels for line commands

Predecessor: 10

Successor: 10

Link bundling

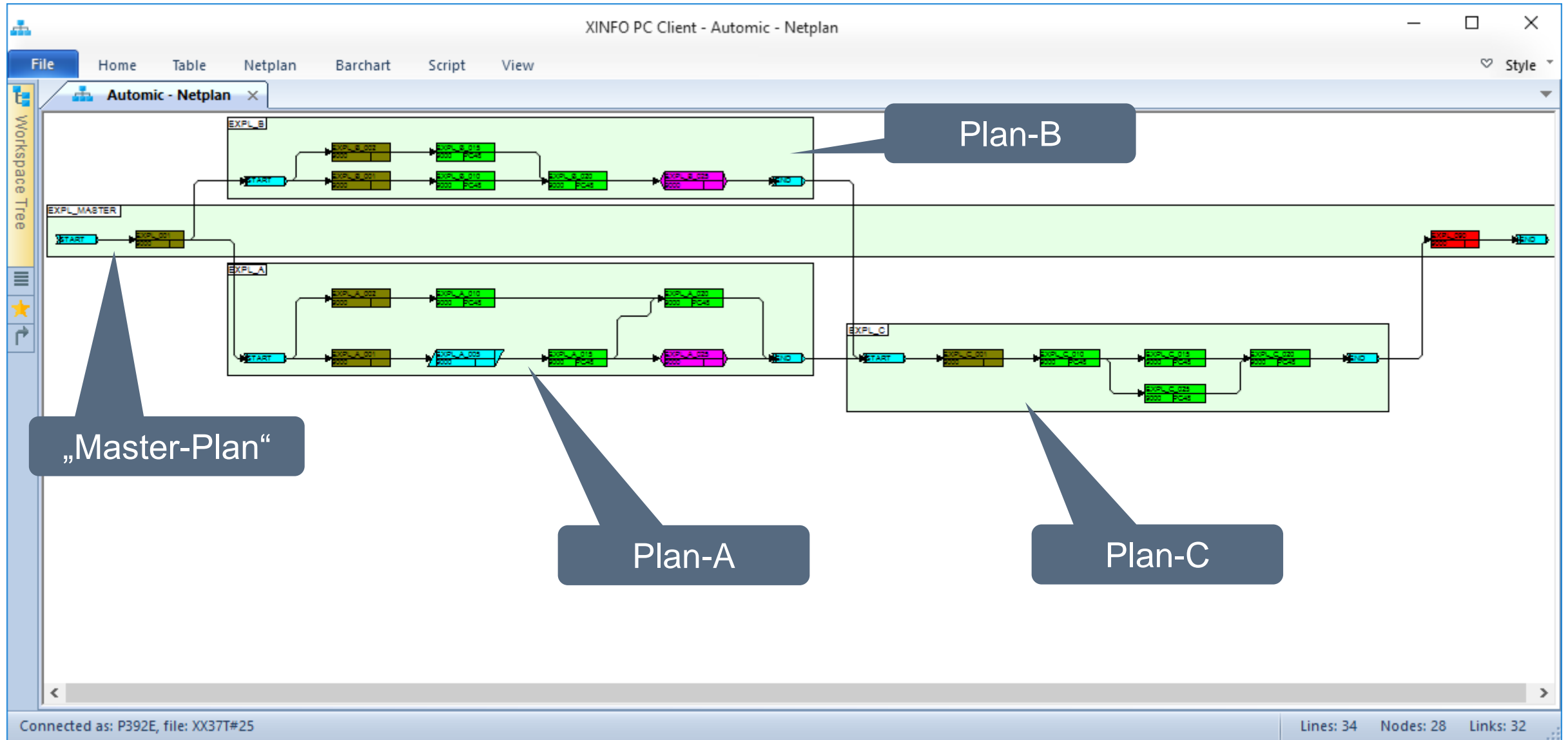
Enable link bundling:

4

OK Cancel

Option Cluster nach "JobPlan"

# Automic – Job Netzplan



# Automic – Job Netzplan, Pred/Succ-Level

The screenshot displays the XINFO PC Client interface for Automic - Netplan. The main workspace shows a network plan with nodes like START, EXPL B 001, EXPL B 010, EXPL B 020, EXPL B 025, EXPL MASTER, EXPL 001, EXPL A 001, 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 box points to the 'Pred/Succ netplan...' menu item with the text '„Rechte Maus“, Pred/Succ Netzplan'. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25' and 'Lines: 34 Nodes: 28 Links: 32'.

