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

HORIZONT Classification: Restricted

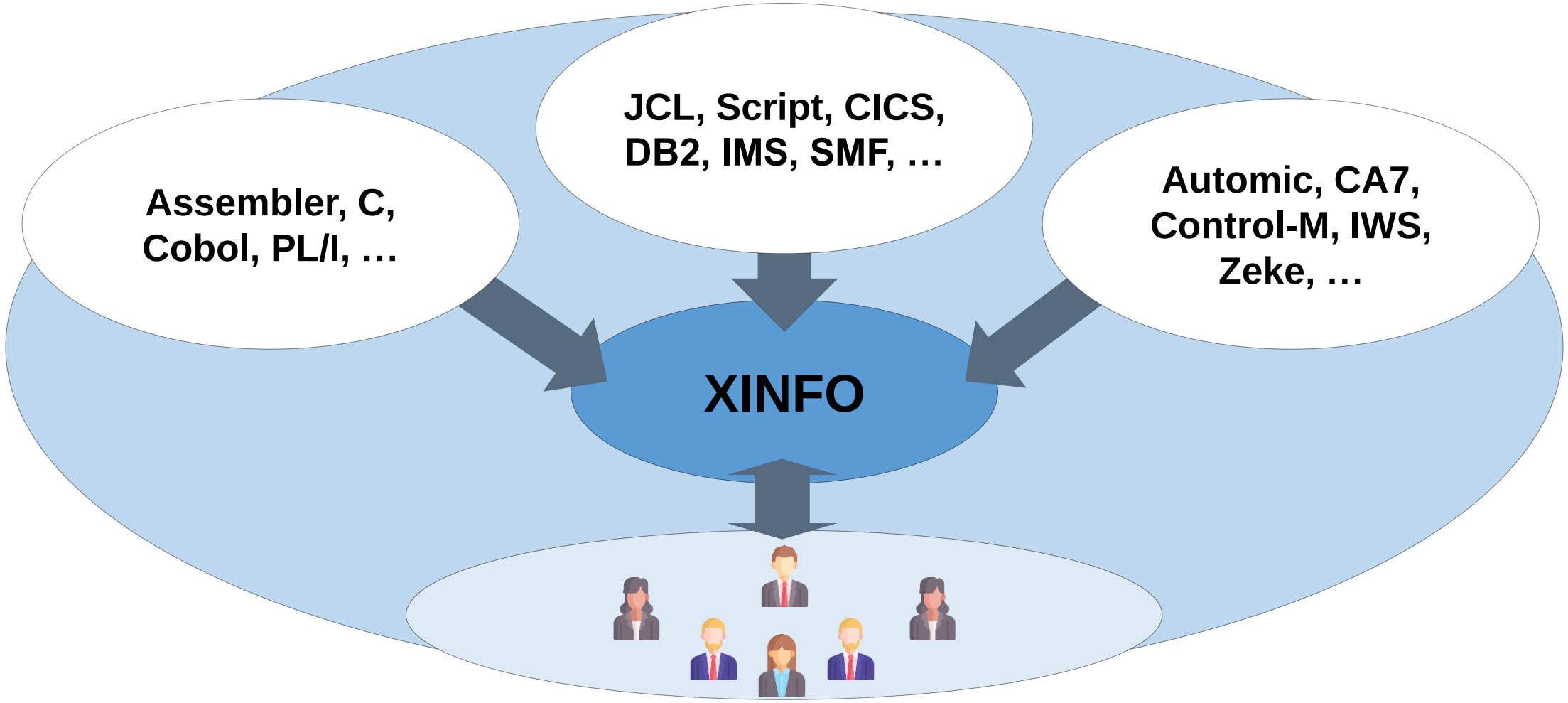
AGENDA

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:



HORIZONT
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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

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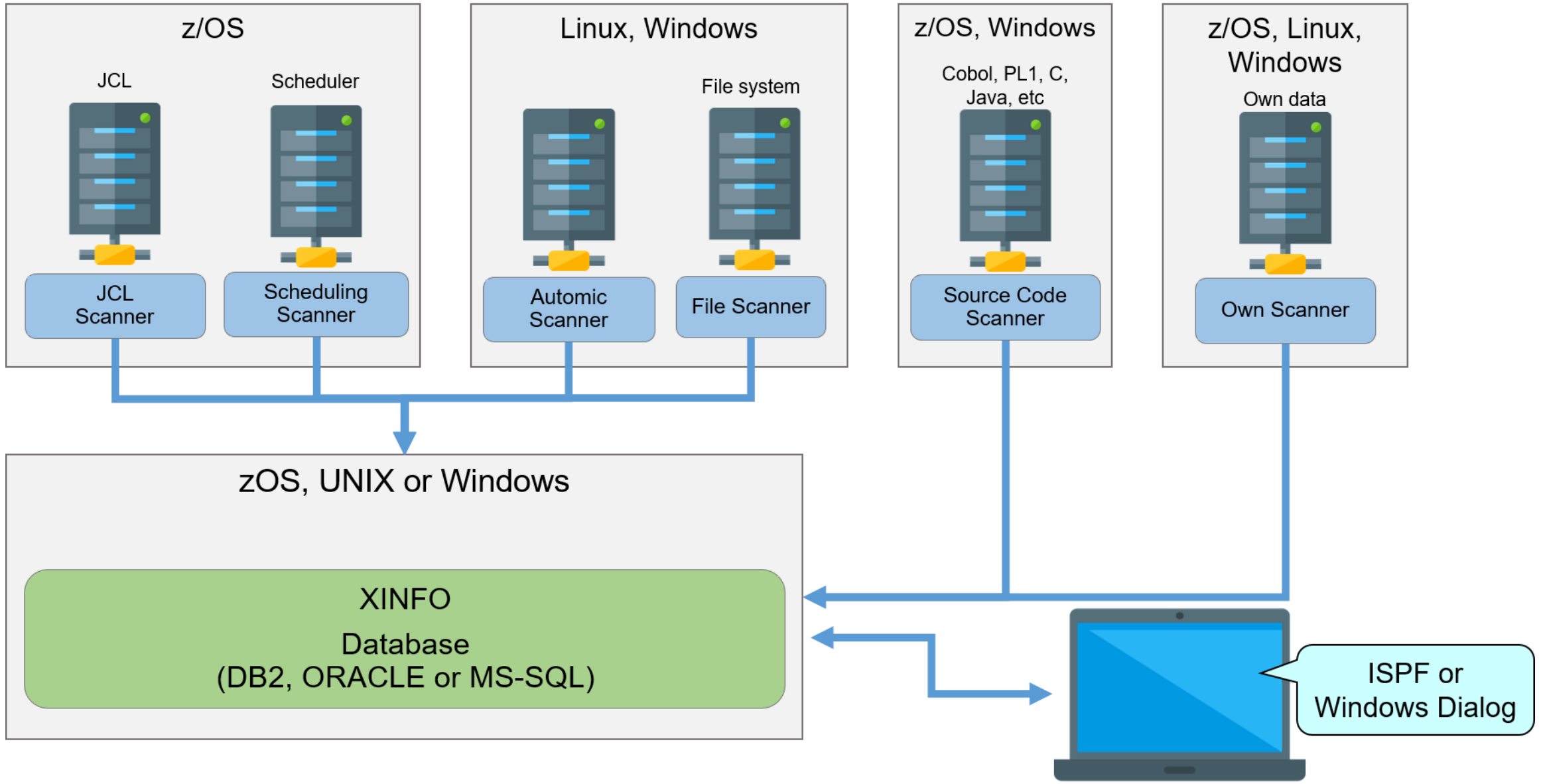
Technical Overview



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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?

Classification: Restricted

Who needs XINFO?

Everyone, who is involved in batch production, especially:

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

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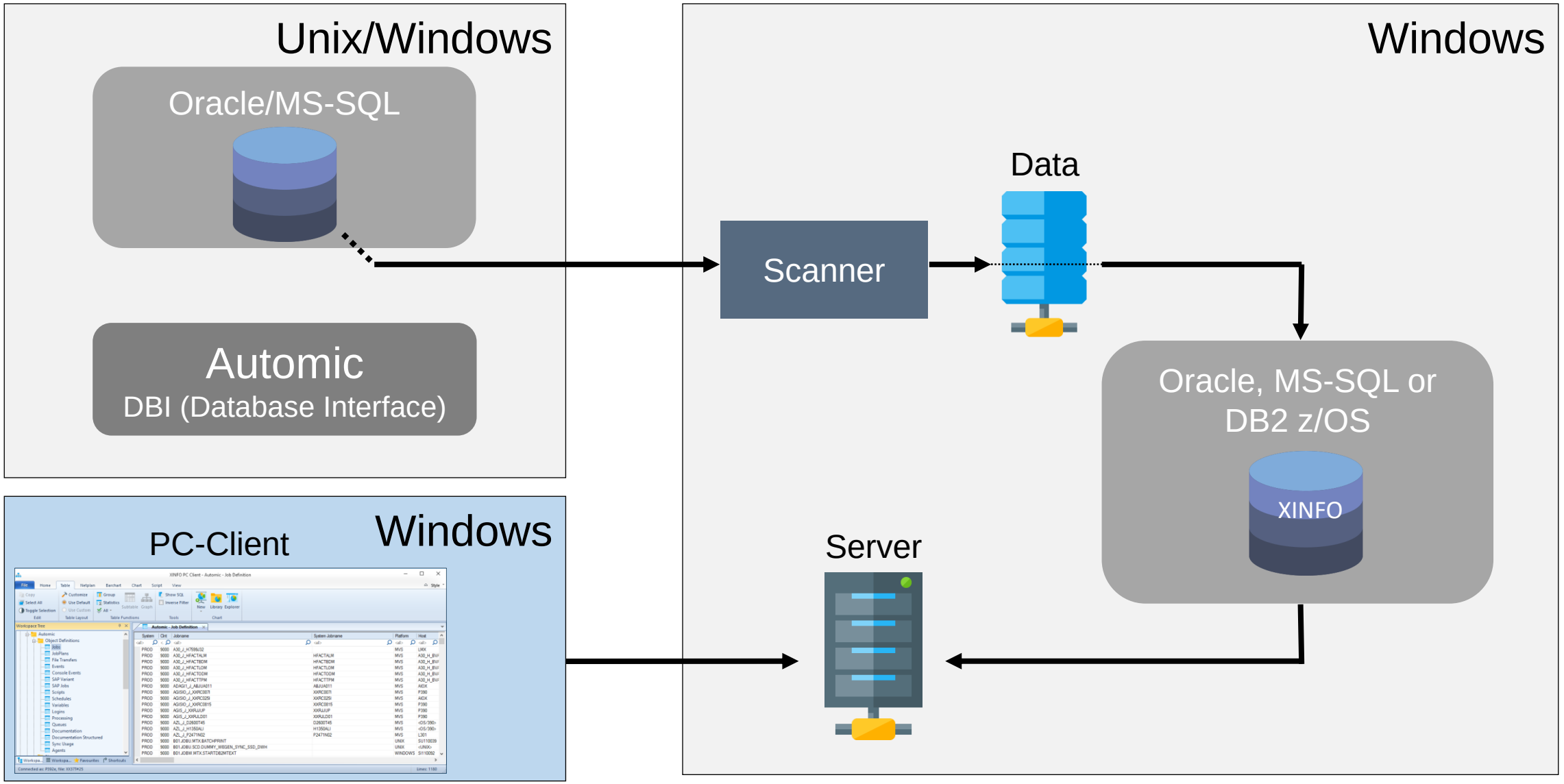
XINFO Automic Architecture



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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

Classification: Restricted

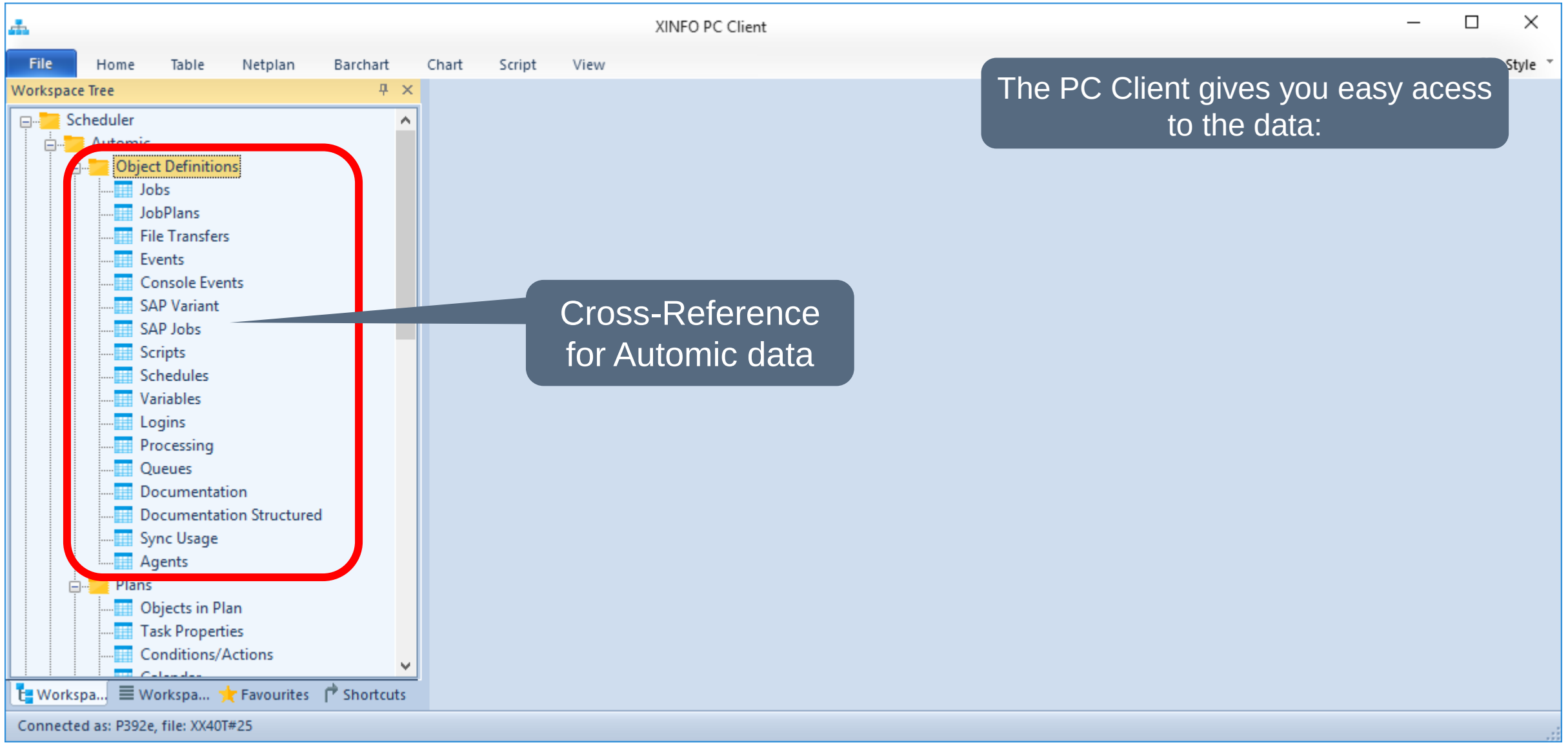
XINFO and Automic

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

Classification: Restricted

Automic – Selection



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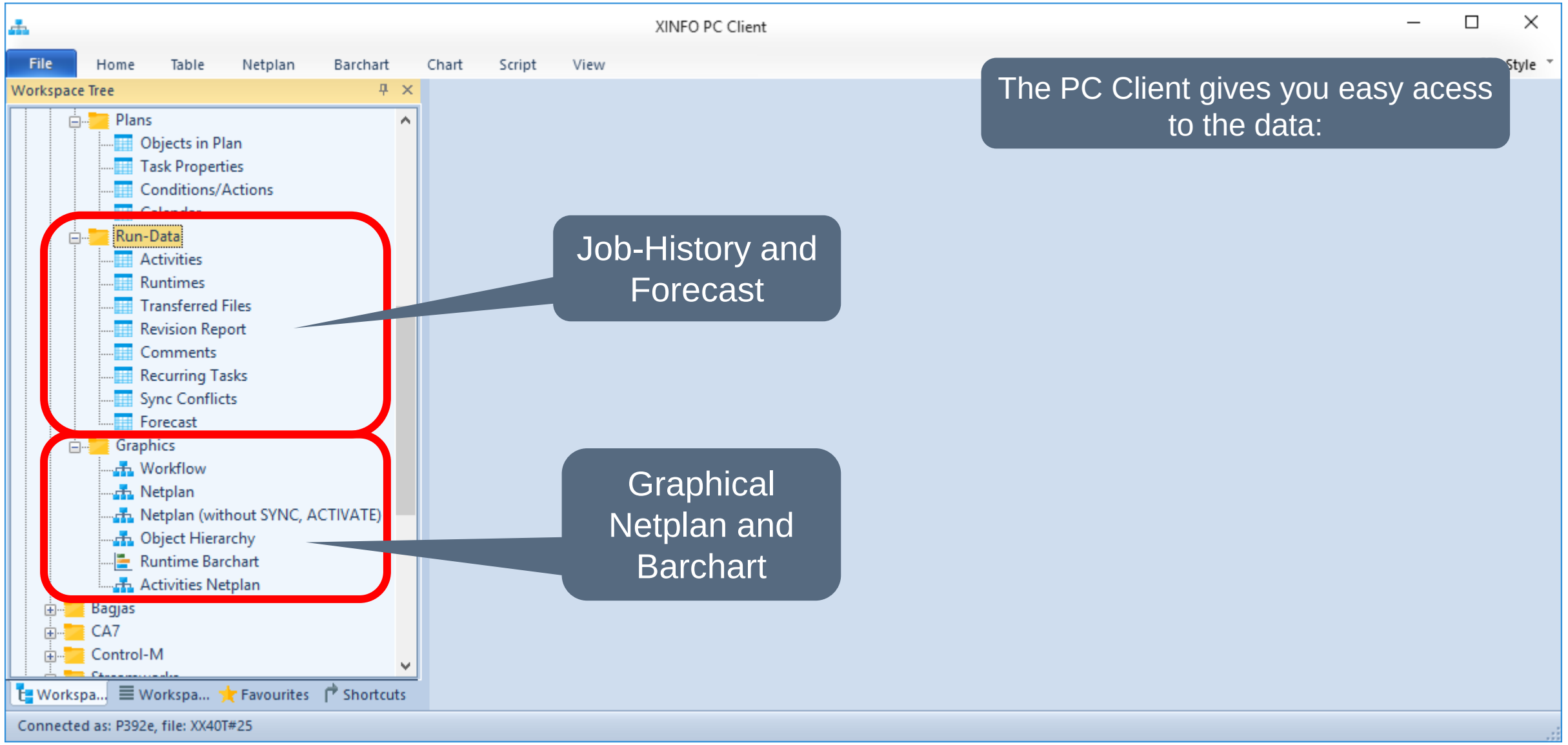
Classification: Restricted

Automic – Selection



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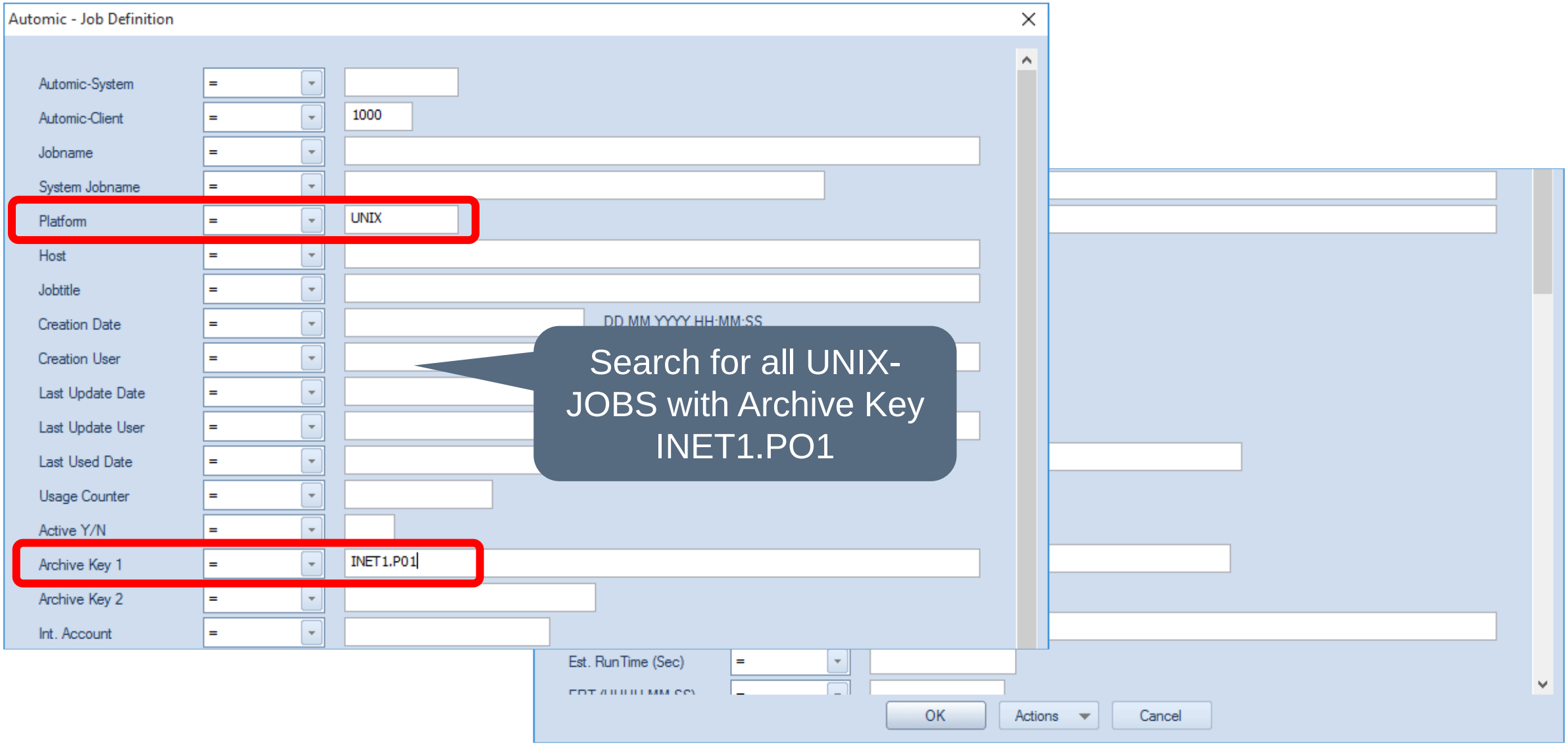
Automic – Job Definitions



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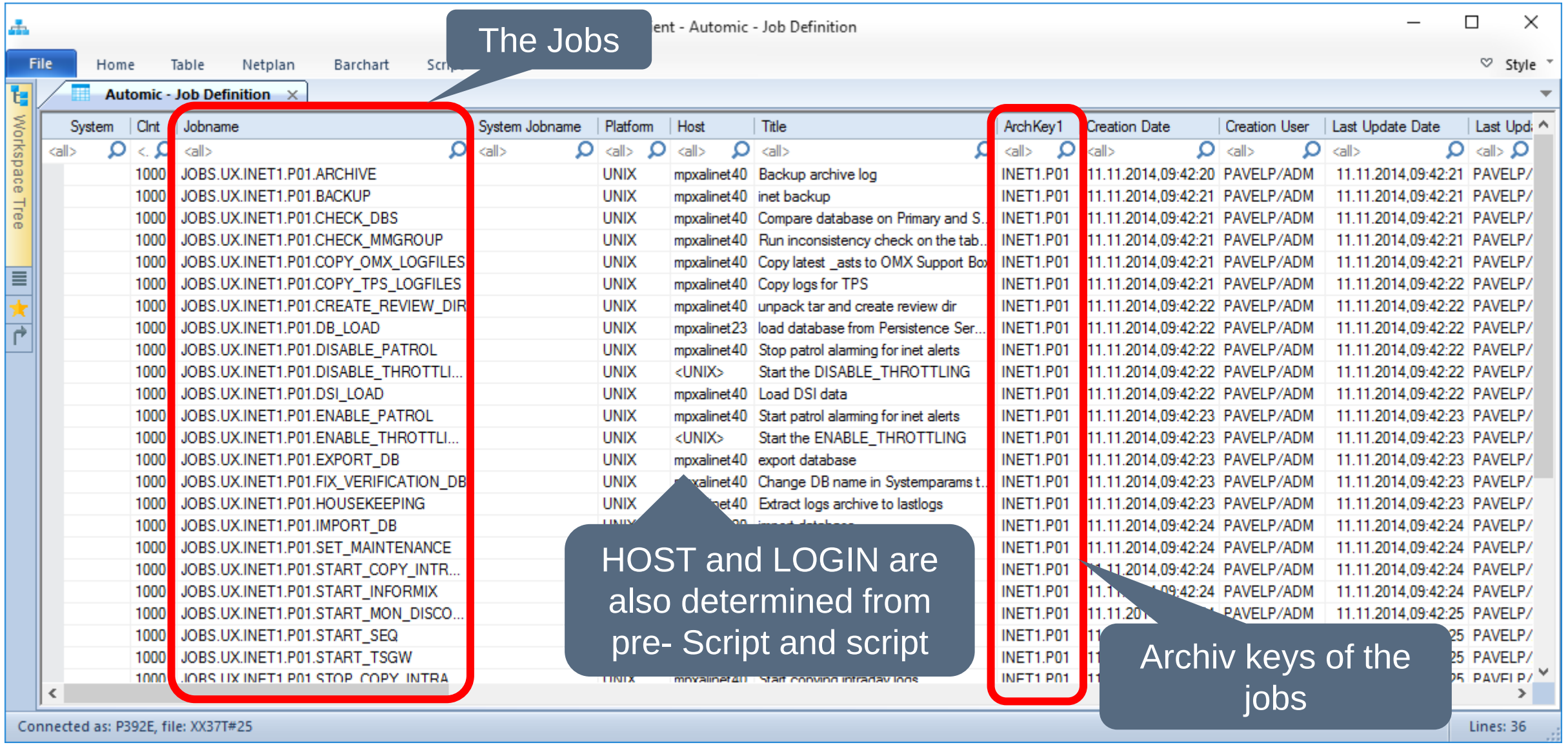
Automic – Job Definitions