Workspace Tree

File Home Table Netplan Barchart Script View

Automic - Netplan

EXPL MASTER

EXPL 001

EXPL

EXPL A 001

EXPL A 005

EXPL A 015

EXPL A 025

EXPL B 001

EXPL B 010

EXPL B 020

EXPL B 025

START

START

START

START

Pred/Succ Netplan

Predecessor level 1 (0 - 999)

Successor level 99 (0 - 999)

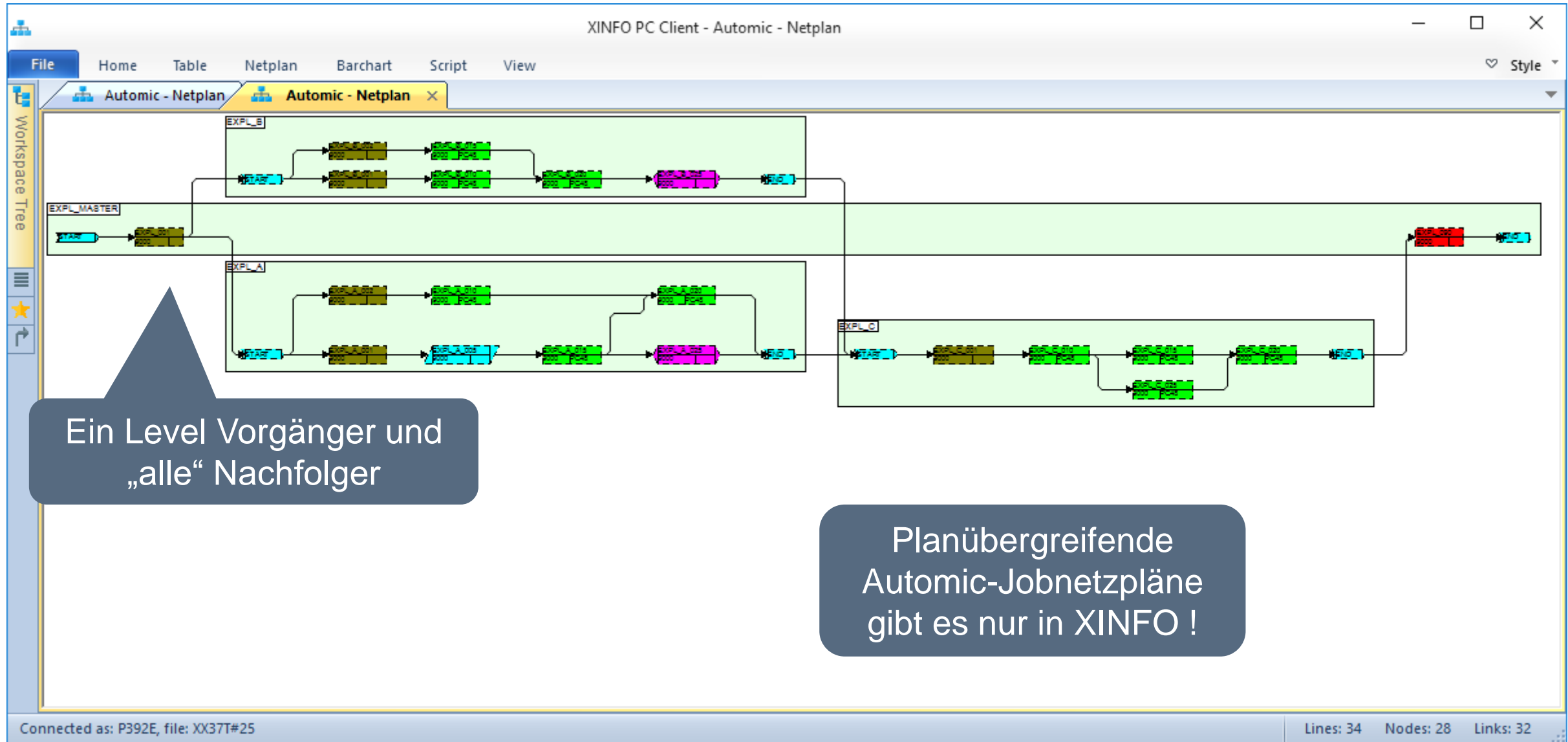
OK Cancel

„Rechte Maus“, Pred/Succ Netzplan

Connected as: P392E, file: XX37T#25

Lines: 34 Nodes: 28 Links: 32

# Automic – Job Netzplan





# XINFO – Daten Export

The screenshot shows the 'XINFO PC Client - Automic - Runtime Barchart' window. The 'File' menu is open, and the 'Export...' option is highlighted. An 'Export to a graphic file' dialog box is open, showing the file name 'C:\Users\nico.HORIZONT-IT\Desktop\barchart.png', width '4578', and height '13975'. A callout bubble points to the 'Export...' option with the text 'Mit „Export“ können XINFO-Daten exportiert werden'. The background shows a bar chart with a table of data for dates from 22.03.2016 to 29.03.2016.

22.03.2016	23.03.2016	24.03.2016	25.03.2016	26.03.2016	27.03.2016	28.03.2016	29.03.2016
12 18 00 06 12 18 00 06 12 18 00 06 12 18							

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

# XINFO – Daten Export

XINFO PC Client - Automic - Runtime Barchart

Export

Dieser PC > Bilder

Organisieren | Neuer Ordner

Schnellzugriff

OneDrive

Dieser PC

Netzwerk

Eigene Aufnahmen

Gespeicherte Bilder

Dateiname: Export.jpg

Dateityp: JPG - JPEG (\*.jpg)

- JPG - JPEG (\*.jpg)
- PNG - Portable Network Graphics (\*.png)
- BMP - Windows Bitmap (\*.bmp)
- TIF - TIFF (\*.tif)
- WMF - Windows Metafile (\*.wmf)
- EMF - Windows Enhanced Metafile (\*.emf)

Object

JOB0.MVSZSVIN_SVINDIFF
JOBP.OA5.BACKUP
JOBW.OA5.BACKUP_MYS
JOBW.OA5.BACKUP_MYS
JOBP.OA5.UPLOAD_RSYM
JOBW.OA5.UPLOAD_HOM
JOBW.RSYNC_HOMEPA
JOBP.SMF.DEV
JOBZ.SMF.CREATE.DUMP
JOBP.XINFO35.SPACE_ZO
JOBZ.DCOLLECT.DEV

12 18 00 06 12 18

03.2016 29.03.2016

Lines: 5000

Dateityp angeben:  
.Jpg, .png, .bmp, .tif, .wmf u.v.w.

# Automatic – Sync Usage

The screenshot shows the XINFO PC Client interface. The 'Automatic - Sync Usage' dialog box is open, displaying a list of configuration fields. The 'Sync Object' field is highlighted with a red box and contains the text '\*DWH\*'. A speech bubble points to this field with the text 'Welche Objekte nutzen SYNC-Objekte "DWH" ?'. The dialog box also includes fields for 'Automatic-System', 'Automatic-Client', 'Object Name', 'System Jobname', 'Start Action', 'End Action', 'Abend Action', and 'Else Y/N'. The 'Workspace Tree' on the left shows a hierarchy of objects, with 'Sync Usage' highlighted. The status bar at the bottom indicates 'Connected as: P392e, file: XX37T#25'.

Field	Value
Automatic-System	= [dropdown]
Automatic-Client	= [dropdown]
Sync Object	*DWH*
Object Name	= [dropdown]
System Jobname	= [dropdown]
Start Action	= [dropdown]
End Action	= [dropdown]
Abend Action	= [dropdown]
Else Y/N	= [dropdown]