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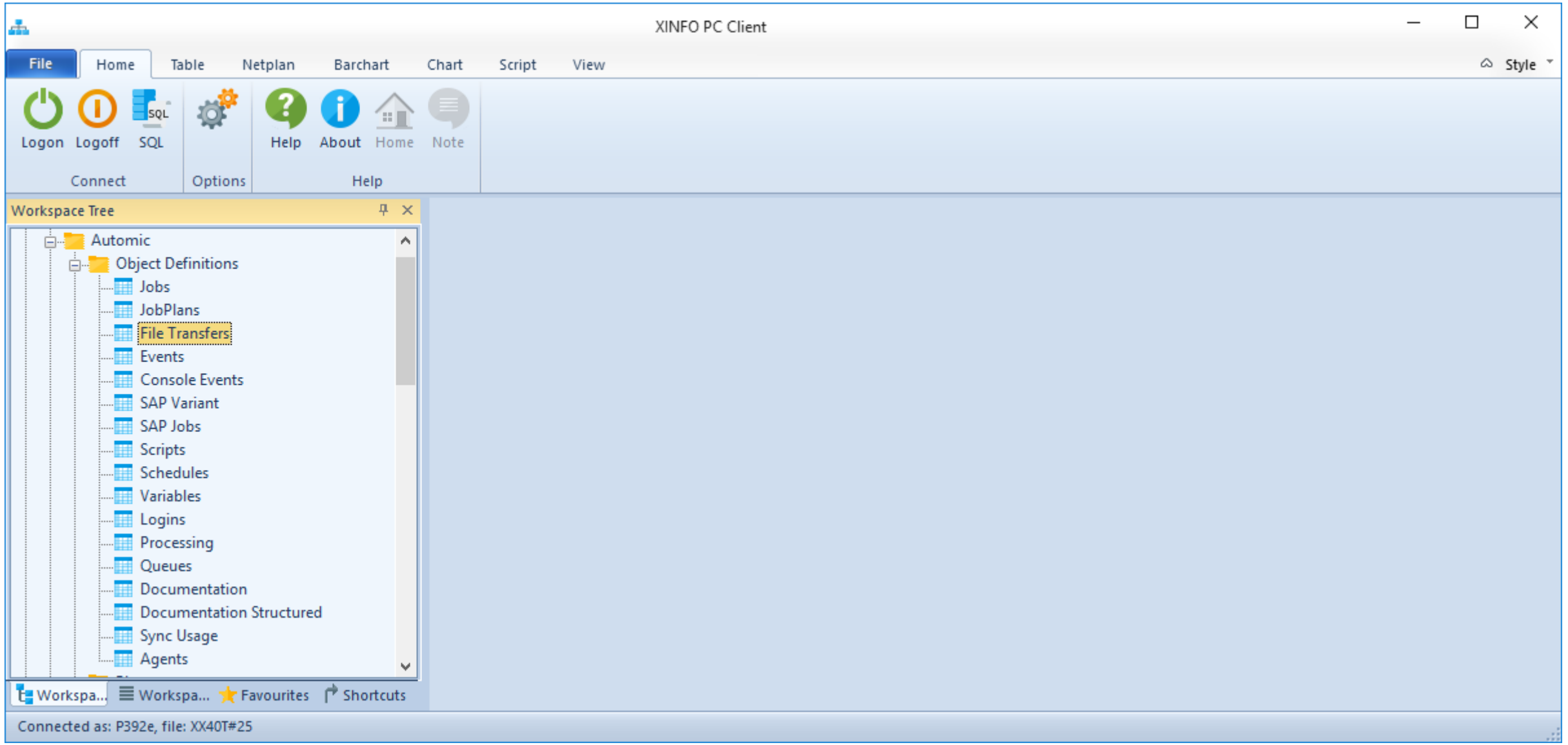
Automic – File Transfers



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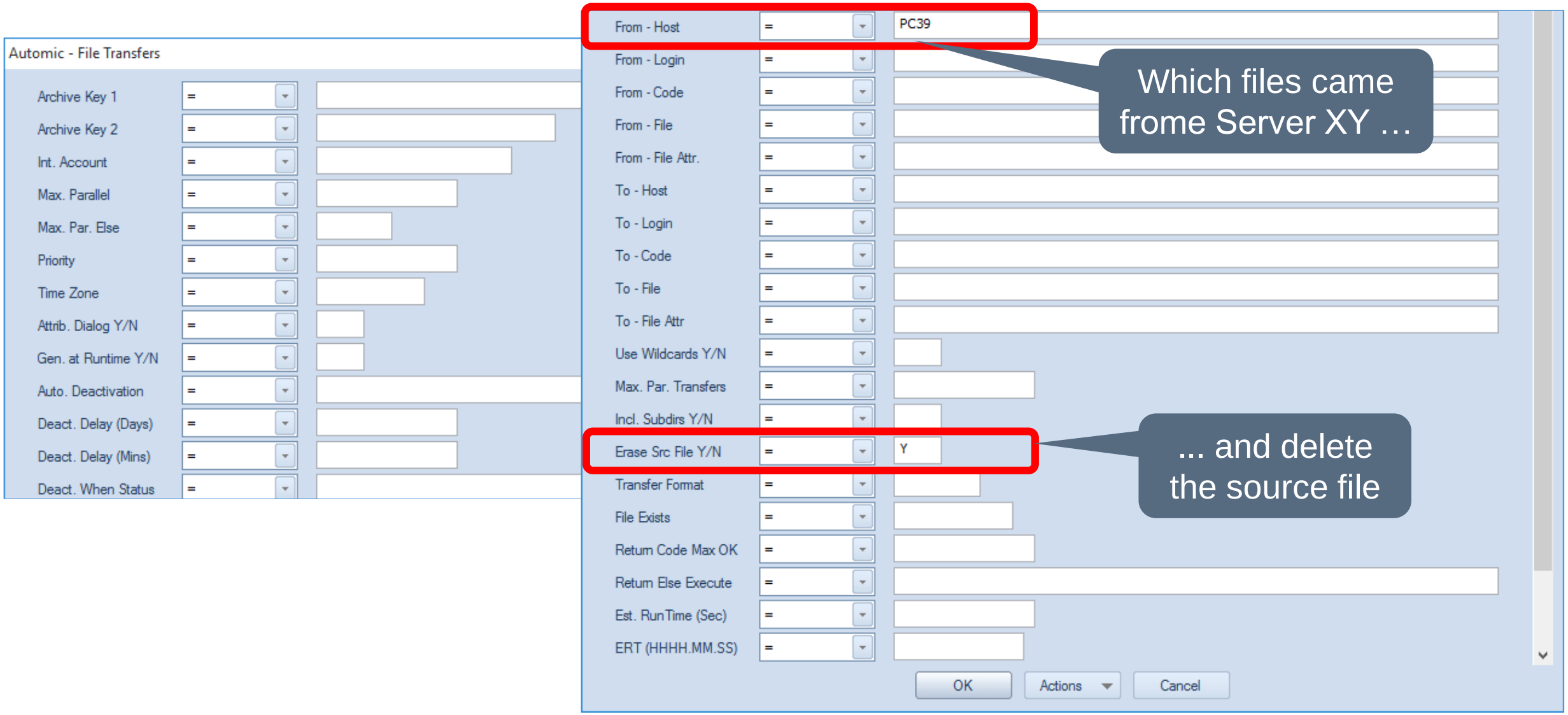
Automic – File Transfers



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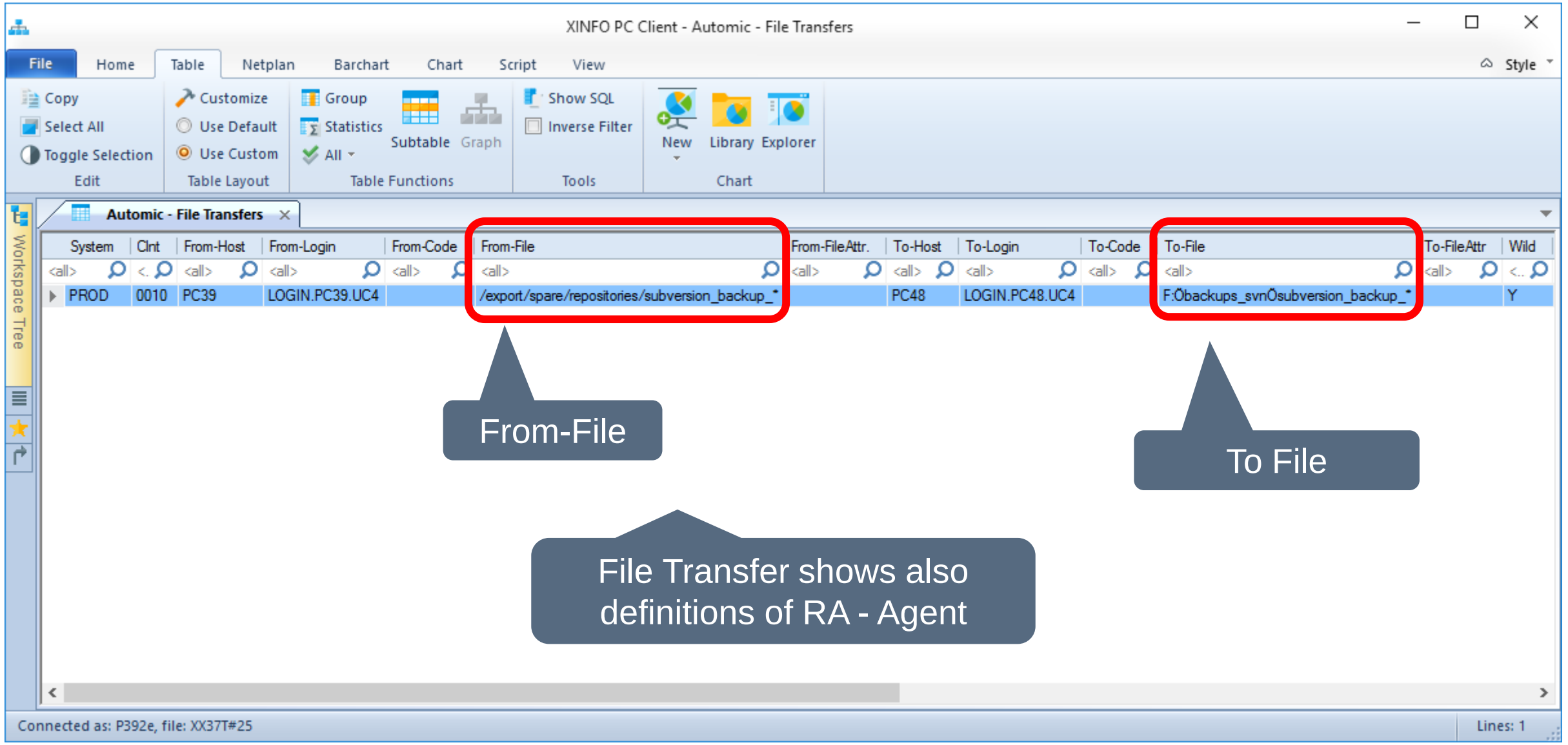
Automic – File Transfers



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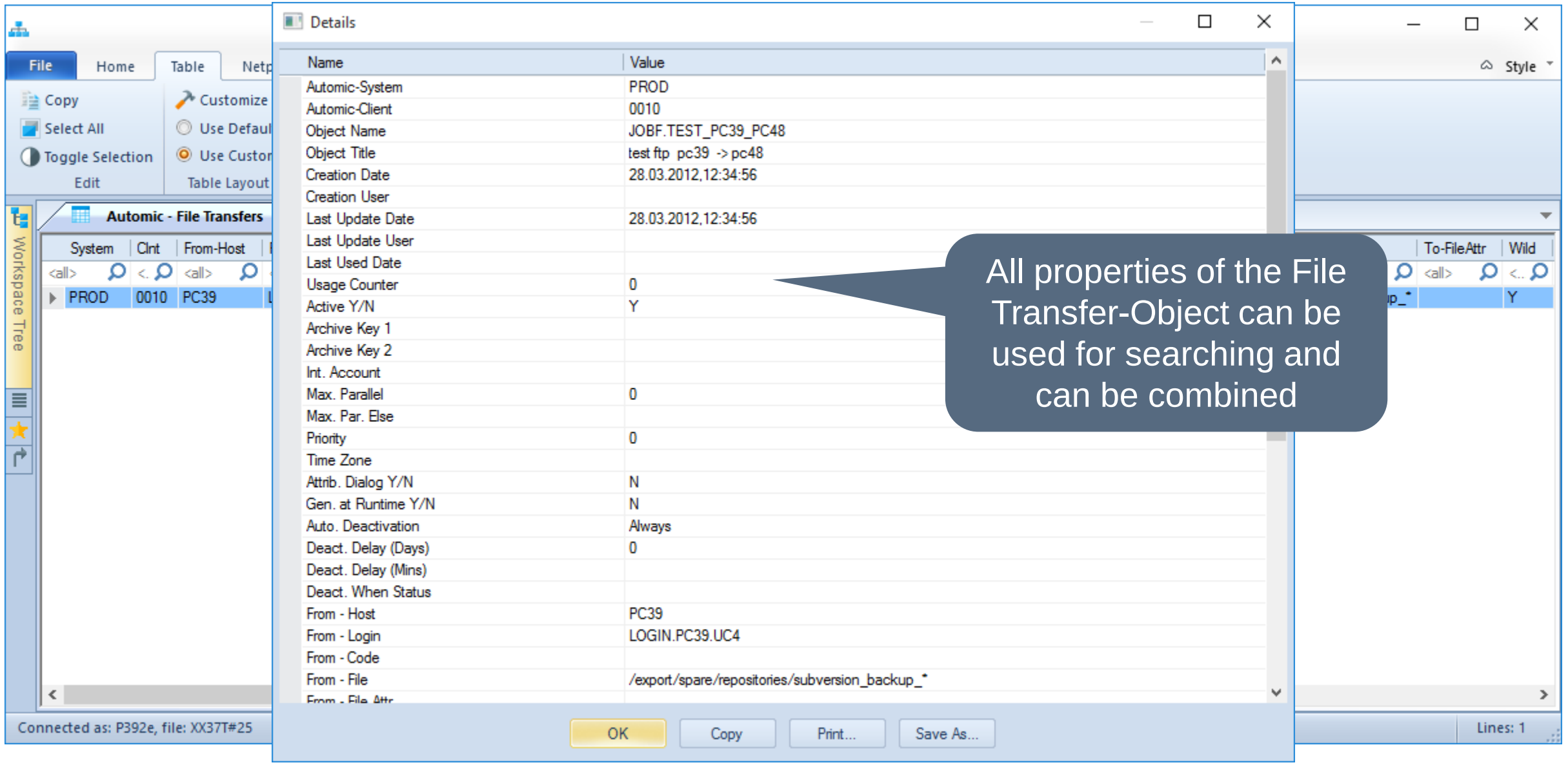
Automic – File Transfers



HORIZONT
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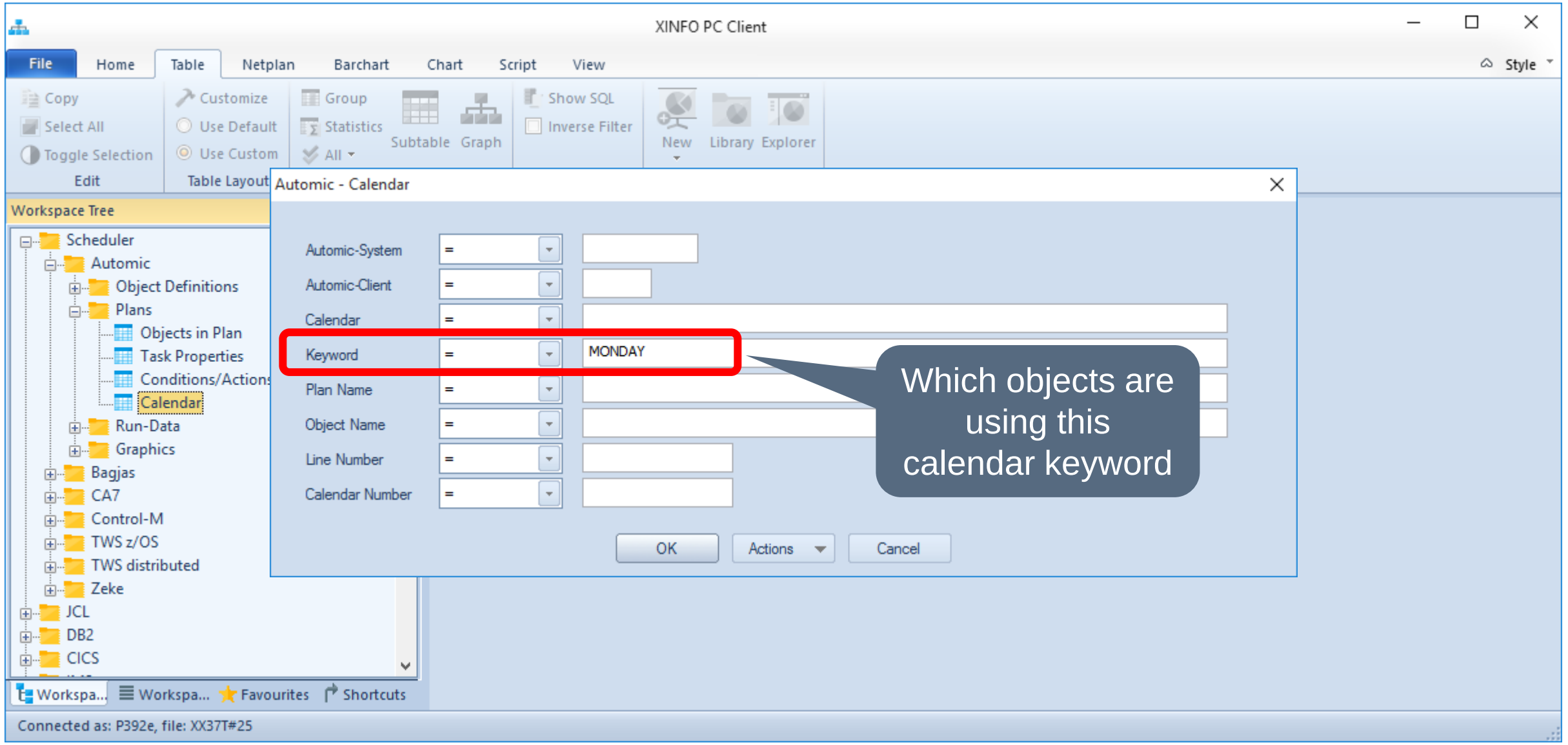
Automic – Calendar



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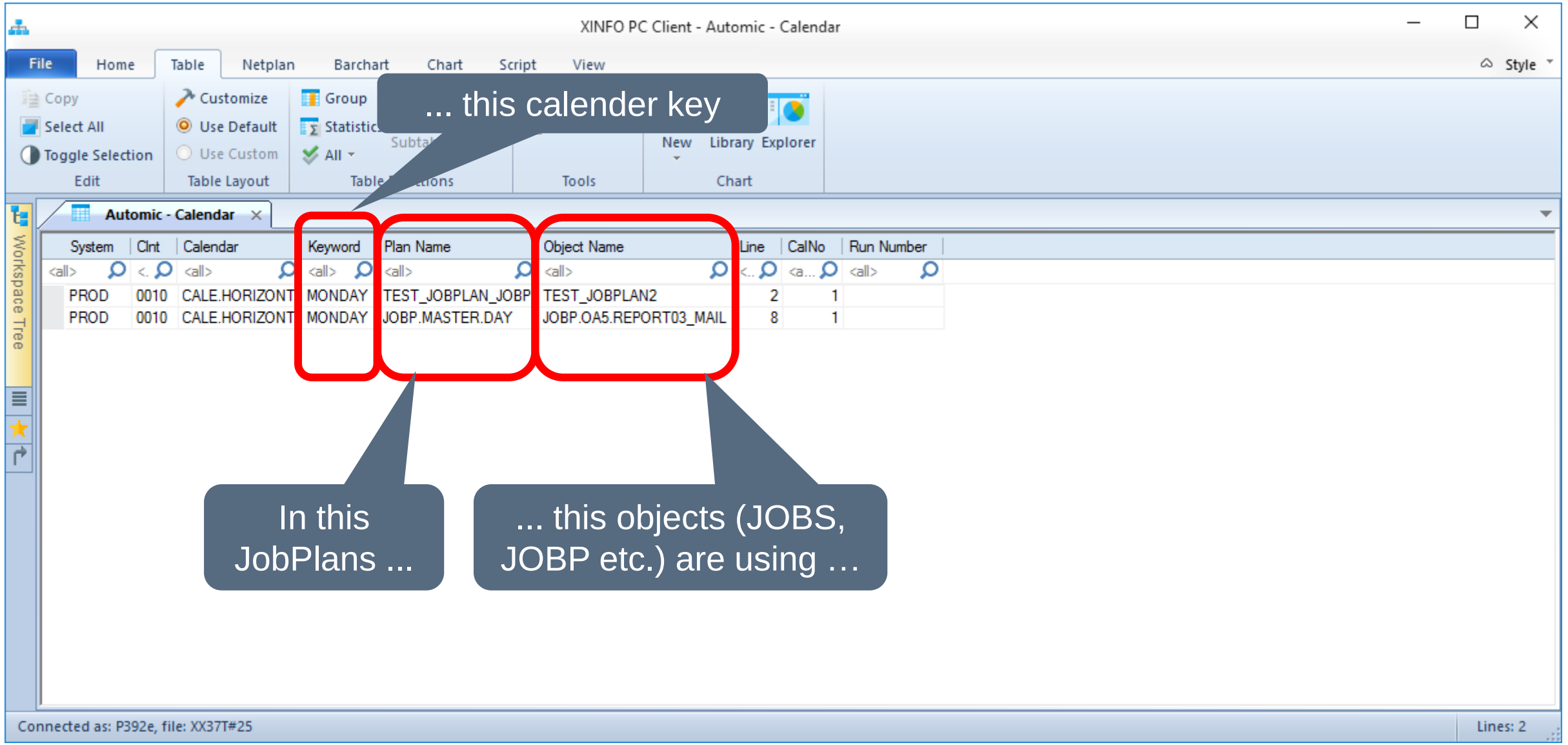
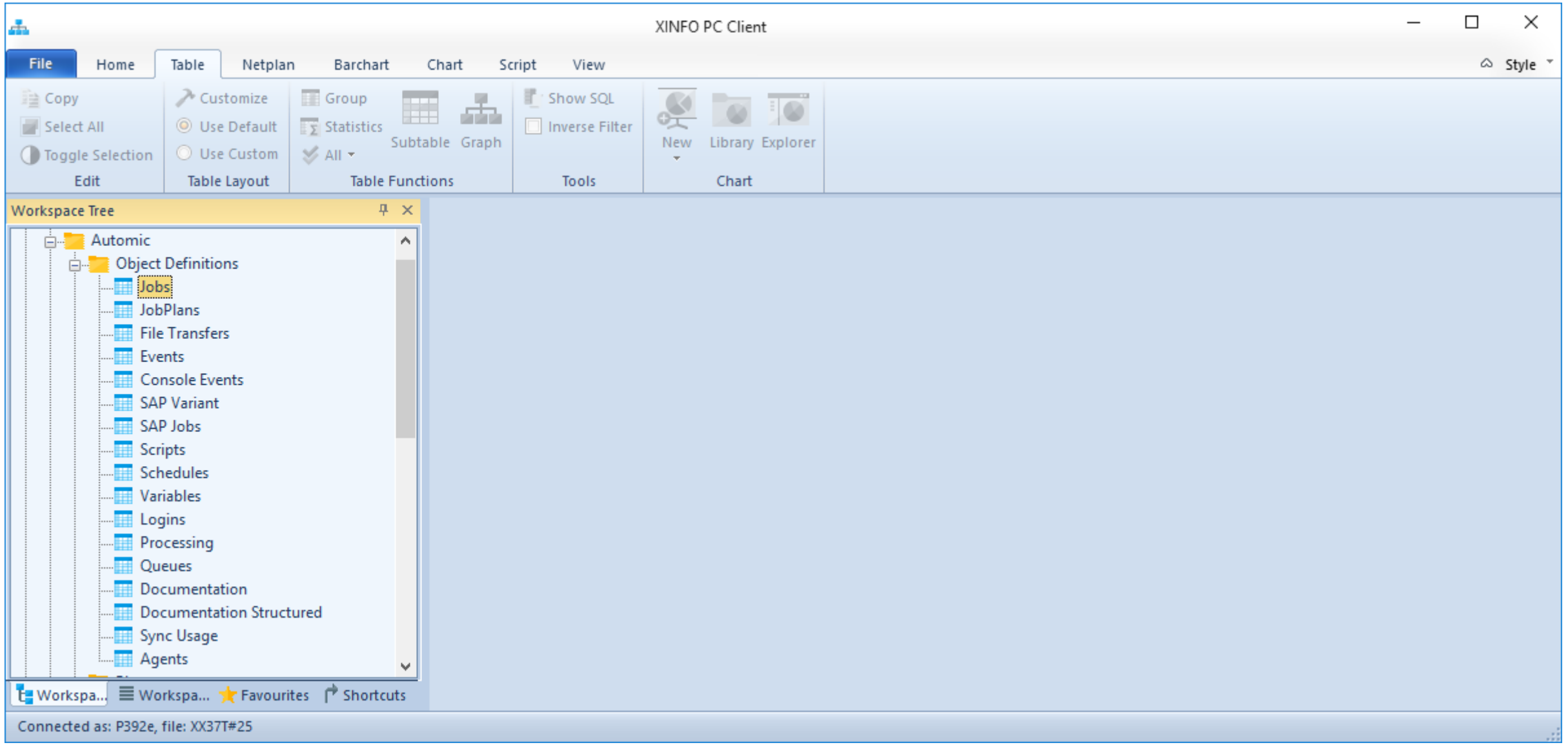
Automic – Calendar