# Automatic – Sync Usage

XINFO PC Client - Automatic - Sync Usage

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

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

Workspace Tree

Connected as: P392e, file: XX37T#25

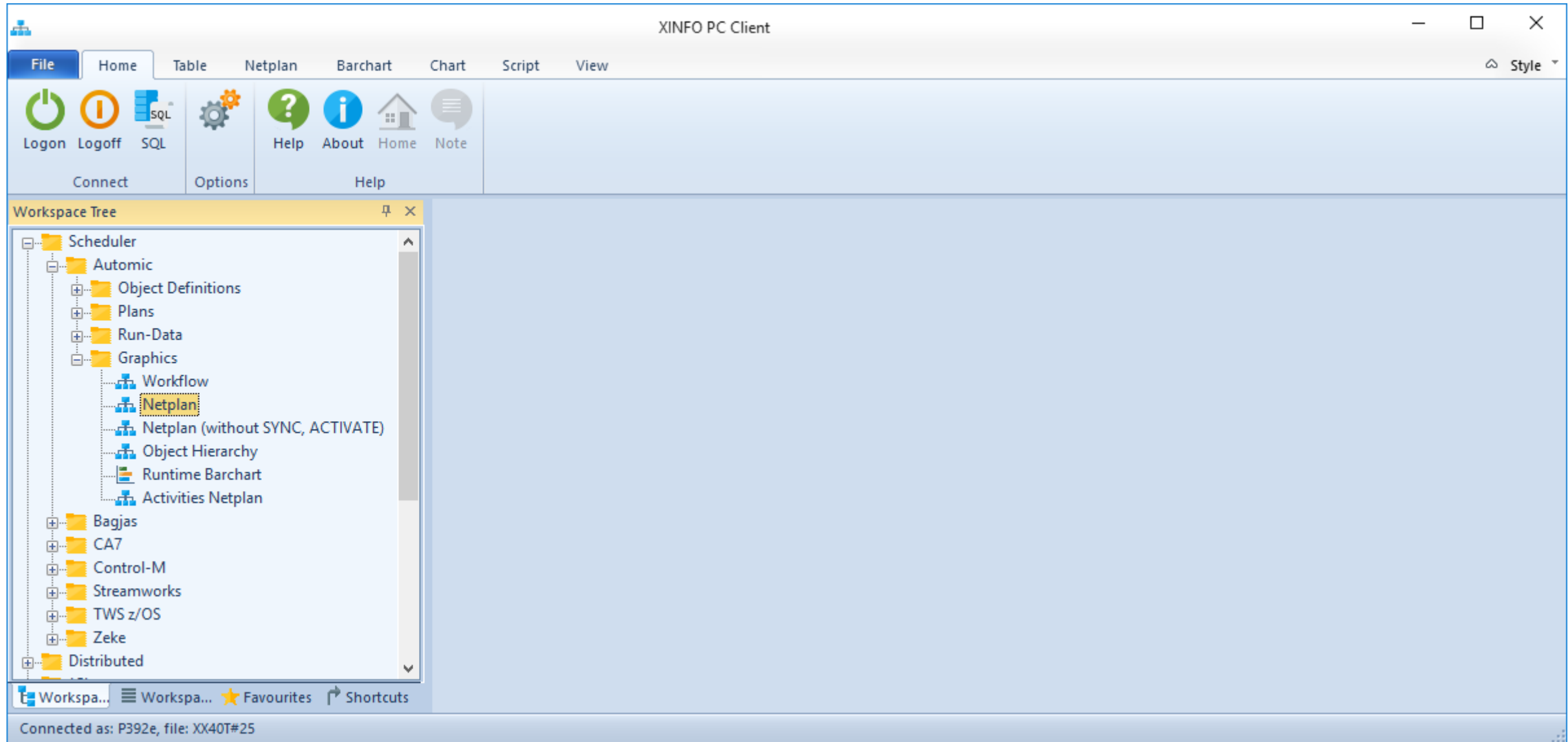
Lines: 4

These SYNCs

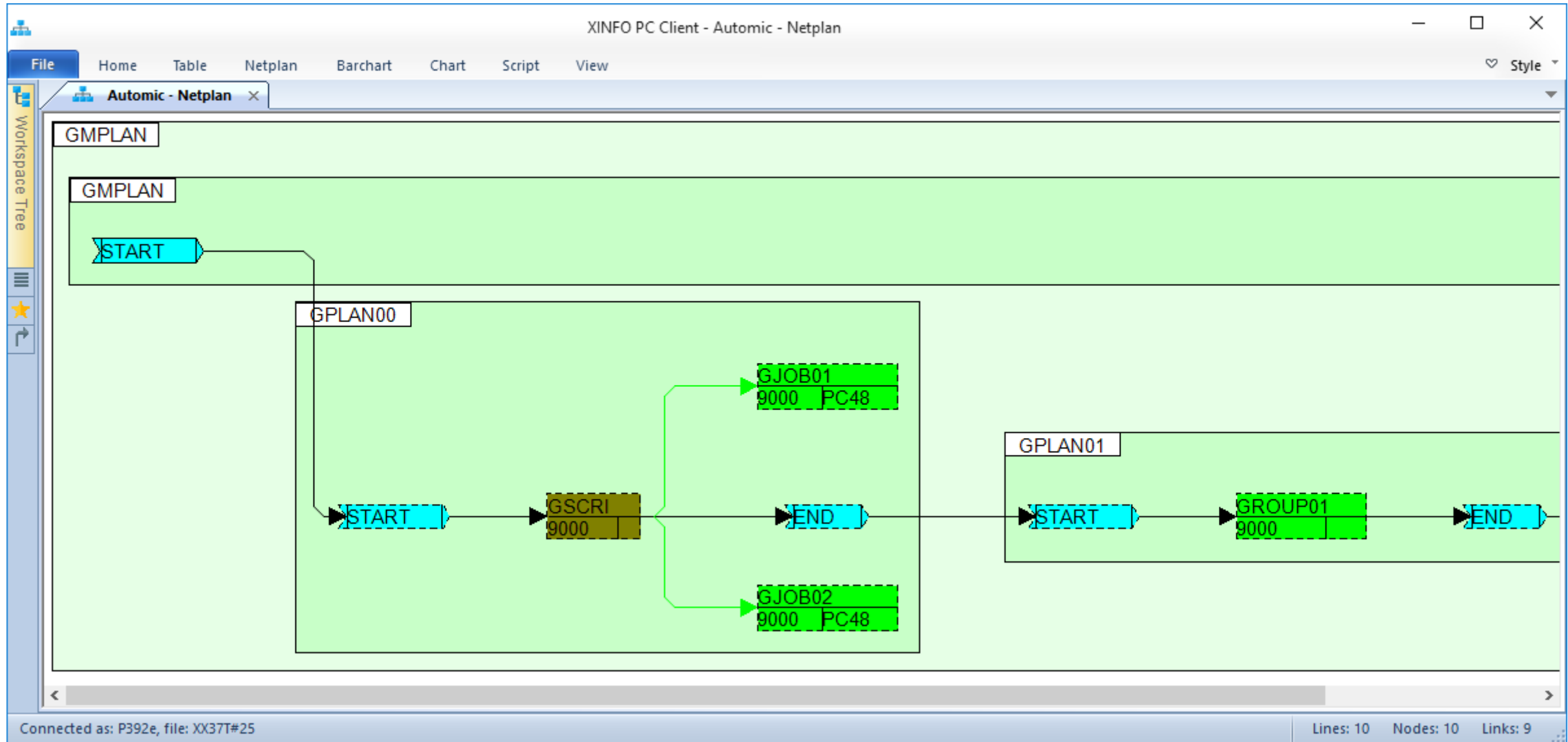
These Objekte

These Aktionen

# Automic – Darstellung ‚ACTIVATE\_UC\_OBJECT‘



# Automic – Darstellung ‚ACTIVATE\_UC\_OBJECT‘



# Automic – Darstellung ‚ACTIVATE\_UC\_OBJECT‘

The screenshot displays the XINFO PC Client interface. The main window shows a Netplan diagram with a green background. The diagram includes a 'START' node, a 'GPLAN00' node, a 'GJOB01 9000 FC48' node, a 'GSCRI 9000' node, and a 'GROUP01 9000' node. A context menu is open over the 'GSCRI 9000' node, listing various options such as 'Browse', 'Automic', 'BETA93', 'CA Deliver', 'DB2', 'GRAPH', 'IMS', 'JCL', 'Space', and 'SMF'. The 'Automic' option is highlighted. The status bar at the bottom indicates 'Connected as: P392e, file: XX37T#25' and 'Lines: 10 Nodes: 10 Links: 9'.