HORIZONT Classification: Restricted

XINFO – Line Commands



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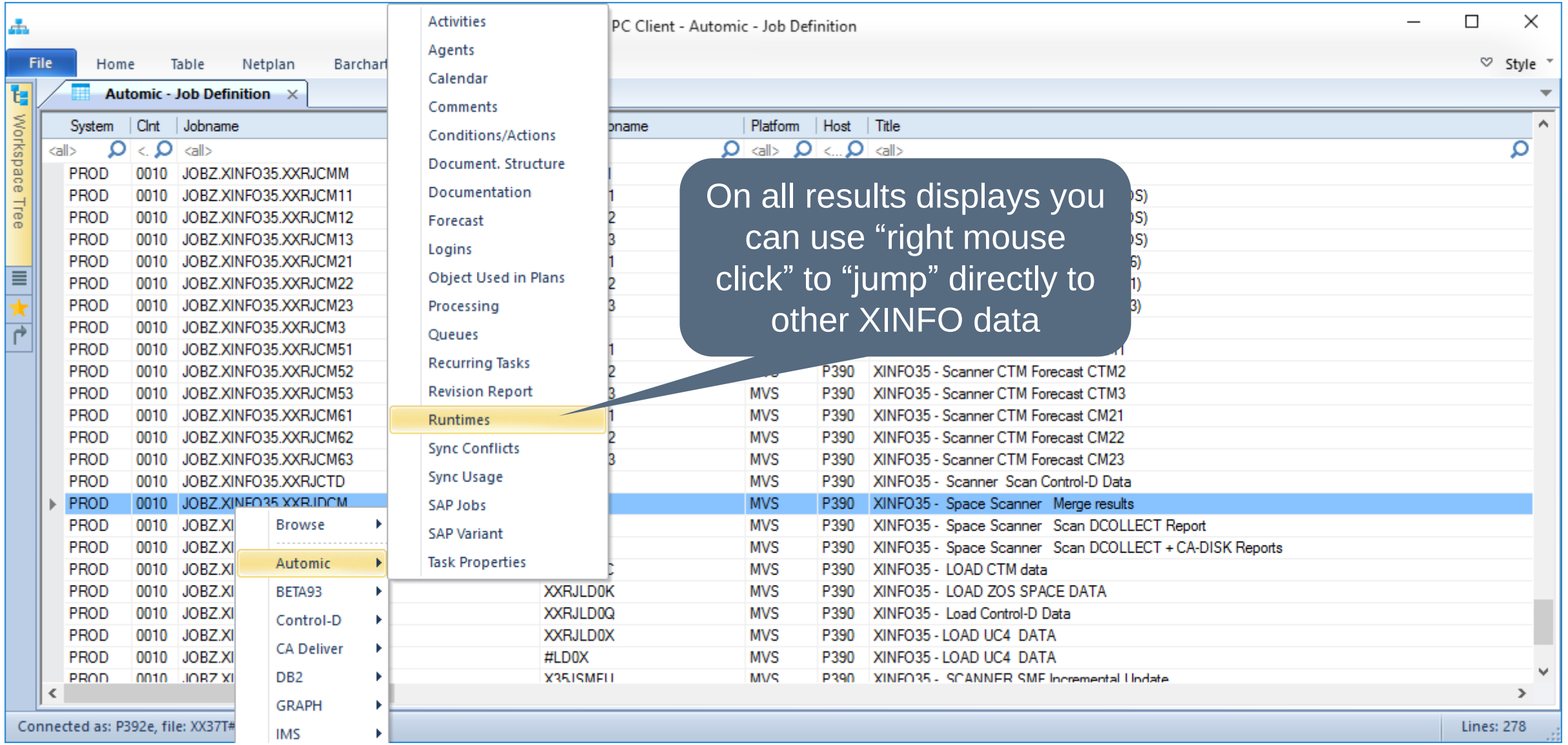
XINFO – Line Commands



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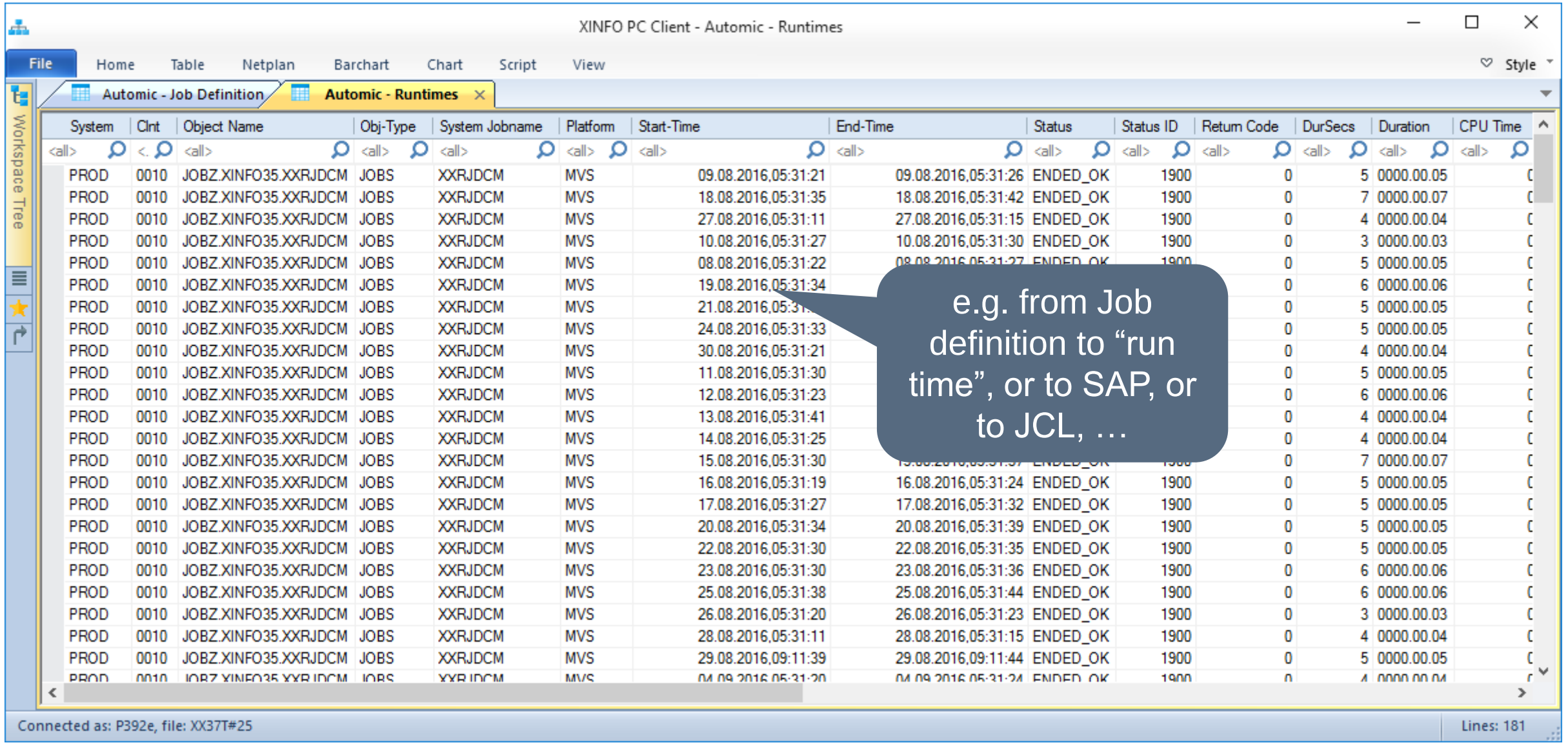
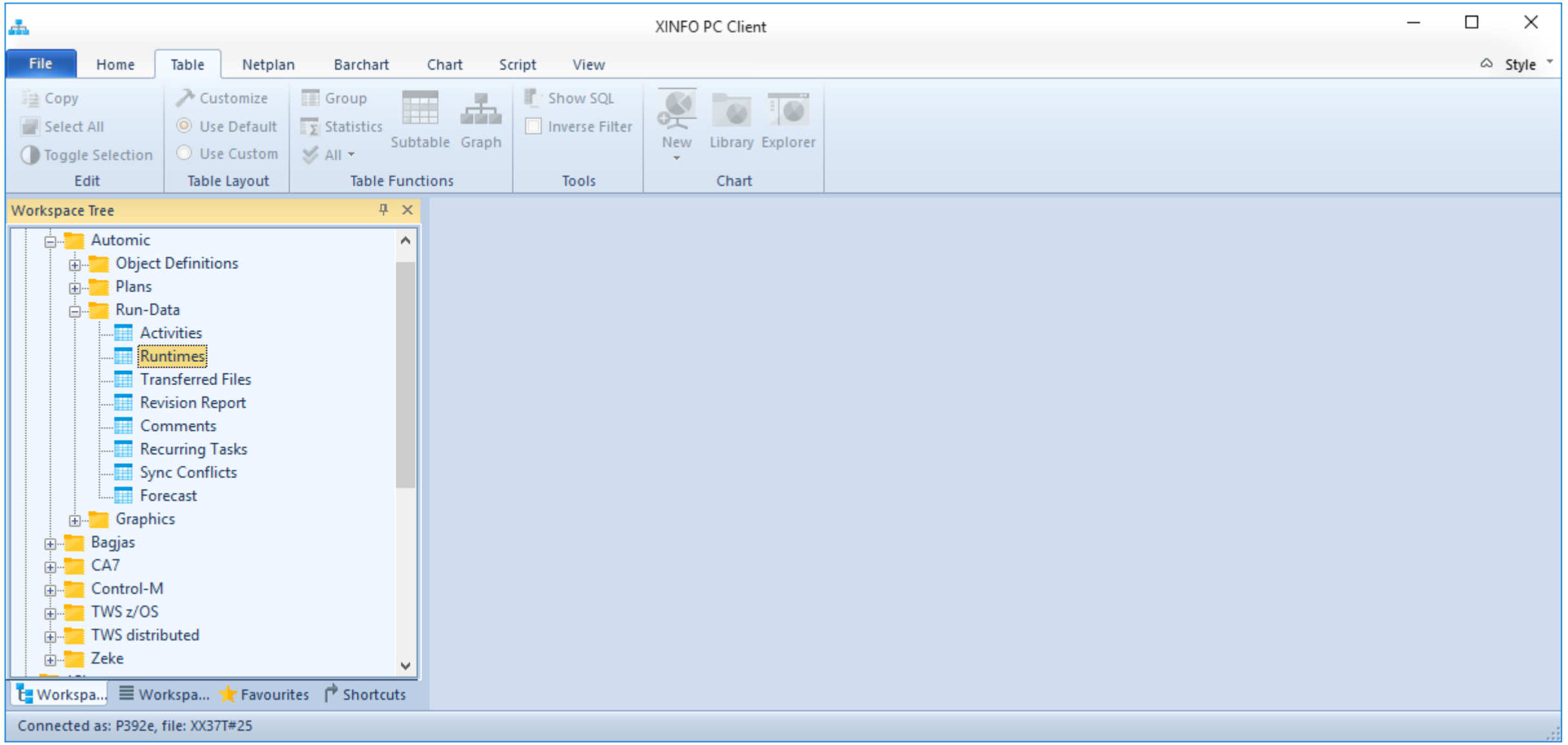
XINFO – Line Commands



HORIZONT Classification: Restricted

Automic – Runtime (Job History)



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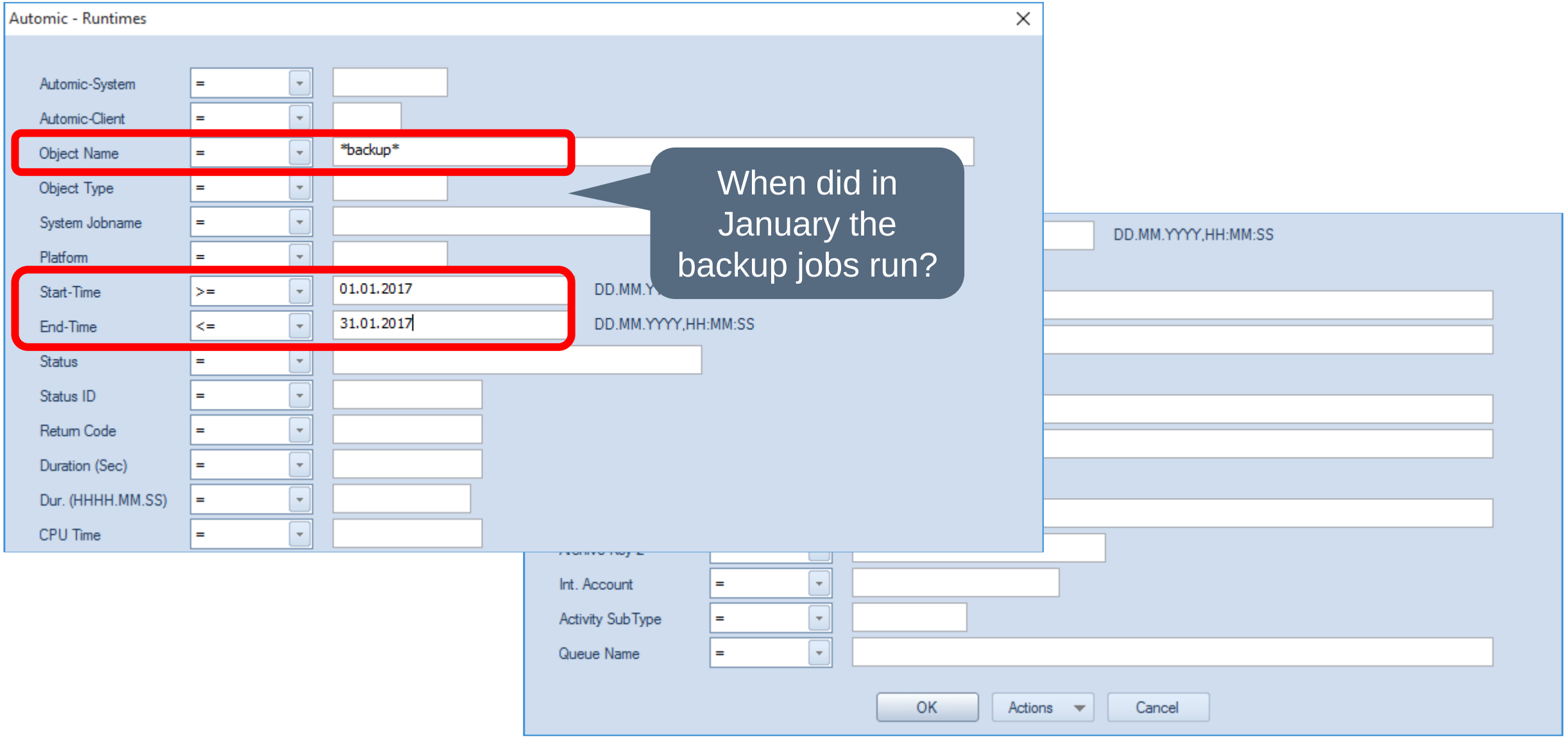
Automic – Runtime (Job History)



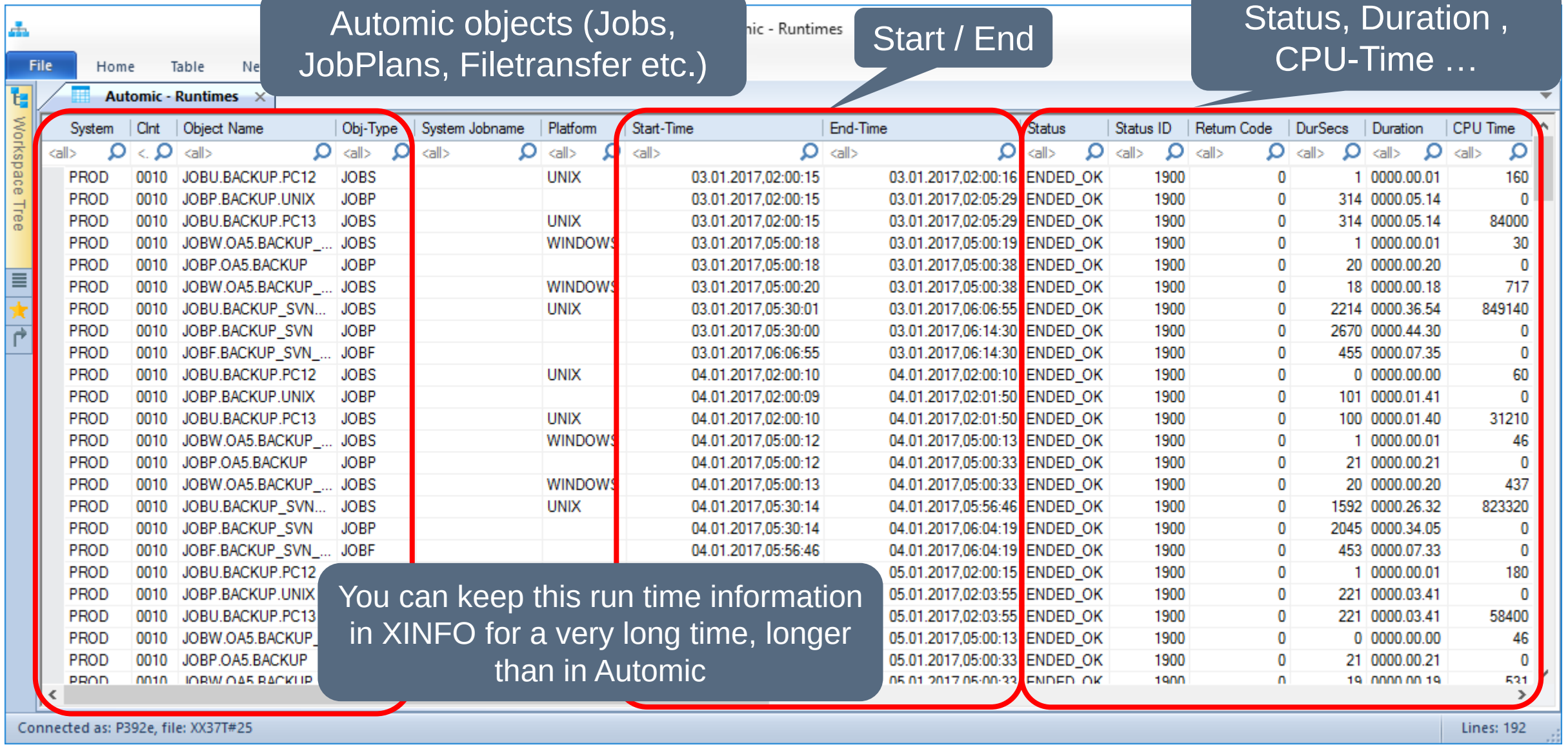
HORIZONT Classification: Restricted

Automic – Runtimes (Job History)

Automic 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	JOBU.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	JOBU.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	JOBU.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	JOBU.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	JOBU.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	JOBU.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	JOBU.BACKUP.PC12					05.01.2017,02:00:15	ENDED_OK	1900	0	1	0000.00.01	180
PROD	0010	JOBP.BACKUP.UNIX					05.01.2017,02:03:55	ENDED_OK	1900	0	221	0000.03.41	0
PROD	0010	JOBU.BACKUP.PC13					05.01.2017,02:03:55	ENDED_OK	1900	0	221	0000.03.41	58400
PROD	0010	JOBW.OA5.BACKUP_					05.01.2017,05:00:13	ENDED_OK	1900	0	0	0000.00.00	46
PROD	0010	JOBP.OA5.BACKUP					05.01.2017,05:00:33	ENDED_OK	1900	0	21	0000.00.21	0
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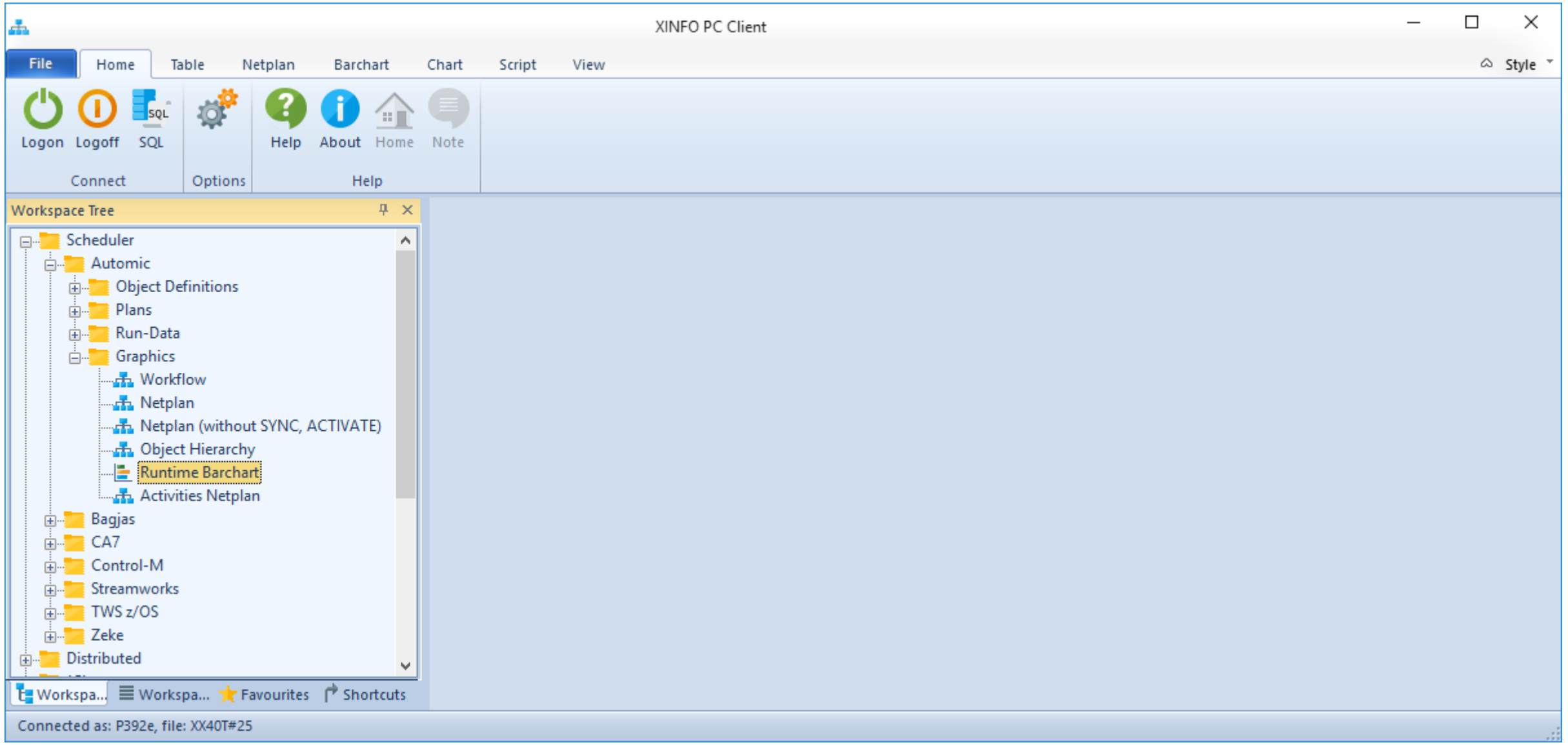
You can keep this run time information in XINFO for a very long time, longer than in Automic