# Automic – Darstellung ‚ACTIVATE\_UC\_OBJECT‘

The screenshot displays the XINFO PC Client interface for Automic. The main window shows a Netplan diagram with a callout box labeled 'ACTIVATE\_UC\_OBJECT' pointing to a specific node in the 'GPLAN00' sub-plan. The diagram includes a 'GMPLAN' container with a 'START' node, a 'GPLAN00' sub-plan containing a 'GSCRI 9000' node, and two 'GJOB' nodes ('GJOB01 9000\_PC48' and 'GJOB02 9000\_PC48'). A 'GPLAN01' sub-plan contains a 'GROUP01 9000' node. The flow starts at 'START', goes to 'GSCRI 9000', then branches to 'GJOB01' and 'GJOB02', then to 'END', then to 'GPLAN01', and finally to 'END'.

An inset window titled 'Automic - Processing' shows a table of script lines:

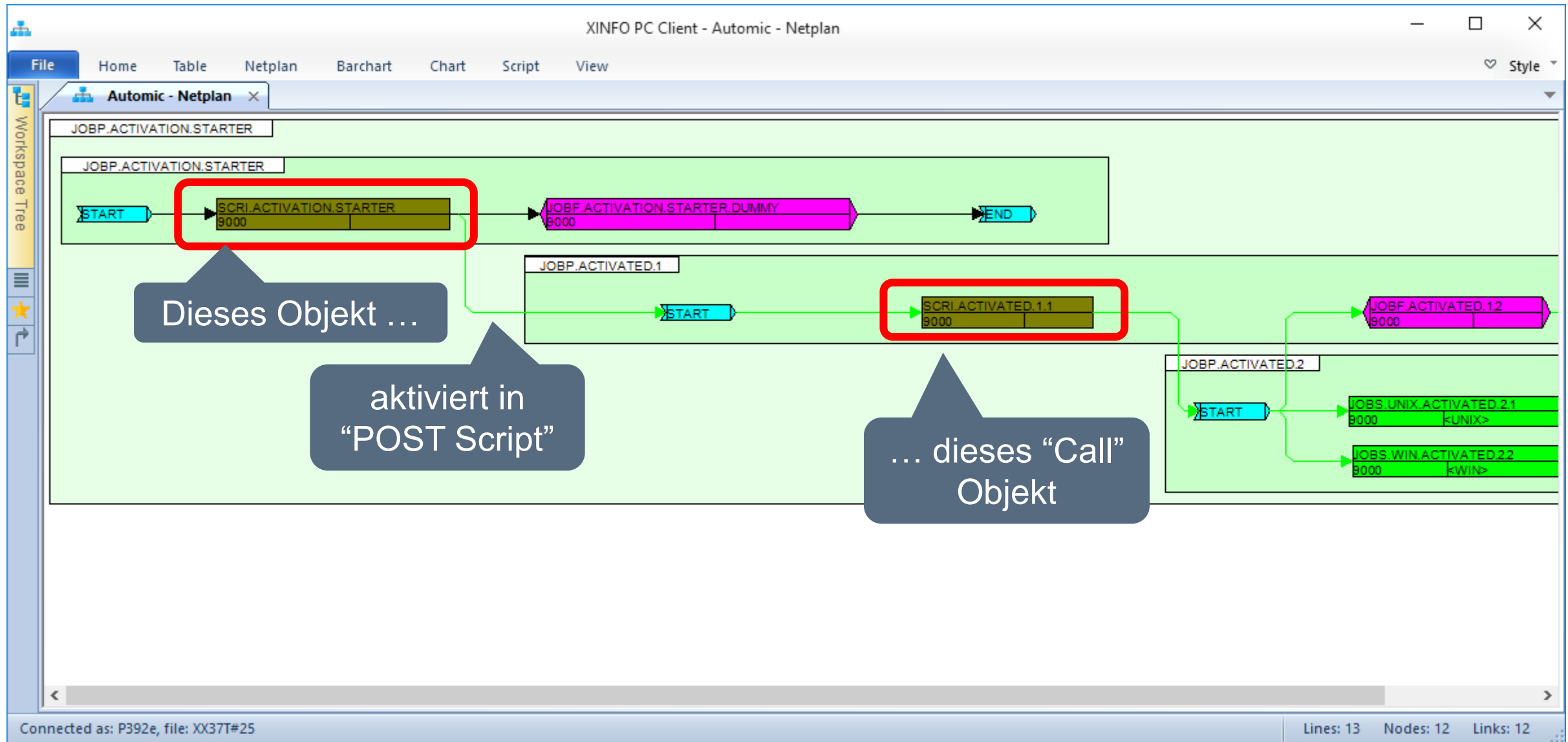
System	Clnt	Object Name	Obj-Type	Platform	Script Type	Line	Content
PROD	9000	GSCRI	SCRI		Script	1	:SET &ACTOBJ# = ACTIVATE_UC_OBJECT(JOBS, GJOB01)
PROD	9000	GSCRI	SCRI		Script	2	:SET &ACTOBJ# = ACTIVATE_UC_OBJECT(JOBS, GJOB02)
PROD	9000	GSCRI	SCRI		Script	3	
PROD	9000	GSCRI	SCRI		Script	4	