HORIZONT Classification: Restricted

Automic – Runtime Barchart (Job History)



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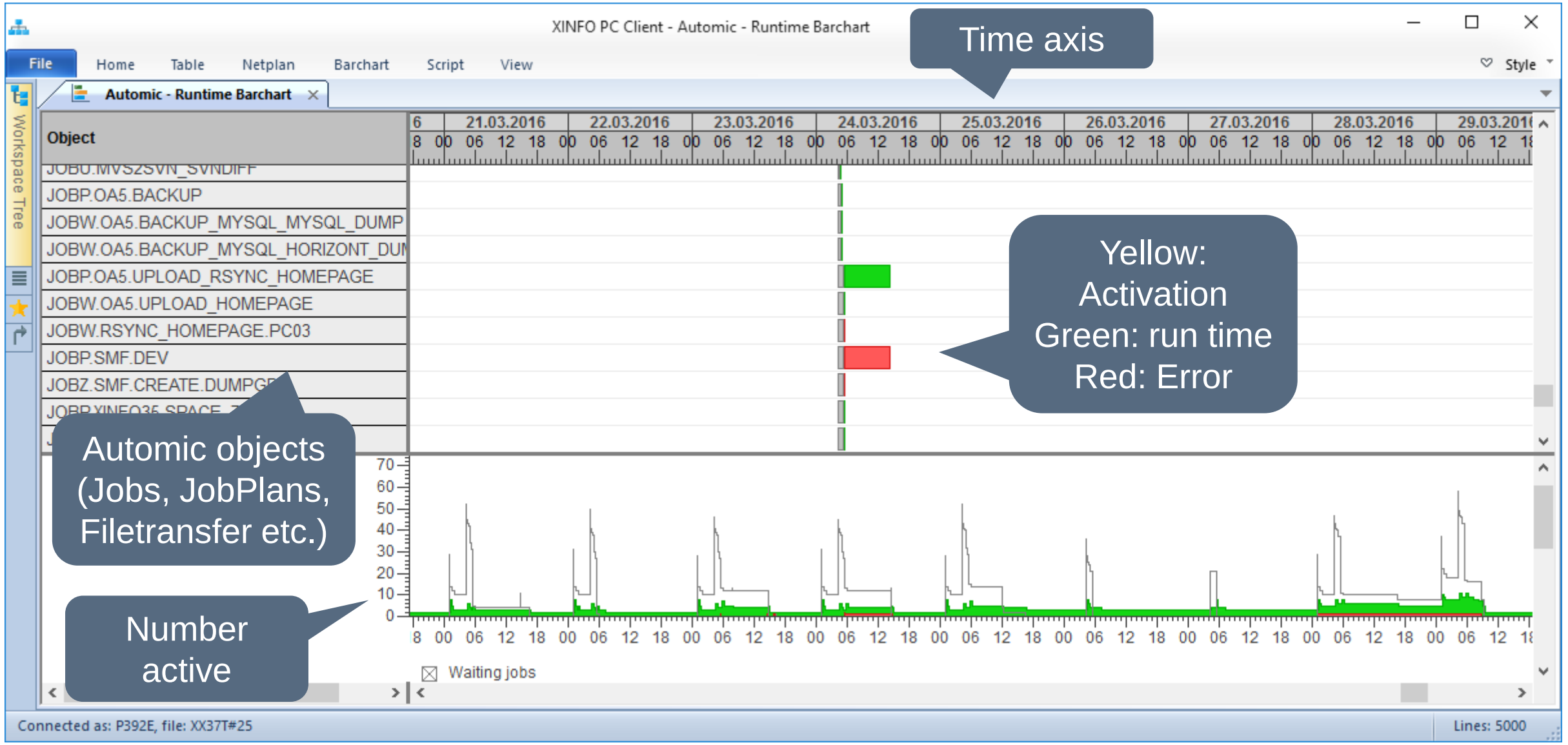
Automic – Runtime Barchart (Job History)



HORIZONT
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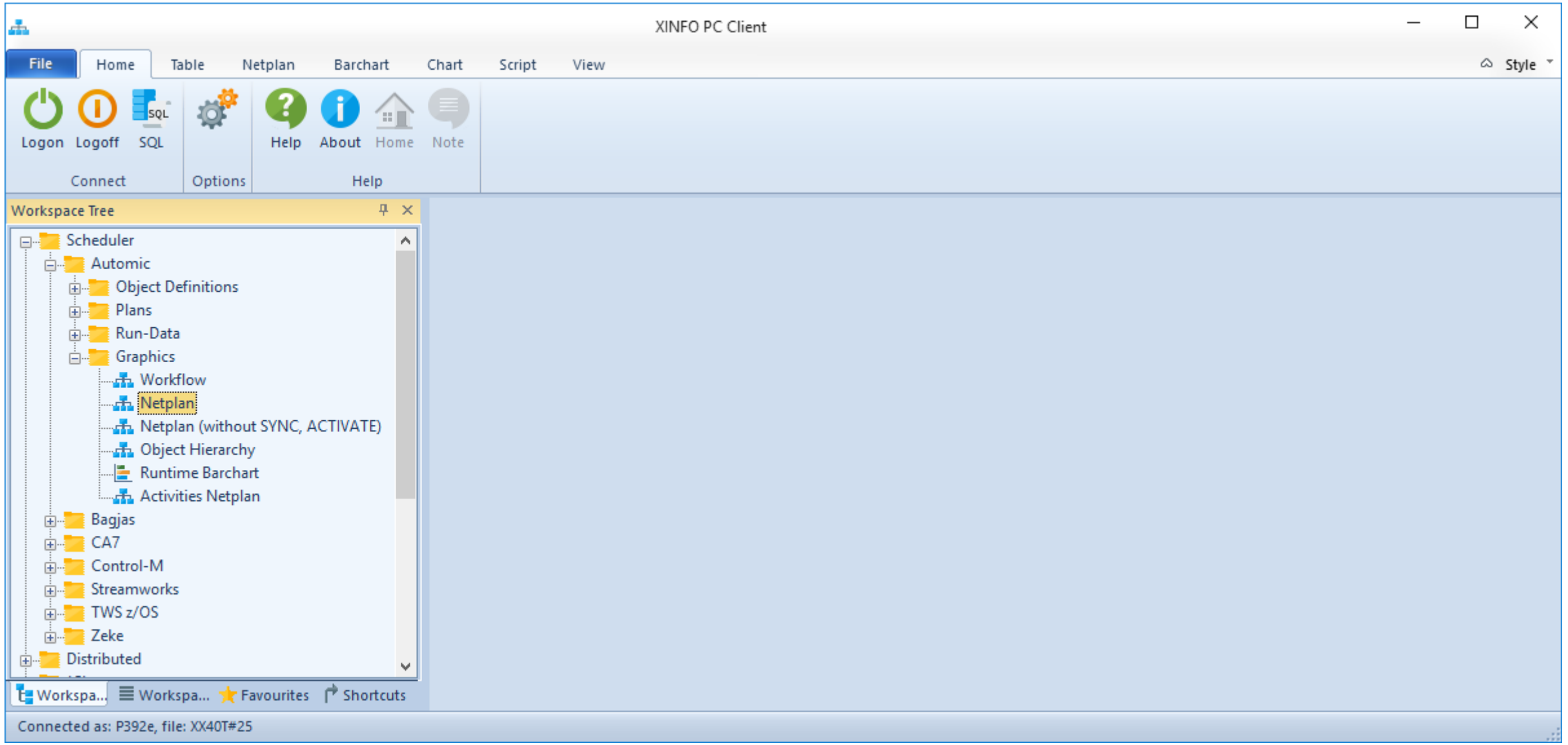
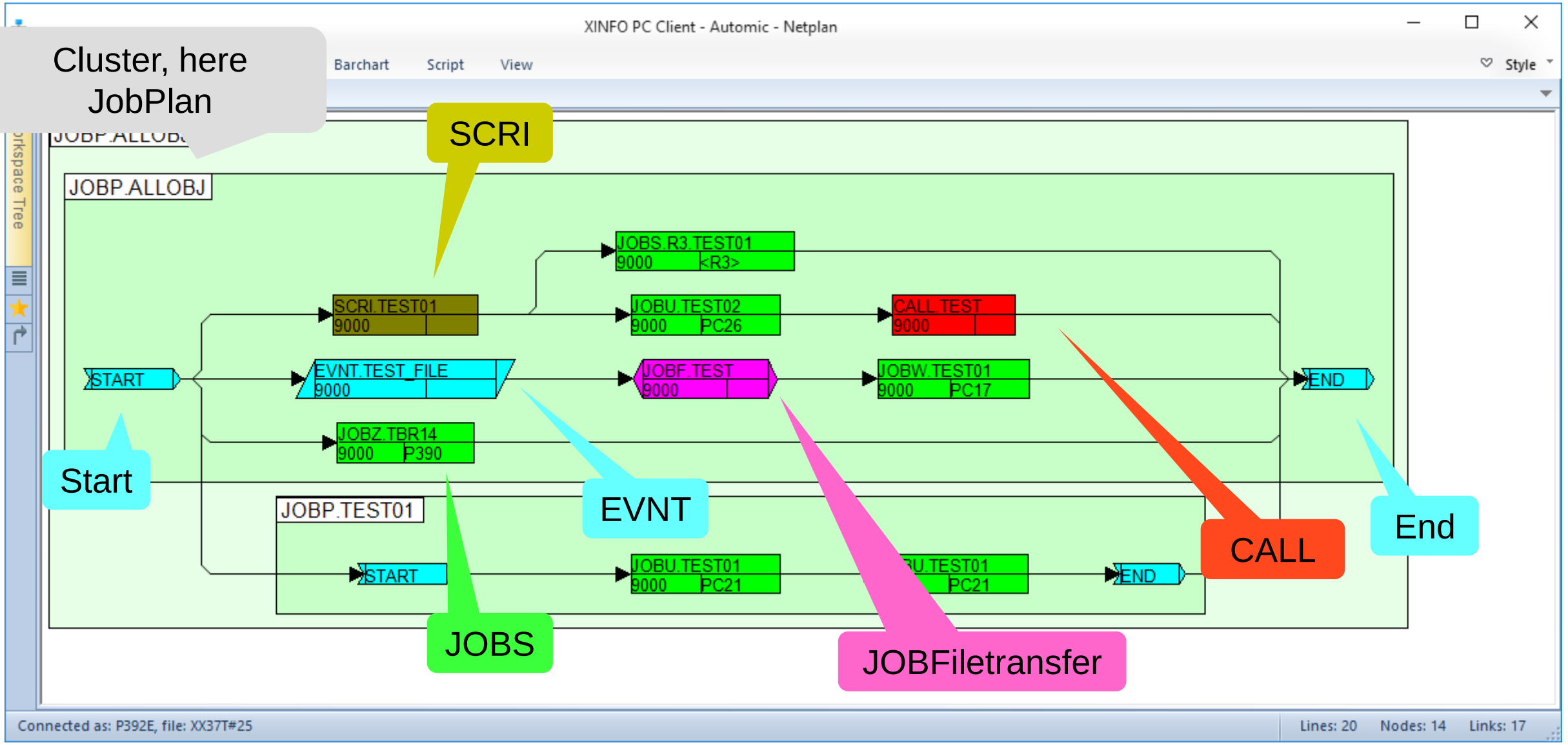
Automic – Job Netplan



HORIZONT
Classification: Restricted

Automic – Job Netplan, the Objects



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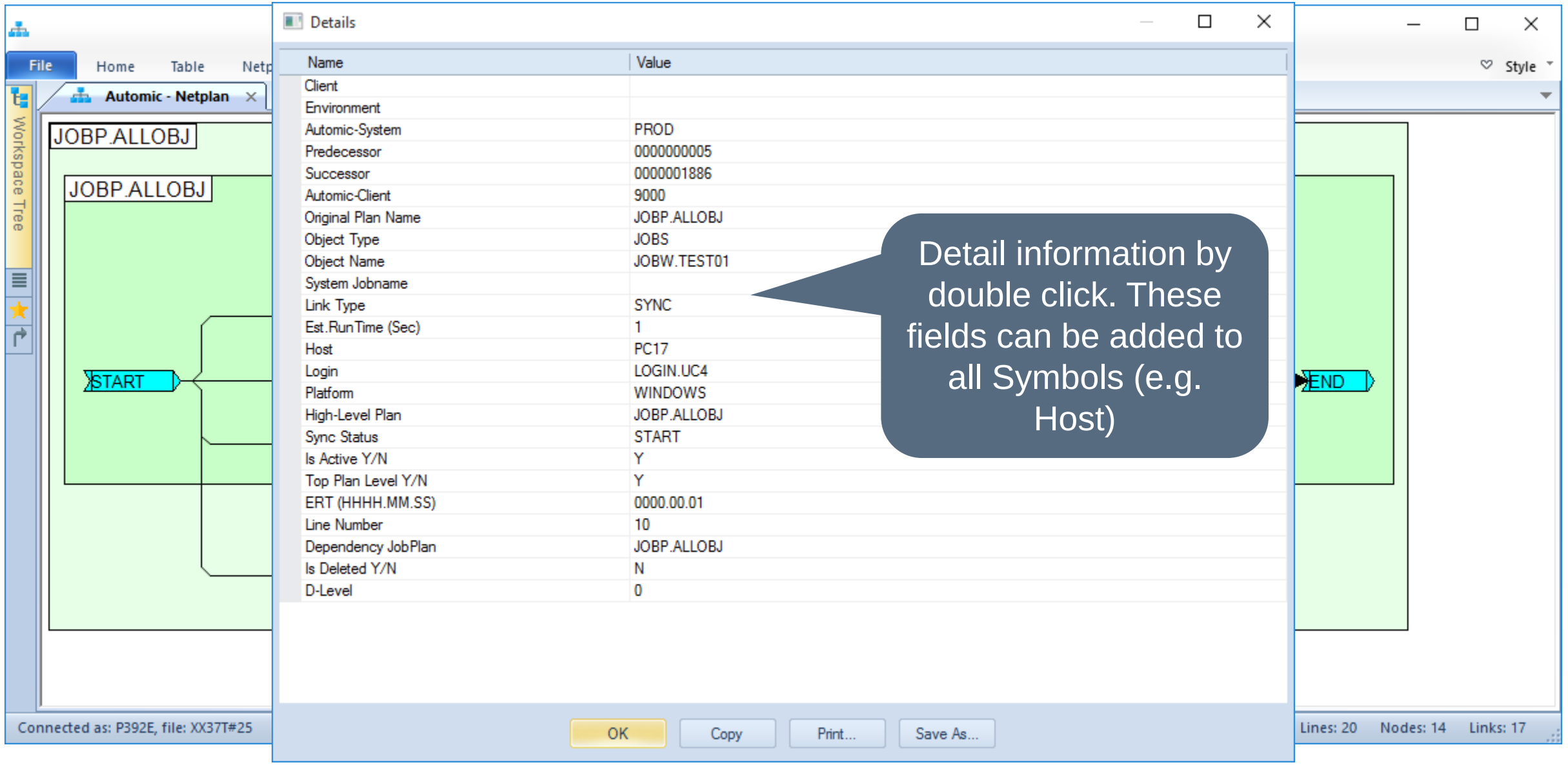
Automic – Job Netplan



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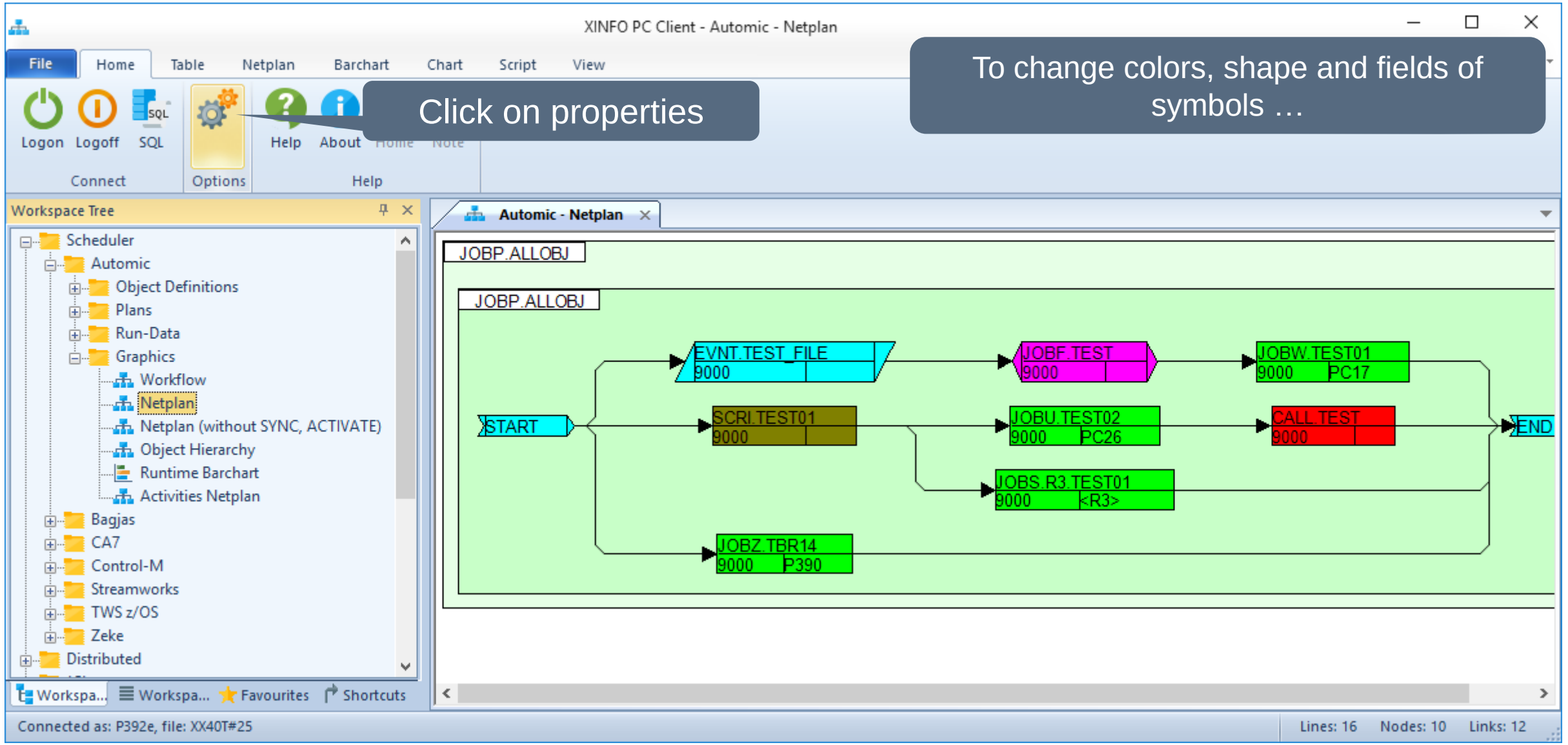
Automic – Job Netplan



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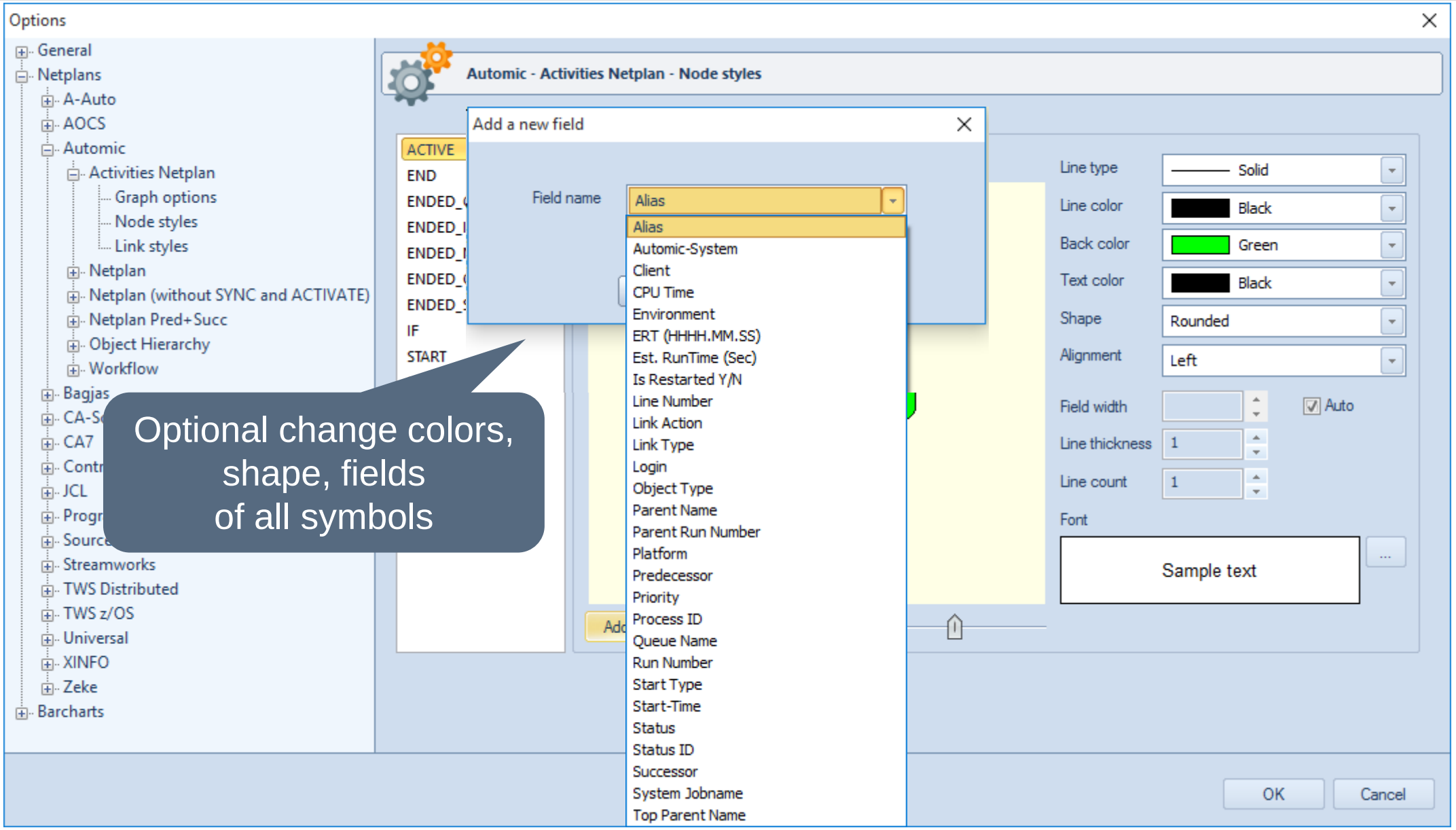
Automic – Job Netplan