A red arrow points from the 'Content' column of the table to the 'ACTIVATE\_UC\_OBJECT' callout in the diagram.

Connected as: P392e, file: XX37T#25  
Lines: 10 Nodes: 10 Links: 9



# Automic – Darstellung ‚Post Script Activation‘



# Automatic – Darstellung ‚Post Script Activation‘

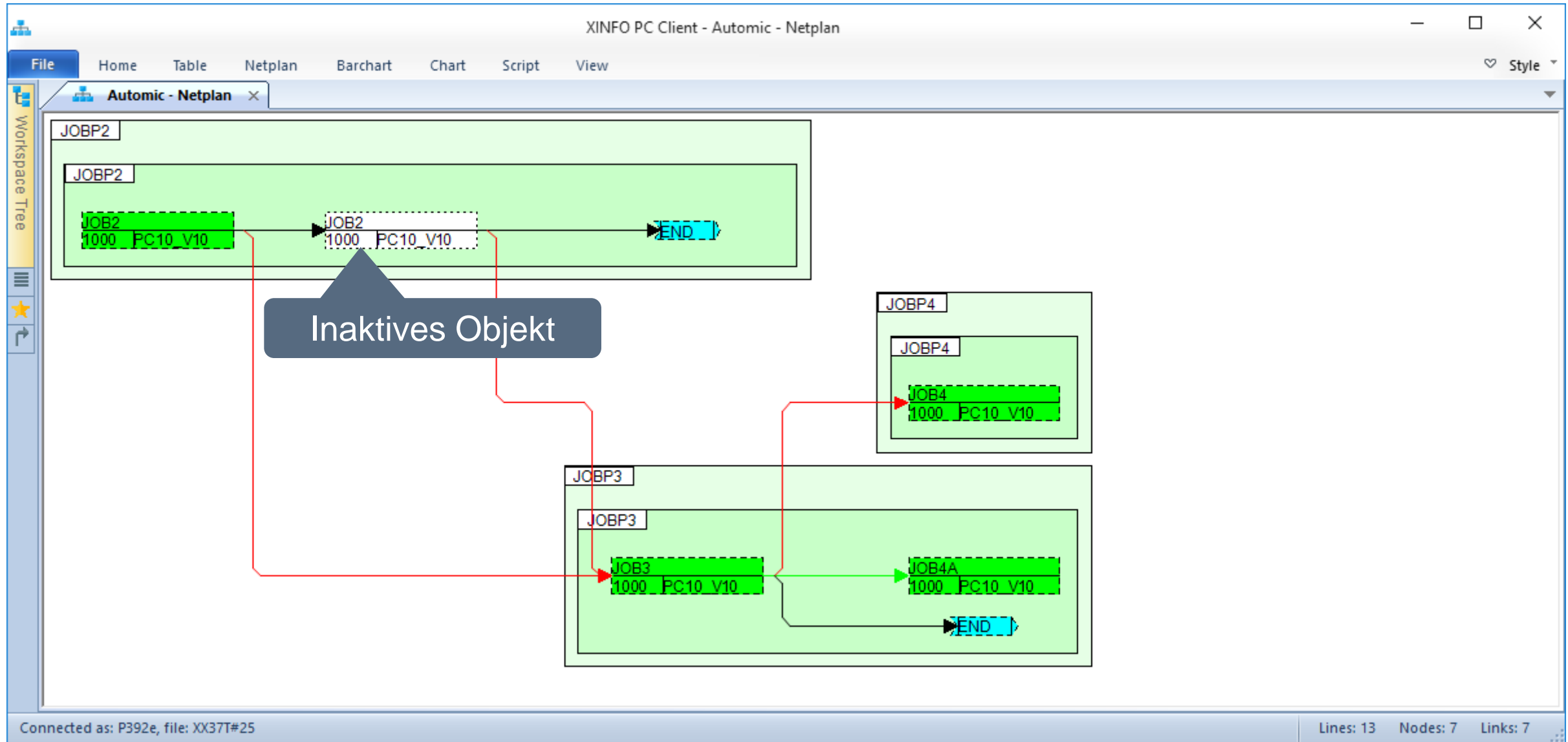
The screenshot displays the XINFO PC Client interface. The top window, 'Automatic - Netplan', shows a flowchart with two main job blocks. The first block, 'JOBP.ACTIVATION.STARTER', contains a 'START' node, a 'SCRI.ACTIVATION.STARTER 9000' node, a 'JOBP.ACTIVATION.STARTER.DUMMY 9000' node, and an 'END' node. The second block, 'JOBP.ACTIVATED.1', contains a 'START' node, a 'SCRI.ACTIVATED.1.1 9000' node, and a 'JOBP.ACTIVATED.1.2 9000' node. Arrows indicate the flow from the first block to the second.