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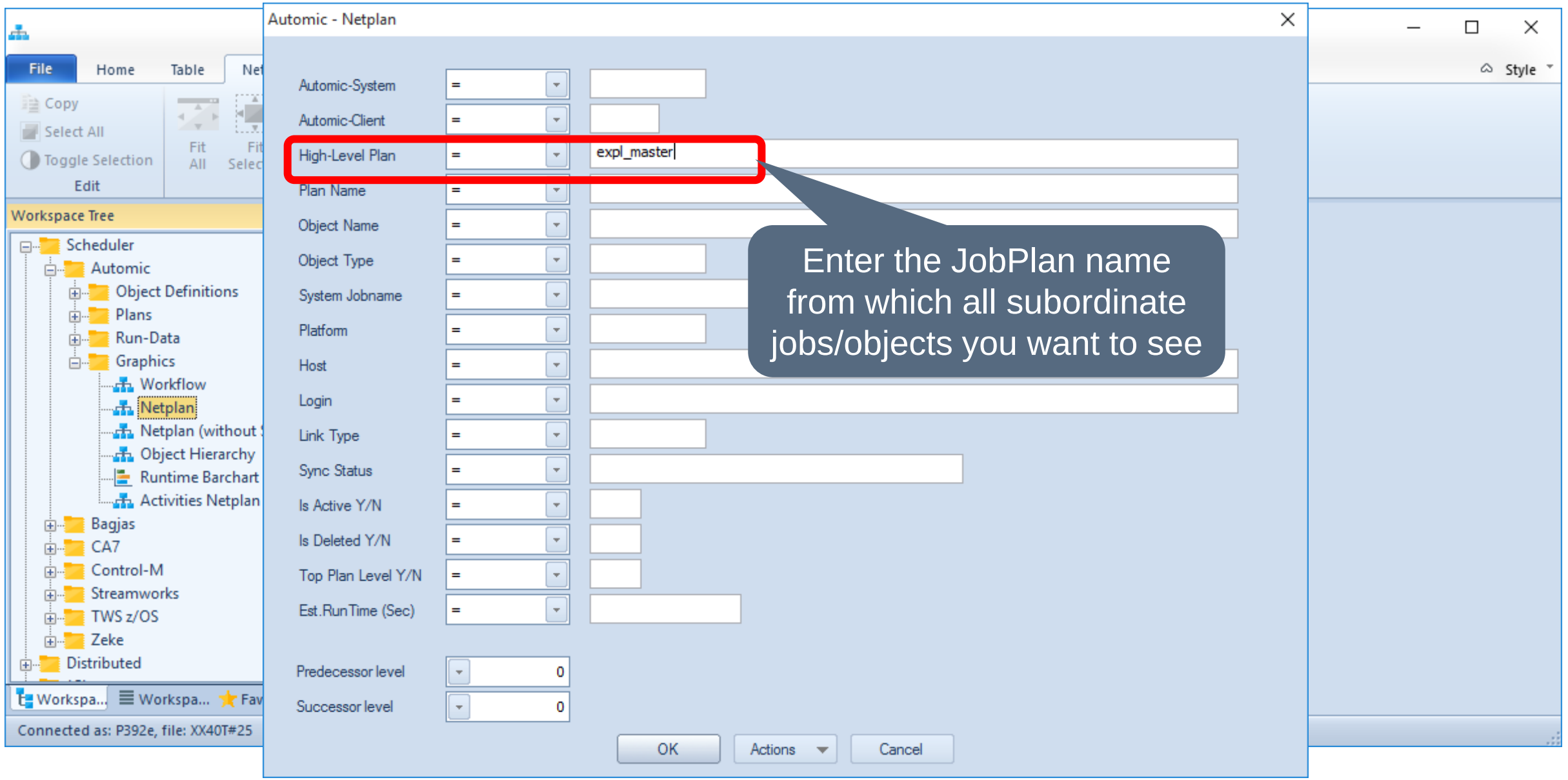
Automic – Job Netplan



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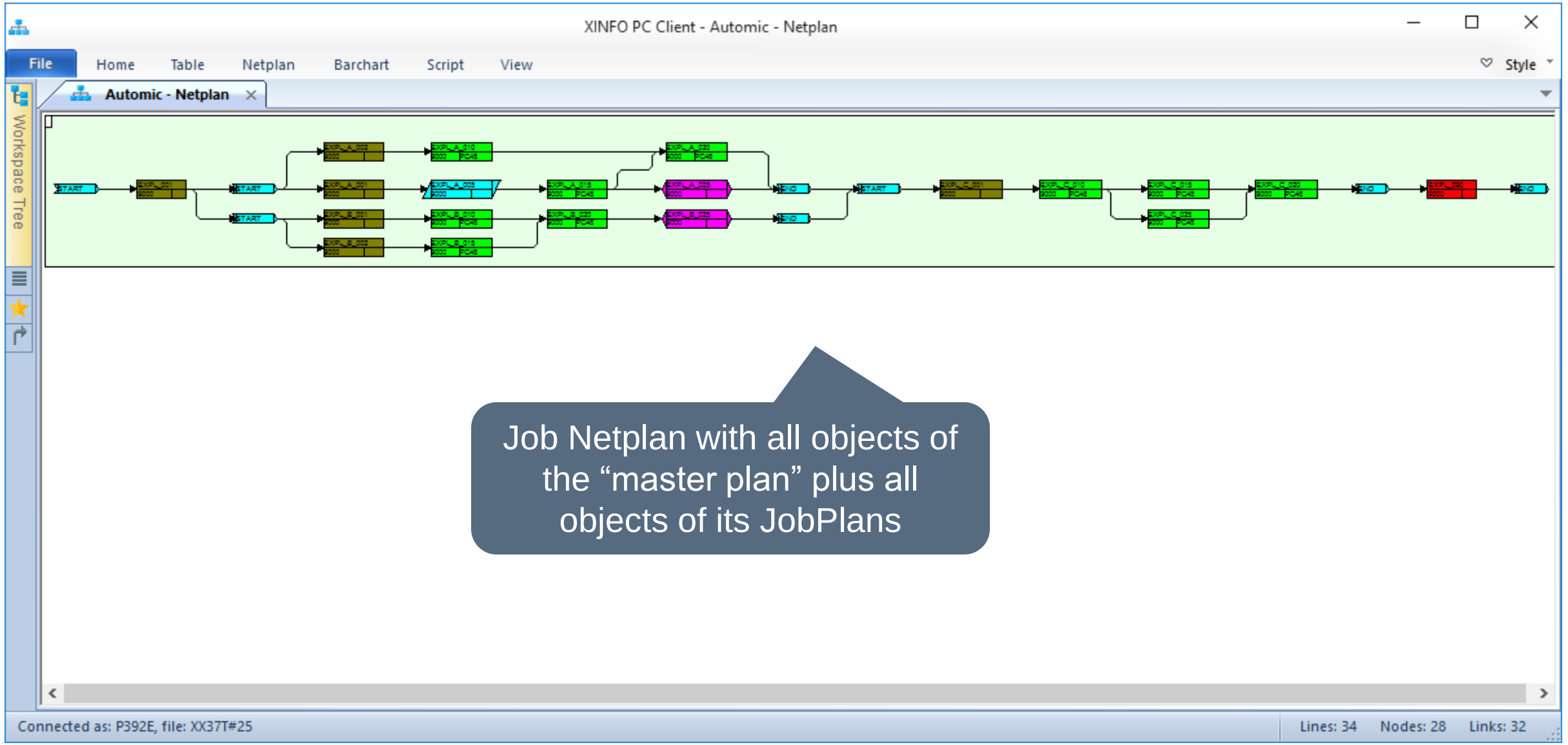
Automic – Job Netplan



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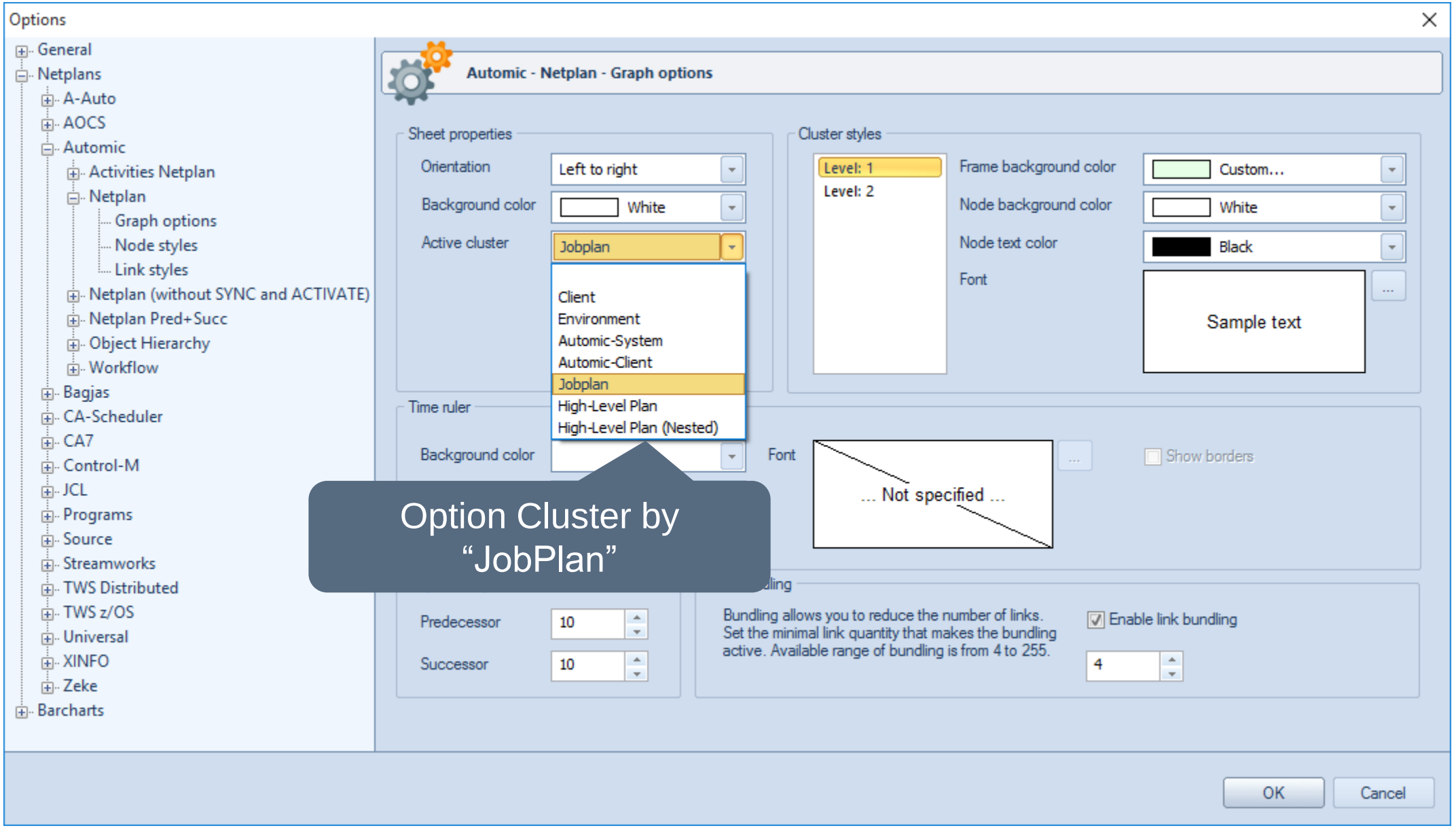
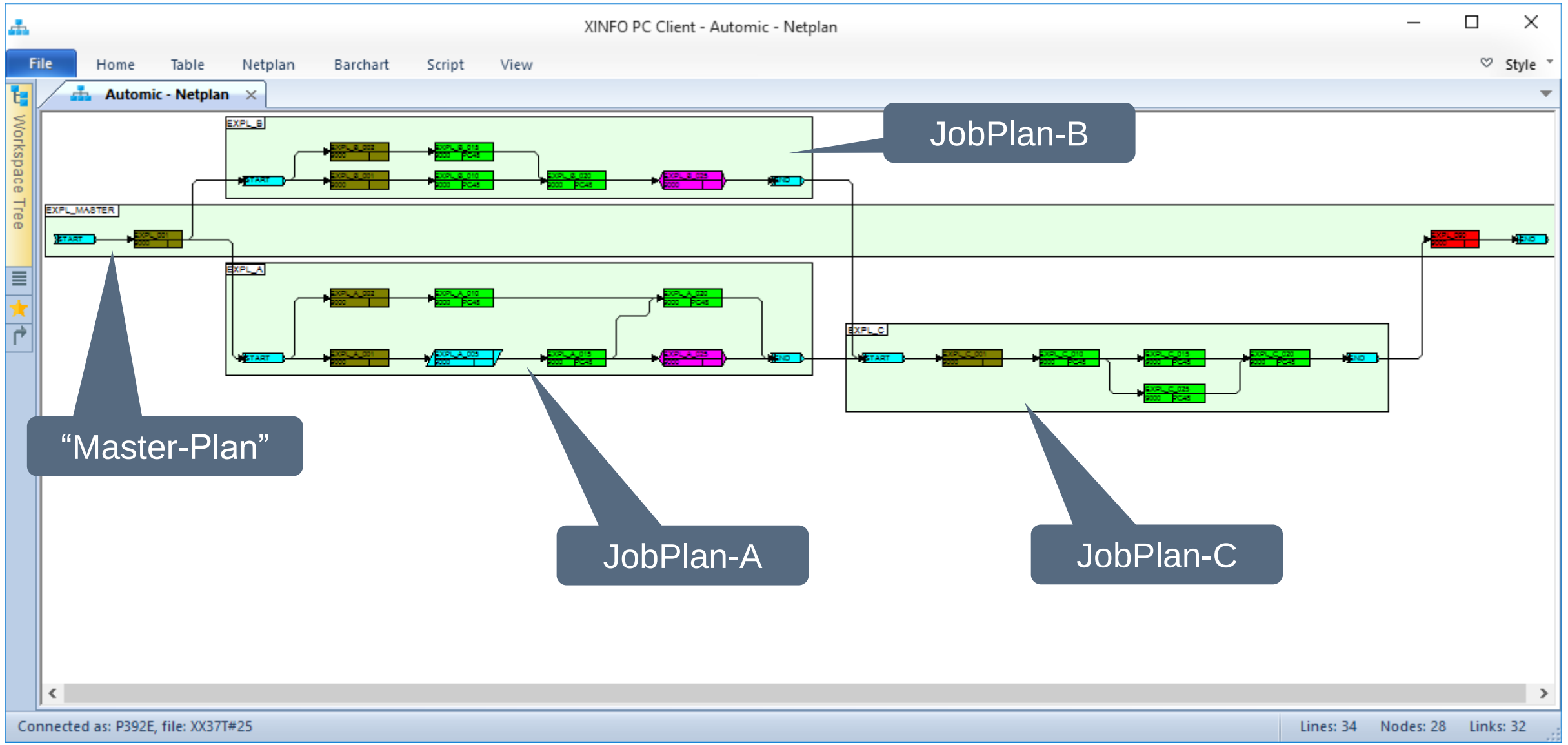
Automic – Job Netplan



Option Cluster by "JobPlan"

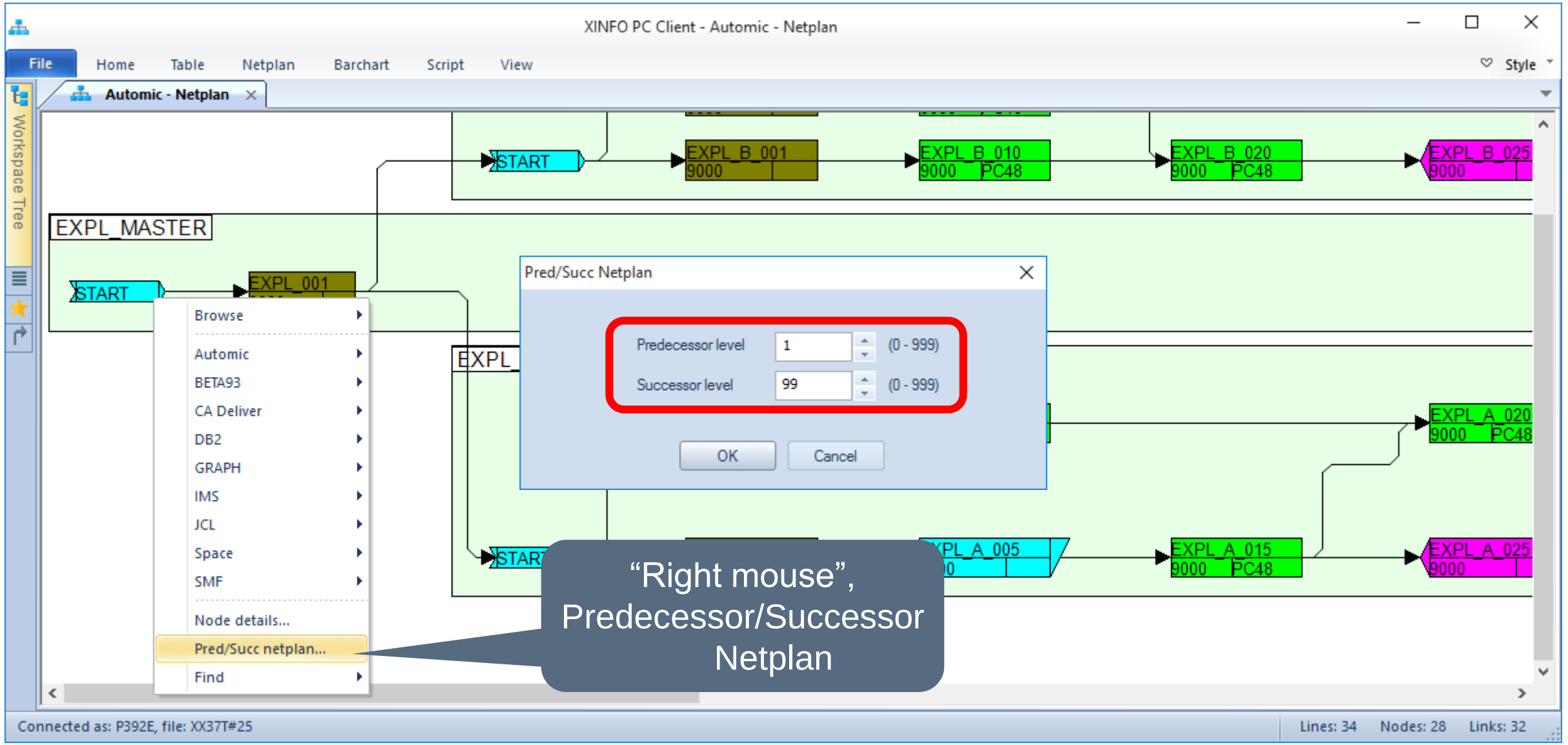
HORIZONT
Classification: Restricted

Automic – Job Netplan



HORIZONT
Classification: Restricted

Automic – Job Netplan, Pred/Succ-Level



HORIZONT
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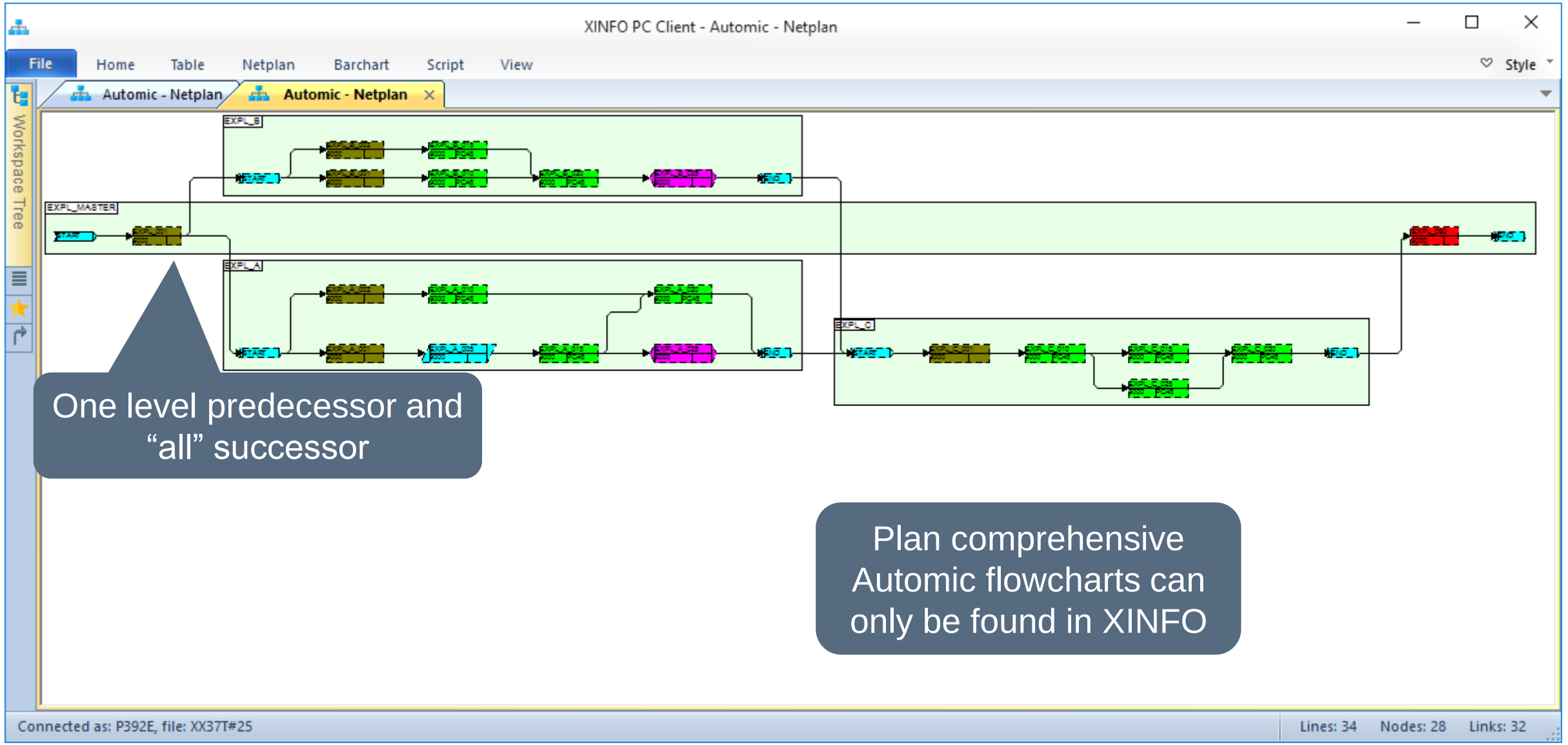
Automic – Job Netplan



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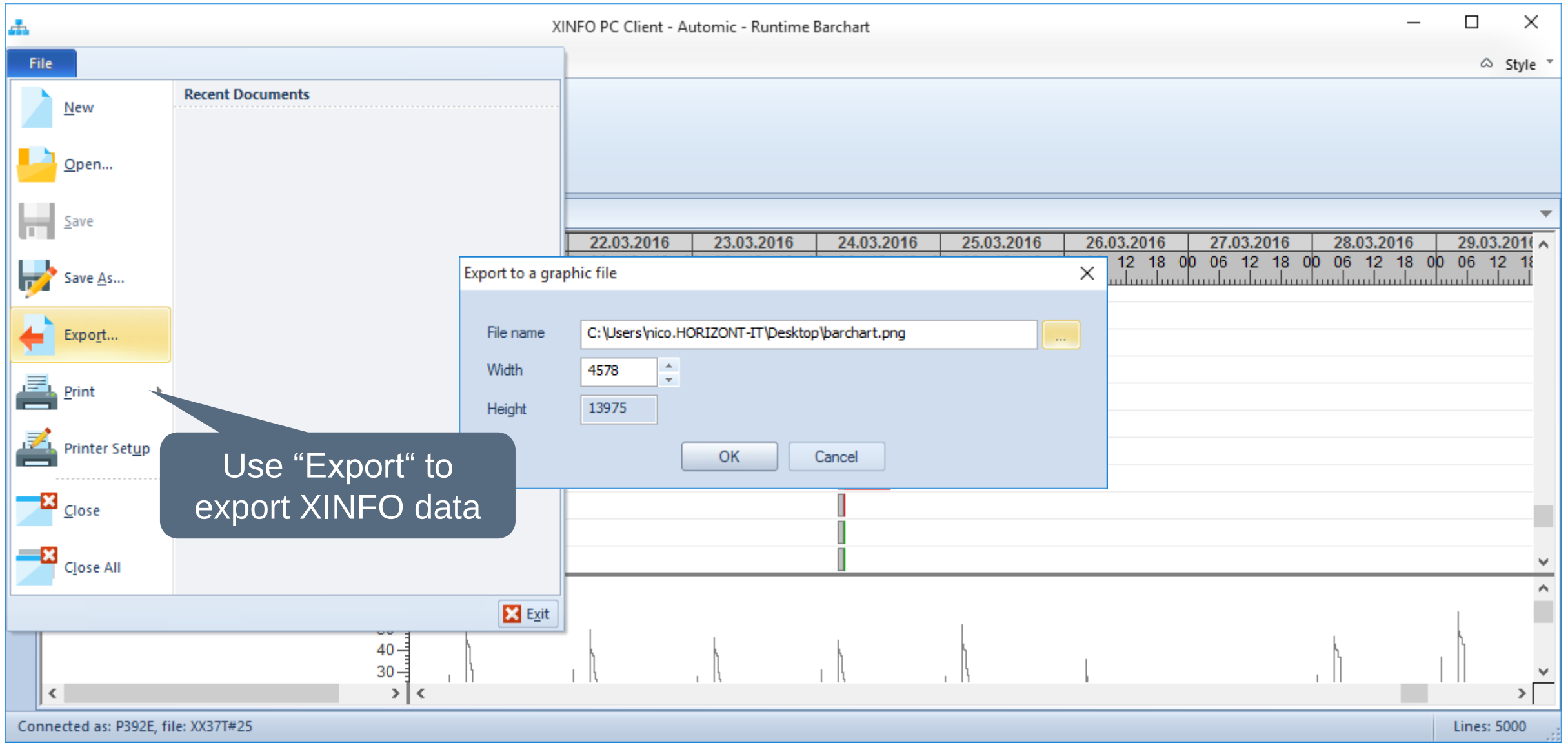
XINFO – Data Export



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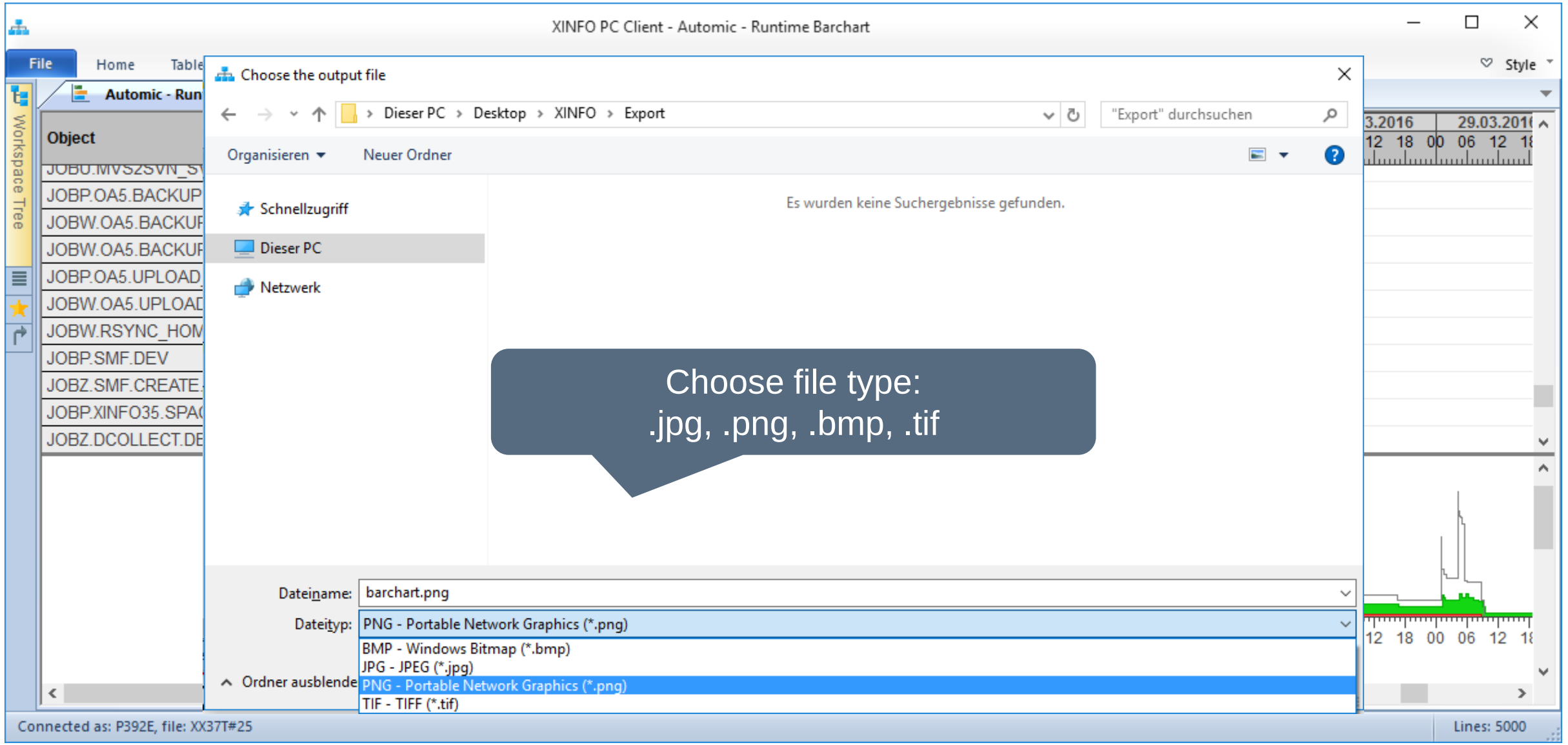
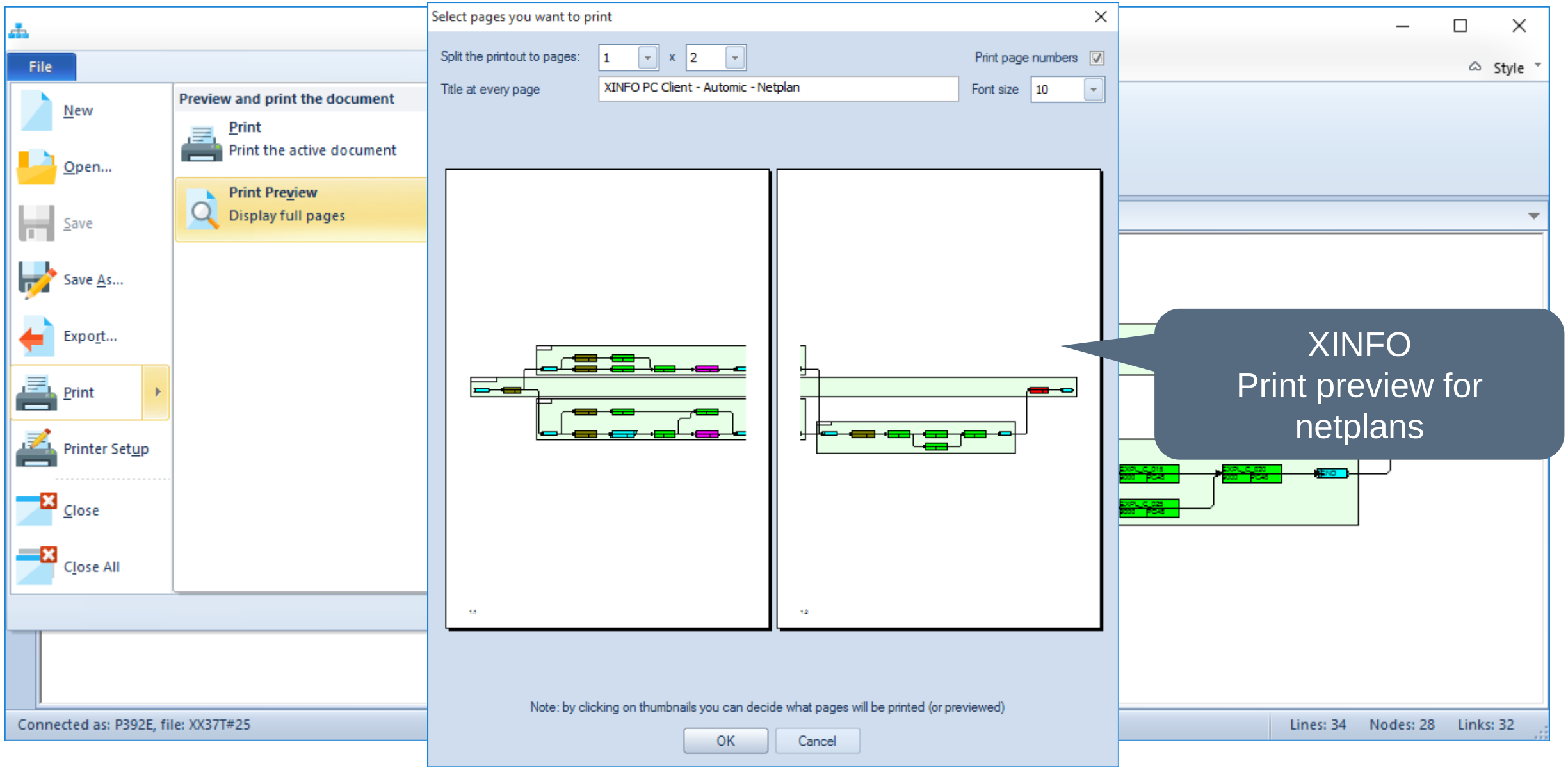
XINFO – Data Export



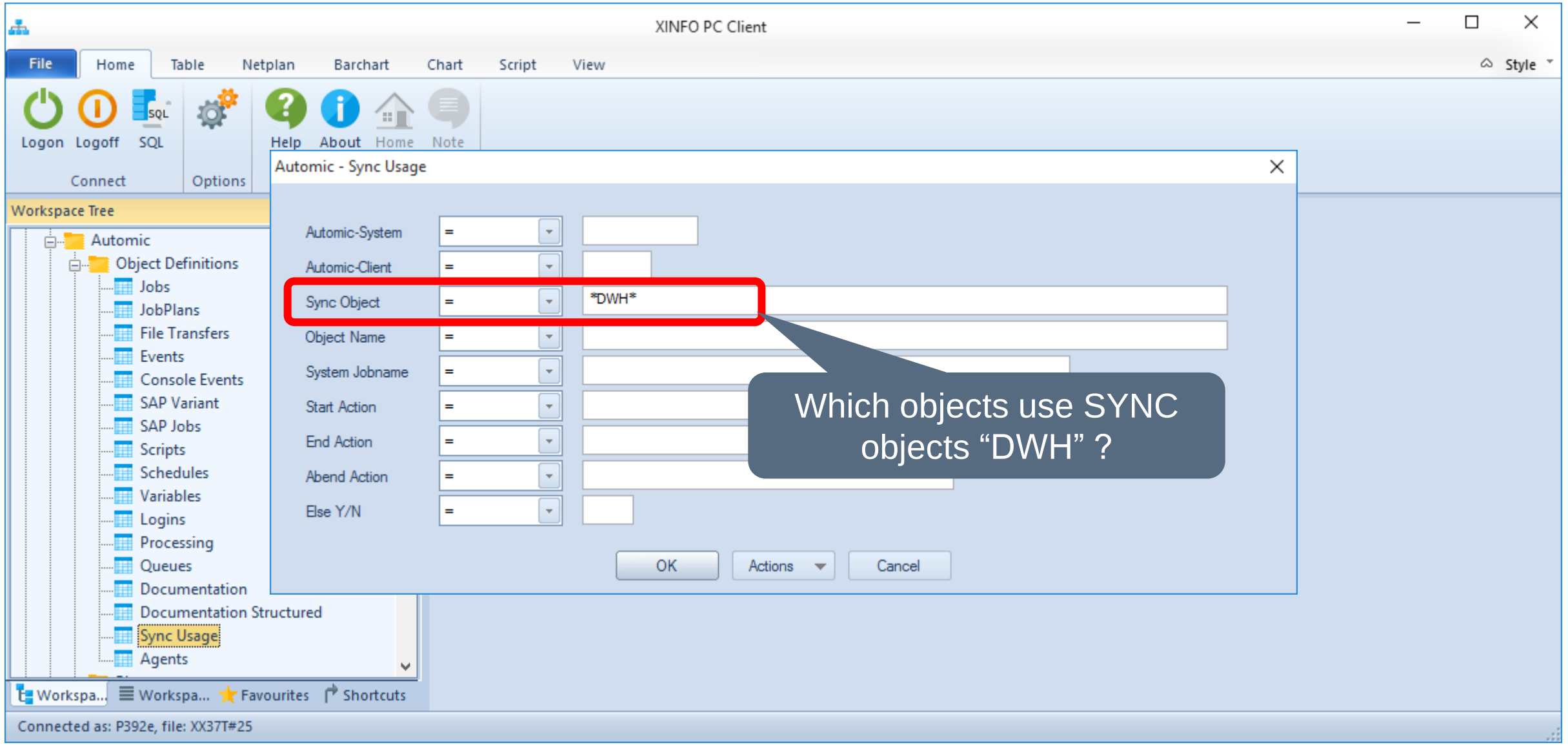
Classification: Restricted

Automic – Job Netplan Printing



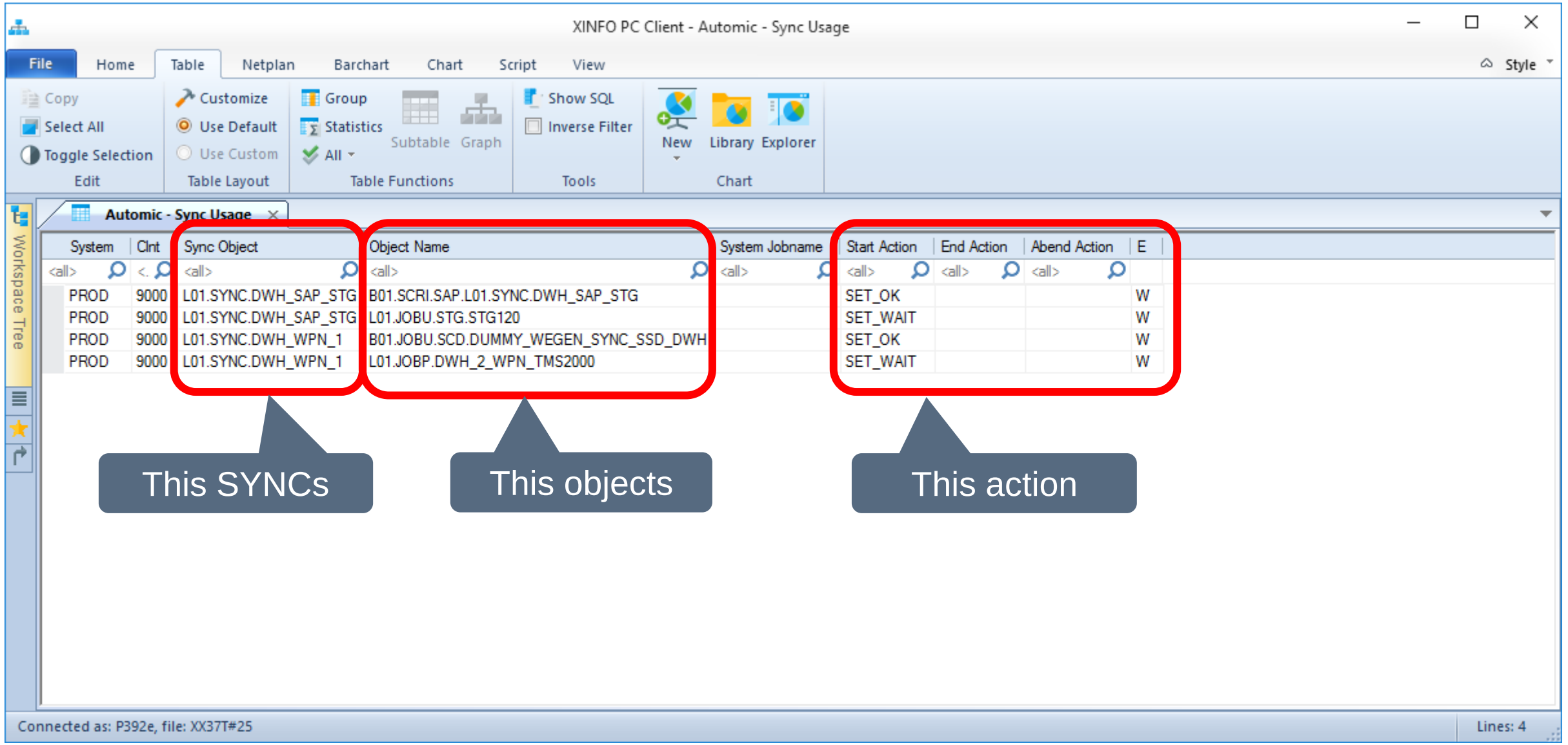
HORIZONT
Classification: Restricted

Automic – Sync Usage



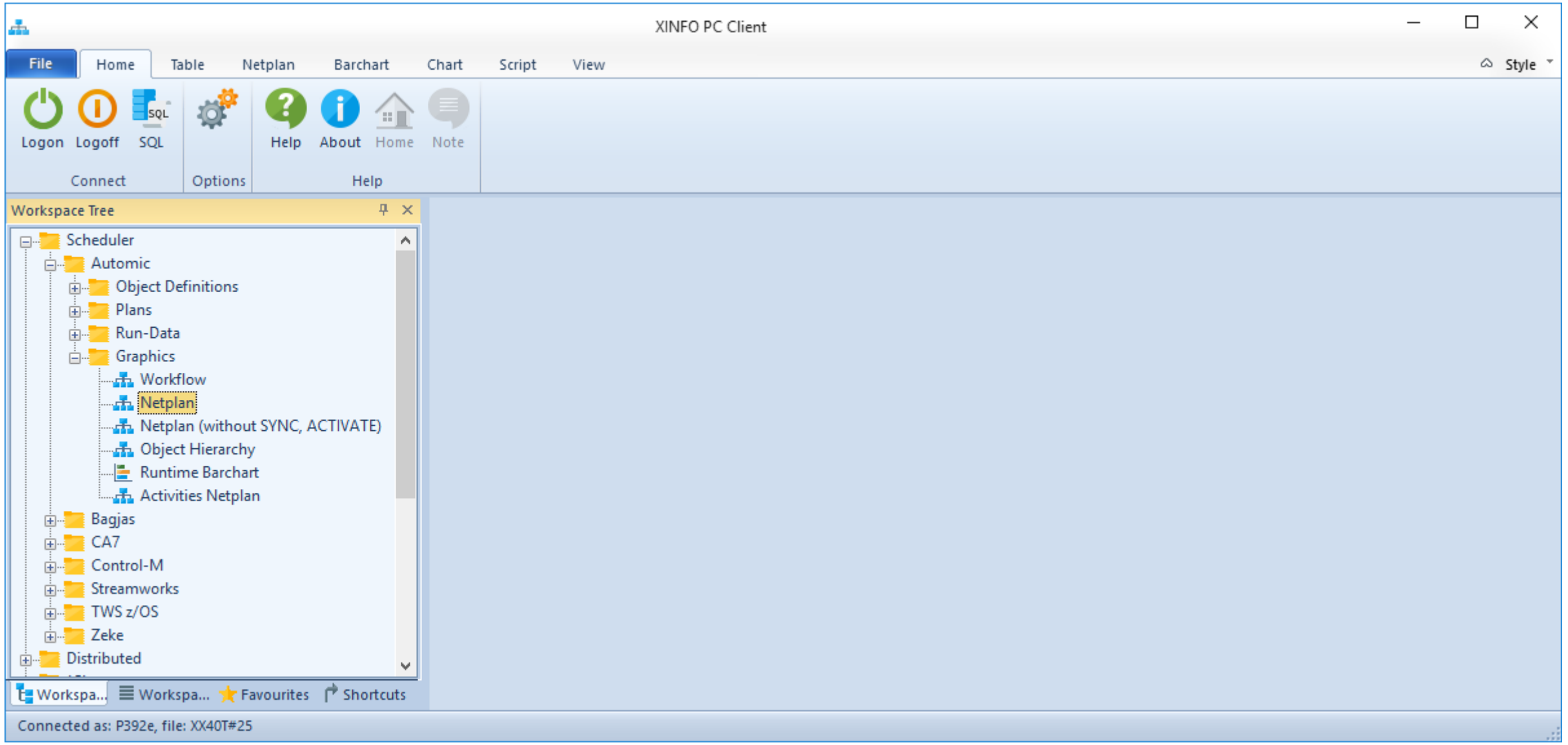
HORIZONT
Classification: Restricted

Automic – Sync Usage



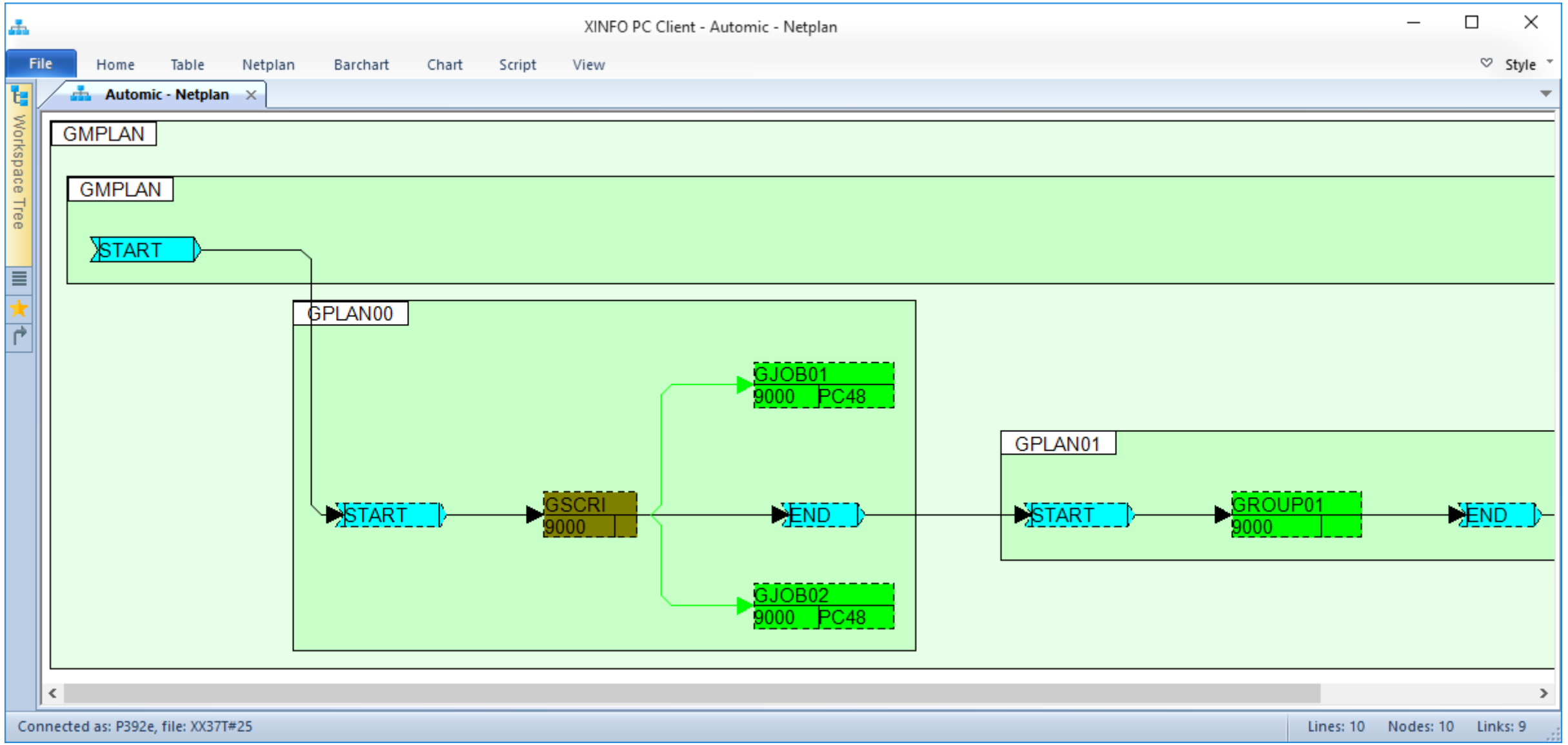
HORIZONT Classification: Restricted

Automic – Description ‘ACTIVATE_UC_OBJECT’