The bottom window, 'Automatic - Processing', shows 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 'SCRI.ACTIVATION.STARTER'. A callout box points to this script with the text: 'Dieses Script startet einen neuen Job'.

# Automatic – Darstellung von inaktiven Objekten



# Automatic – Suche nach inaktiven Objekten

The screenshot shows the 'Automatic - Netplan' dialog box. The 'Workspace Tree' on the left lists various folders, with 'Netplan' highlighted. The dialog box contains several fields for configuration, including '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', 'Is Deleted Y/N', 'Top Plan Level Y/N', 'Est.Run Time (Sec)', 'Predecessor level', and 'Successor level'. The 'Is Active Y/N' field is highlighted with a red box, and a callout bubble points to it with the text: 'Dieses Kennzeichen existiert in XINFO nur in Grafik-Displays, z.B. Netzplan'. The 'Is Active Y/N' field is set to 'N'. The 'Predecessor level' and 'Successor level' fields are set to '0'. The 'OK', 'Actions', and 'Cancel' buttons are visible at the bottom of the dialog box.

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.Run Time (Sec)	= [ ]
Predecessor level	[ ] 0
Successor level	[ ] 0

# Automatic – Suche nach inaktiven Objekten

The screenshot shows the 'XINFO PC Client - Automatic - Netplan' application window. The 'Netplan' menu is active, and the 'Table' option is highlighted with a yellow box. A blue callout bubble points to this menu item, containing the text: 'Über Menü – Netzplan – Tabelle gibt es auch eine Tabellenansicht (siehe nächste Folie)'. The main workspace displays a network plan with several job objects, including 'JOBP.MVS2SVN', 'JOBP.XINFO35.CTM', and 'JSCH.PROCK.PROMA'. A blue callout bubble points to a group of objects, containing the text: 'Alle inaktiven Objekte'. The status bar at the bottom indicates 'Connected as: P392e, file: XX37T#25' and 'Lines: 176 Nodes: 166 Links: 45'.

# Automic – Suche nach inaktiven Objekten

... und in welchen Plan sie nicht aktiv sind.

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	0000003583	0000003583	0010	JOBP.XINFO35.CTM	JOBS	JOBU.XINFO35.XXRCCTM_UNLOAD1			85
		PROD	0000003589	0000003594	0010	JOBP.XINFO35.CTM	EVNT	EVNT.XINFO35.XXRCCTM_UNLOAD_CHECK2			2767
		PROD	0000003589	0000003595	0010	JOBP.XINFO35.CTM	EVNT	EVNT.XINFO35.XXRCCTM_UNLOAD_CHECK3			5687
		PROD	0000003593	0000003597	0010	JOBP.XINFO35.CTM	JOBS	JOBU.XINFO35.XXRCCTM_UNLOAD1_FTP			12
		PROD	0000003594	0000003598	0010	JOBP.XINFO35.CTM	JOBS	JOBW.XINFO35.XXRCCTM_UNLOAD_CHECK2			1
		PROD	0000003595	0000003599	0010	JOBP.XINFO35.CTM	JOBS	JOBW.XINFO35.XXRCCTM_UNLOAD_CHECK3			1
		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

Alle inaktiven Objekte ...

Connected as: P392e, file: XX37T#25

Lines: 176

# Automatic – Gelöschte Objekte

The screenshot shows the 'Automatic - Netplan' dialog box. The 'Is Deleted Y/N' field is highlighted with a red box, and a callout bubble points to it with the text 'Alle gelöschten Objekten'. The dialog box contains various fields for configuration, including dropdown menus and text input fields.