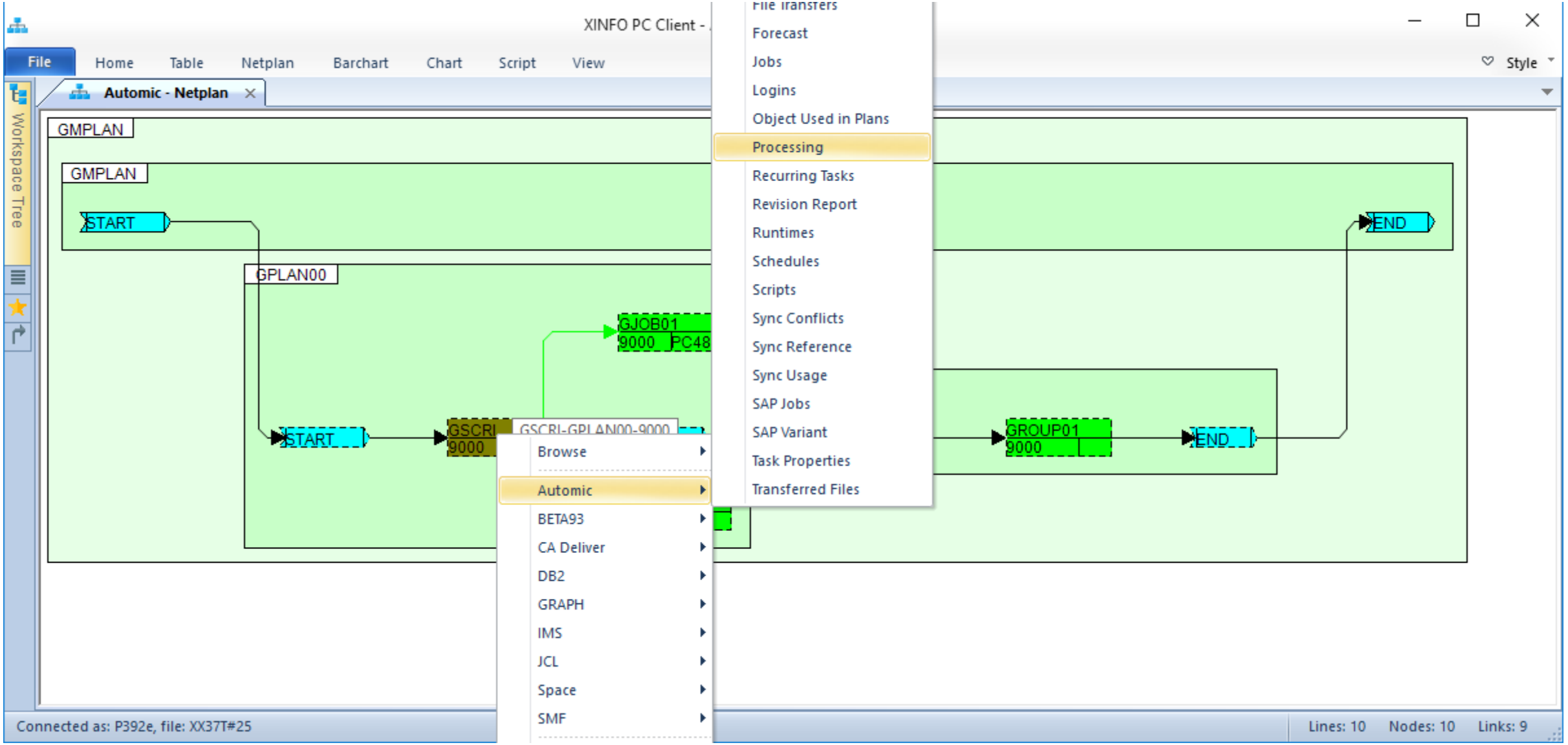
HORIZONT
Classification: Restricted

Automic – Description ‘ACTIVATE_UC_OBJECT’



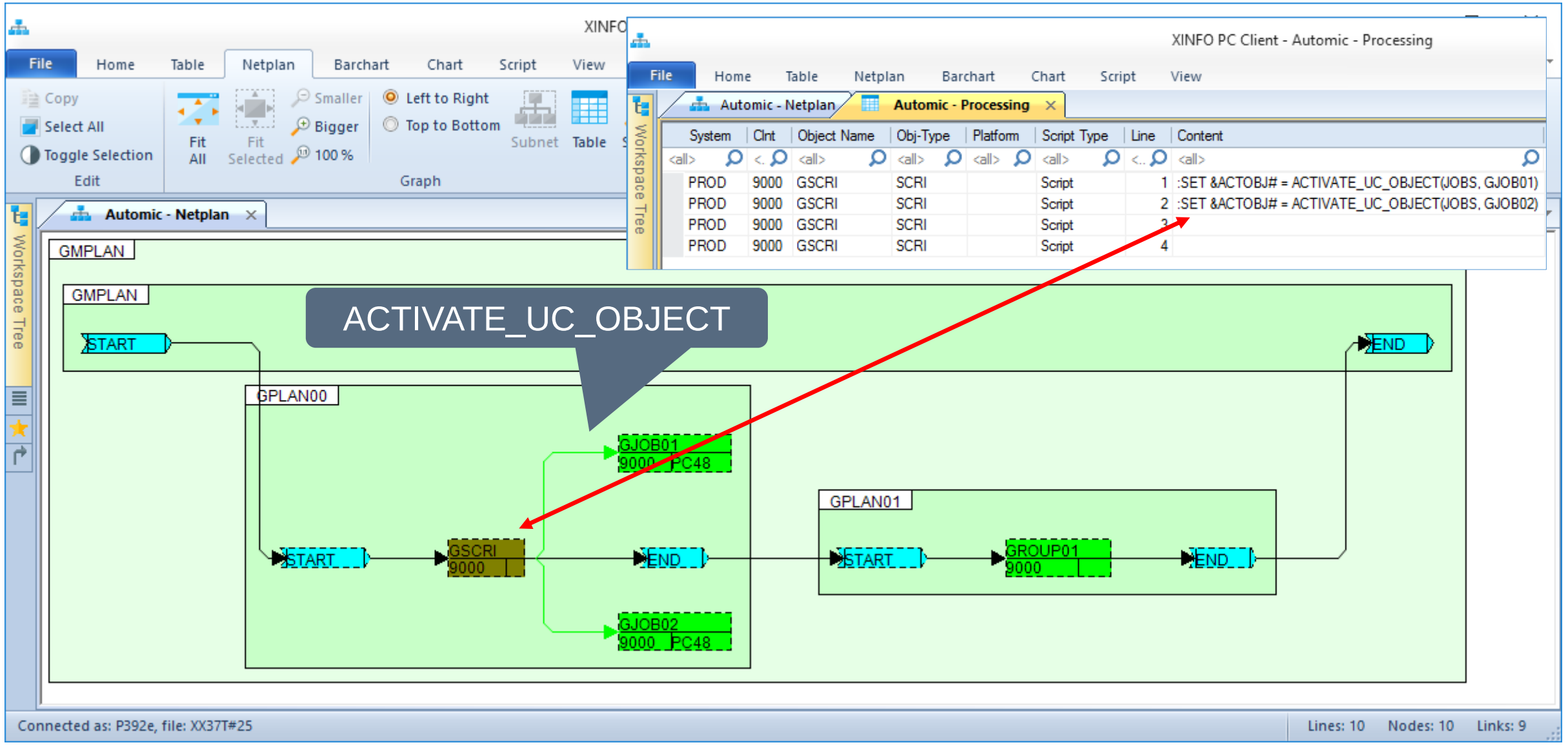
HORIZONT
Classification: Restricted

Automic – Description ‘ACTIVATE_UC_OBJECT’



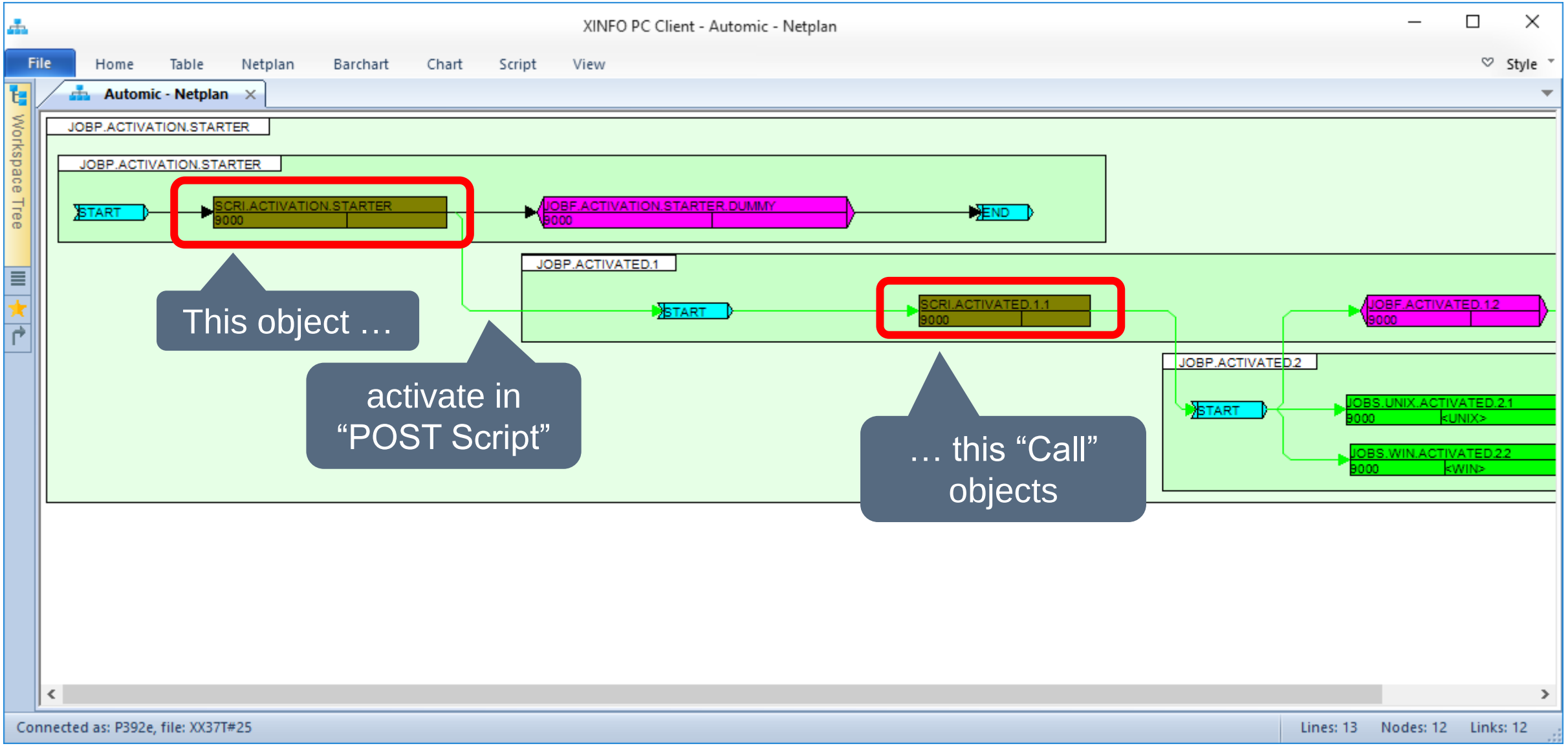
HORIZONT
Classification: Restricted

Automic – Description ‘ACTIVATE_UC_OBJECT’



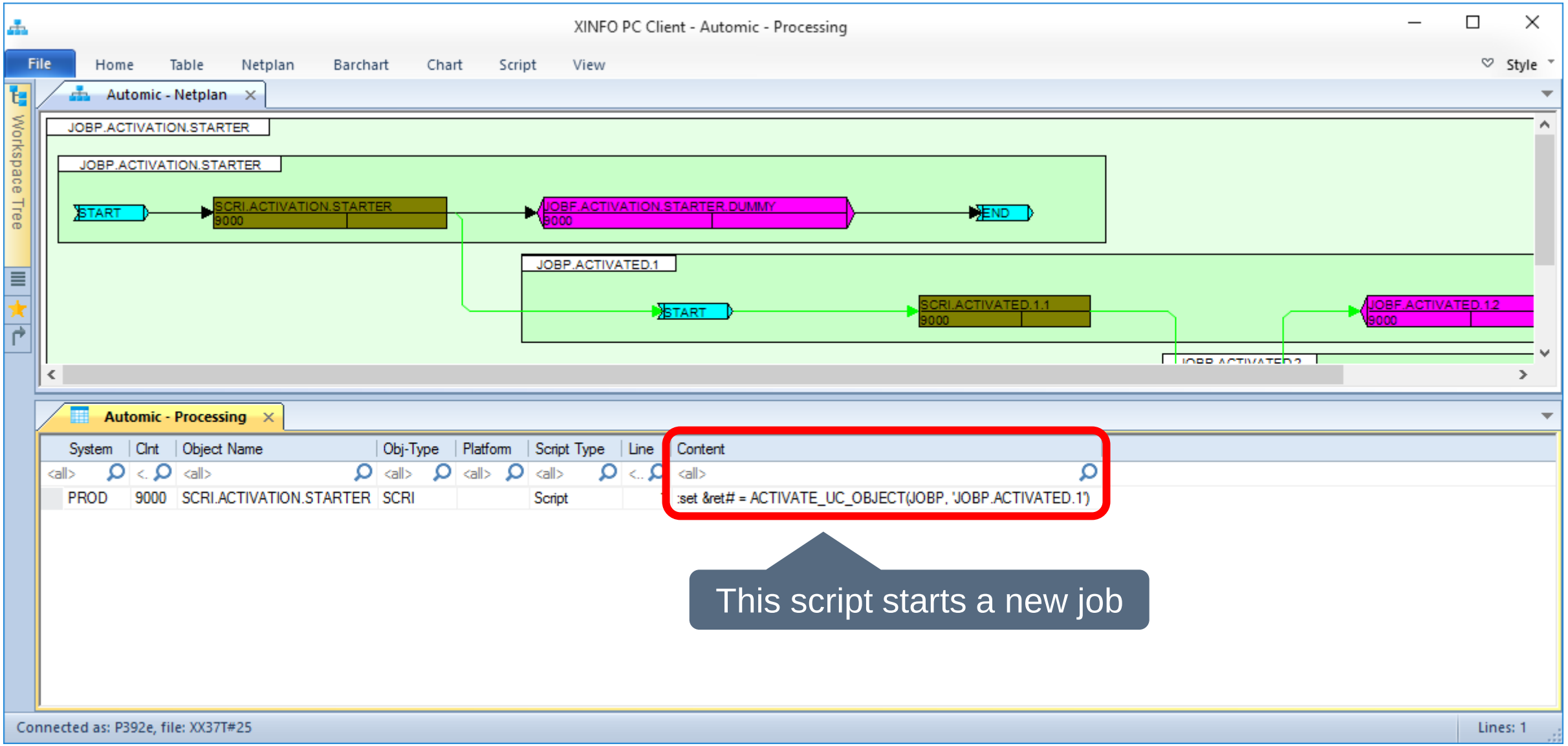
HORIZONT
Classification: Restricted

Automic – Description ‘Post Script Activation’



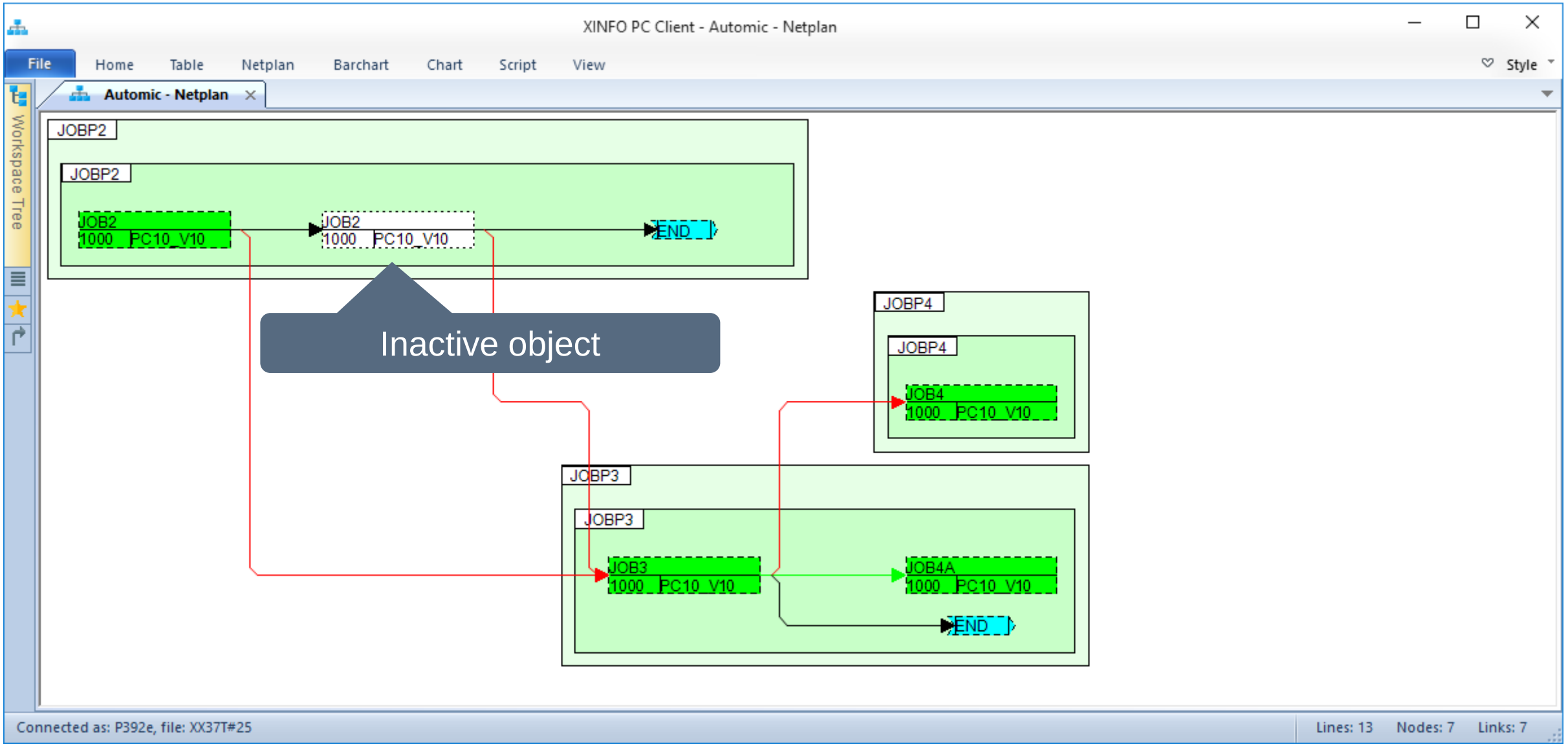
HORIZONT
Classification: Restricted

Automic – Description ‘Post Script Activation’