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	=
<b>Is Deleted Y/N</b>	<b>Y</b>
Top Plan Level Y/N	=
Est.Run Time (Sec)	=
Predecessor level	0
Successor level	0

# Automic – Gelöschte Objekte

The screenshot shows the XINFO PC Client interface for Automic - Netplan. The toolbar includes a 'Table' button, which is highlighted by a callout box stating: "Mit einem Klick auf „Table“ erhalten Sie die Tabellenansicht". The main workspace displays a network plan with two sections: "<STAND-ALONE>" and "ADAGPO\_P\_MASTER\_TAG\_ABS\_BETRIEBSTAG". In both sections, several objects are highlighted with red dashed borders, indicating they are deleted. A second callout box points to these red dashed boxes with the text: "Alle gelöschten Objekten". The status bar at the bottom shows "Connected as: P392e, file: XX37T#25" and "Lines: 102 Nodes: 83 Links: 88".



# Automic – Gelöschte Objekte

XINFO PC Client - Automic - Netplan

File Home Table Netplan Barchart Chart Script View Style

Automic - Netplan:1 Automic - Netplan:2

Client	Environm	System	PredKey	SuccKey	Clnt	JobPlan	Obj-Type	Object	System Jobname	Link Typ
<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_ODB000W_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

# Kritischer Pfad im Automic Jobnetzplan

The screenshot displays the XINFO PC Client - Automic - Netplan interface. The main window shows a job network plan with several sub-nodes: EXPL\_MASTER, EXPL\_B, EXPL\_A, and EXPL\_C. The critical path is highlighted in red, starting from the START node of EXPL\_C, passing through its task nodes, and ending at the END node of EXPL\_C. The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Script, View), a toolbar with various editing and viewing options (Copy, Select All, Toggle Selection, Fit All, Fit Selected, Smaller, Bigger, 100%, Left to Right, Top to Bottom, Subnet, Table, Search, Show SQL), and a workspace tree on the left. A context menu is open over the critical path, listing various job types and options, with 'Critical Path' selected at the bottom. The status bar at the bottom indicates 'Connected as: P392E, file: XX37T#25' and 'Lines: 34 Nodes: 28 Links: 32'.

Connected as: P392E, file: XX37T#25

Lines: 34 Nodes: 28 Links: 32

# Kritischer Pfad im Automic Jobnetzplan

The screenshot displays the XINFO PC Client interface for Automic Netplan. The main workspace shows a network plan with three main sections: EXPL\_MASTER, EXPL\_B, and EXPL\_A. The critical path is highlighted in red, starting from the 'START' node in EXPL\_MASTER, moving through EXPL\_B, and then through EXPL\_A to EXPL\_C. A search result window on the right shows the critical path details, with the search result 'Search Result: Critical Path (0:15:07)' highlighted in red.

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

Dabei wird auf Basis der jeweiligen „ERT“  
der längste Weg durch das Jobnetz  
ermittelt und die Gesamtzeit errechnet.

Connected as: P392E, file: XX37T#25

Lines: 34 Nodes: 28 Links: 32

# XINFO – Analysiert Automic Scriptbefehle

- XINFO analysiert Scriptbefehle (auch 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 Interface (BIF) erlaubt Ihnen Displays zu öffnen und Zeilenkommandos von einem Script laufen zu lassen, um Reports zu erstellen. Die Scriptsprache stellt Befehle bereit um HTML-Dateien und ebenfalls Bilder von Netzplänen und Barcharts zu erstellen.
- Scripts können im integrierten Editor entwickelt werden, wo sie auch ausgeführt werden können. Die Scripte können außerdem mit einem Zeilenkommando gestartet werden.

# 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
/*****/
SELECT ON FILE='C:\PROGRAMME\XINFO\Selection_UC4.TXT'
CREATE_JPG_FILE='C:\TEMP\GRAFIK_1.JPG'
/*****/
EXIT /* Exit XINFO */
```

Logon-Daten  
verschlüsselt

Eine  
gespeicherte  
Abfrage

Ausgabe-Datei  
und Format

# XINFO – Batch Interface

The screenshot displays the XINFO PC Client interface for the Automic.BIF file. The window title is "XINFO PC Client - Automic.BIF". The menu bar includes File, Home, Table, Netplan, Barchart, Script, and View. The ribbon contains several groups: Clipboard (Paste, Cut, Copy, Select All), Editing (Undo, Redo, Find, Replace, Unmark), Variable Set (a dropdown menu showing "<Not selected>"), and Run (Check, Run). The Workspace Tree on the left shows a hierarchical structure with folders like Scheduler, Automic, Object Definitions, Plans, Run-Data, Graphics, and various sub-folders under Graphics. The main editor area shows the following BIF script:

```
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 wie ARRANGE, IF, SCAN und GOTO sind verfügbar. Damit und mit den XINFO-Linecommands können Sie komplexe Reports und Dokumentationen erstellen.

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





**Vielen Dank für Ihre Aufmerksamkeit! Haben sie Fragen, Anregungen oder Wünsche?**



**HORIZONT**

**Besuchen Sie uns in München oder senden Sie uns bitte eine E-Mail  
an [info@horizont-it.com](mailto:info@horizont-it.com)**