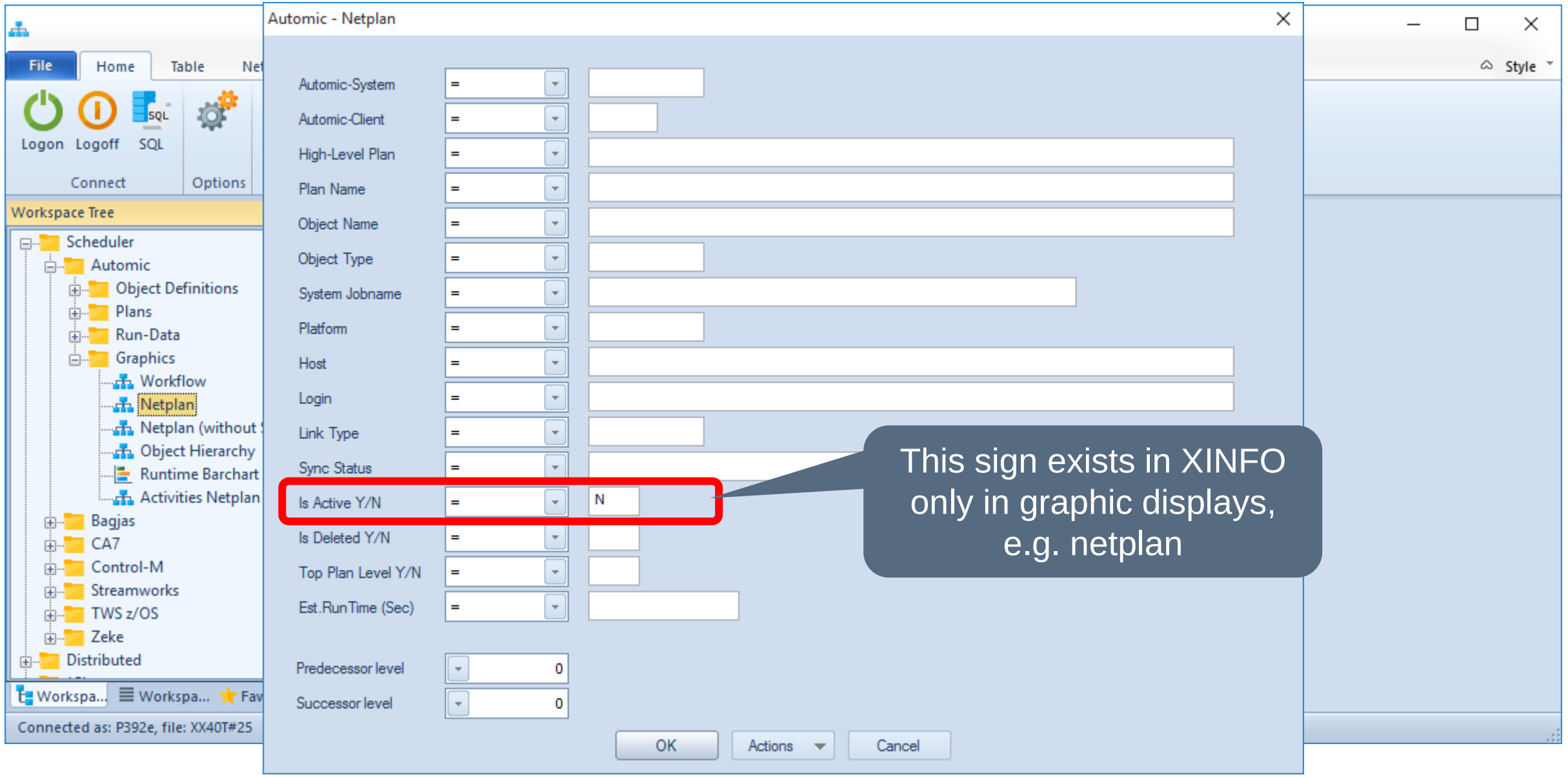
HORIZONT
Classification: Restricted

Automic – Description of inactive Objects



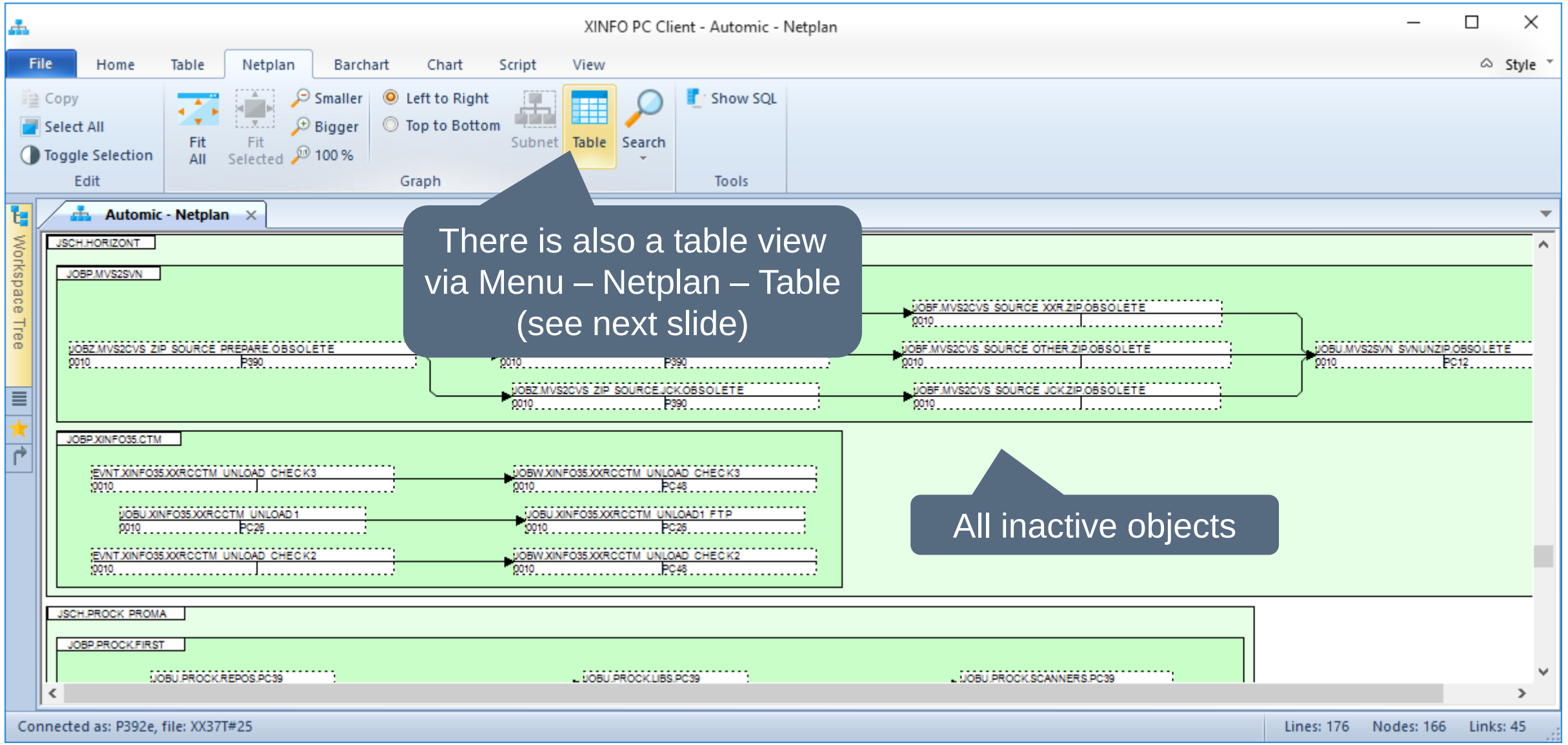
HORIZONT
Classification: Restricted

Automic – Search for inactive Objects



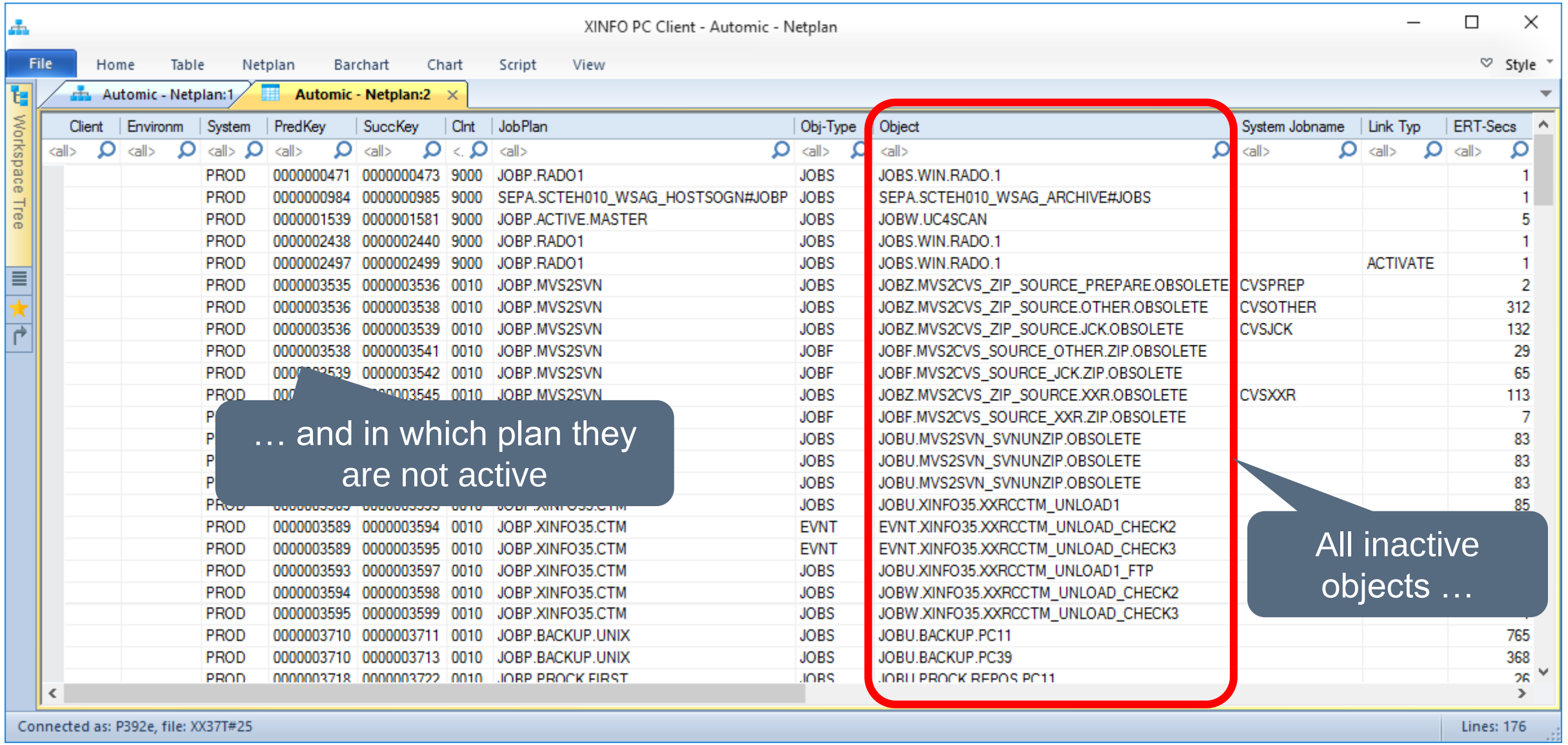
HORIZONT Classification: Restricted

Automic – Search for inactive Objects



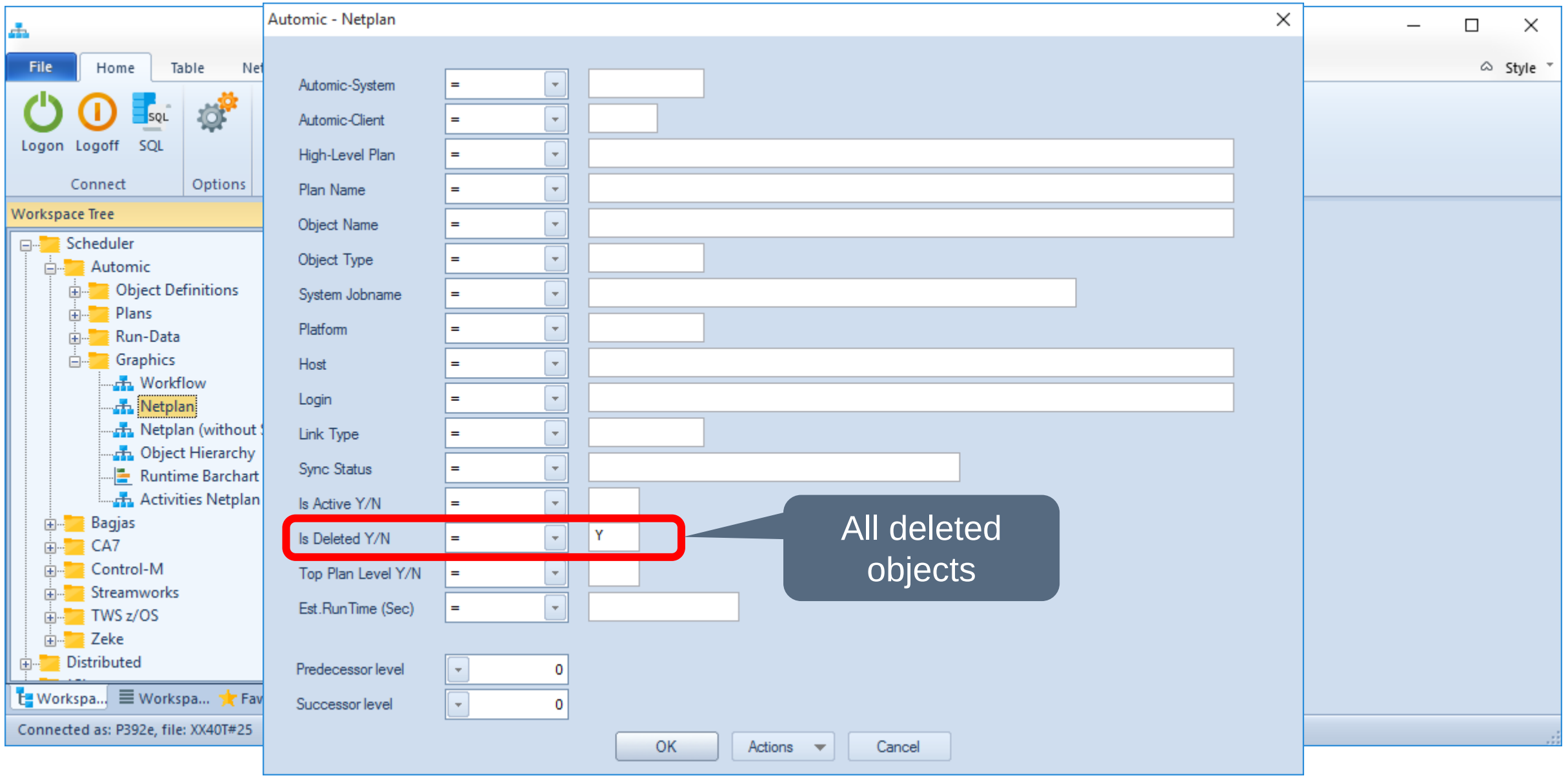
HORIZONT
Classification: Restricted

Automic – Search for inactive Objects



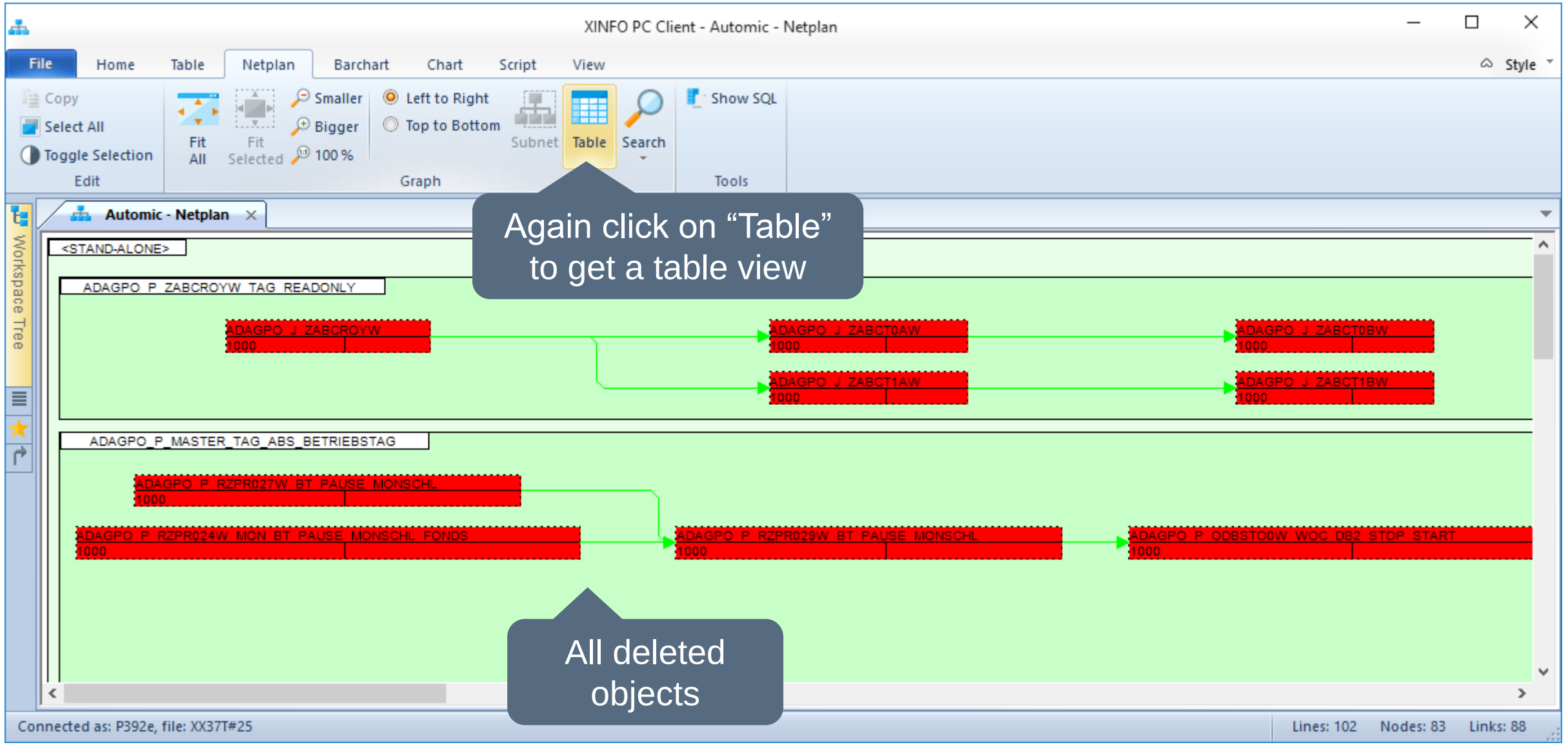
HORIZONT
Classification: Restricted

Automic – Deleted Objects



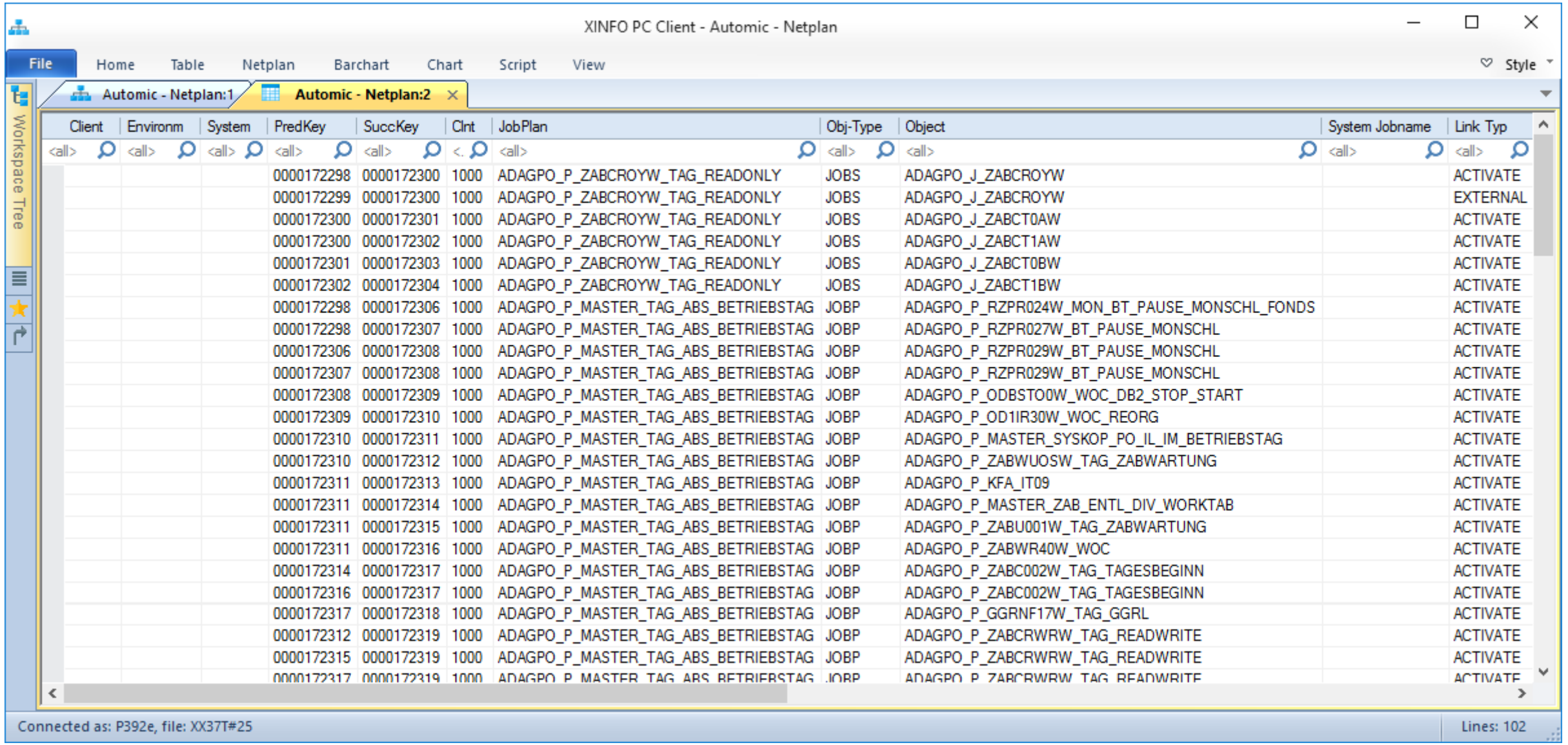
HORIZONT Classification: Restricted

Automic – Deleted Objects



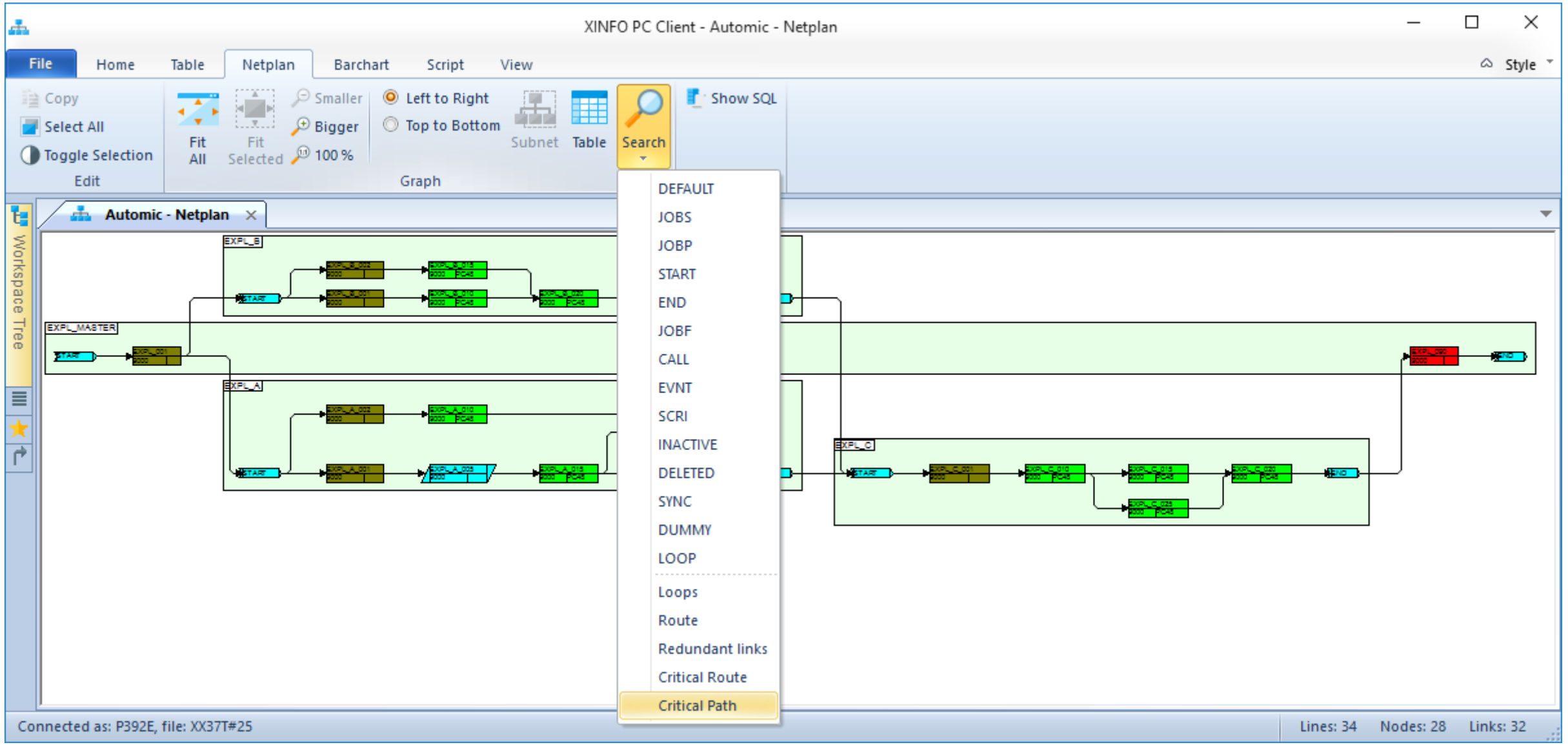
HORIZONT
Classification: Restricted

Automic – Deleted Objects



Classification: Restricted

Critical Path in Automic Job Netplan



HORIZONT
Classification: Restricted

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

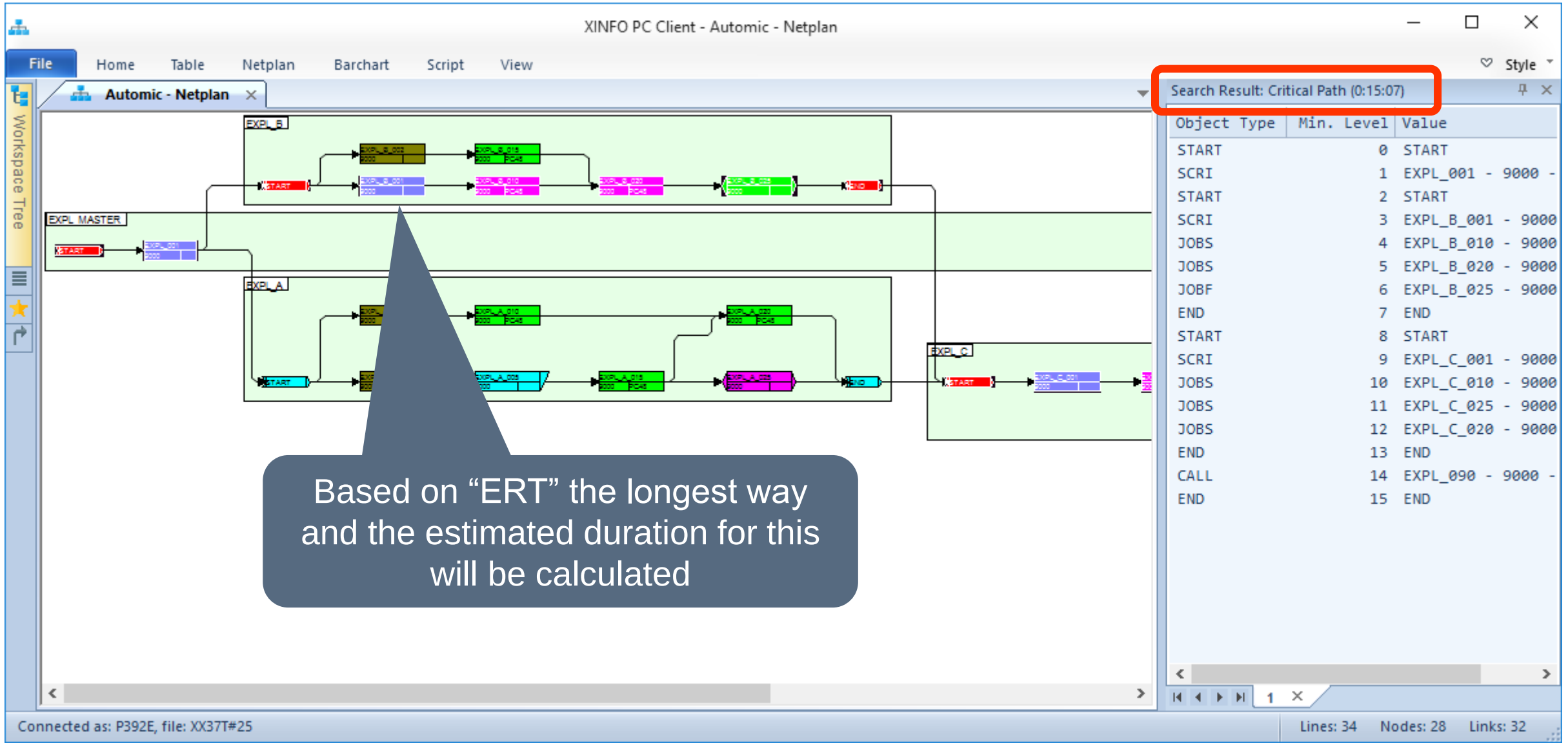
HORIZONT Classification: Restricted

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 the can also be started from a command line.

Classification: Restricted

Critical Path in Automic Job Netplan



HORIZONT
Classification: Restricted

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 */
```

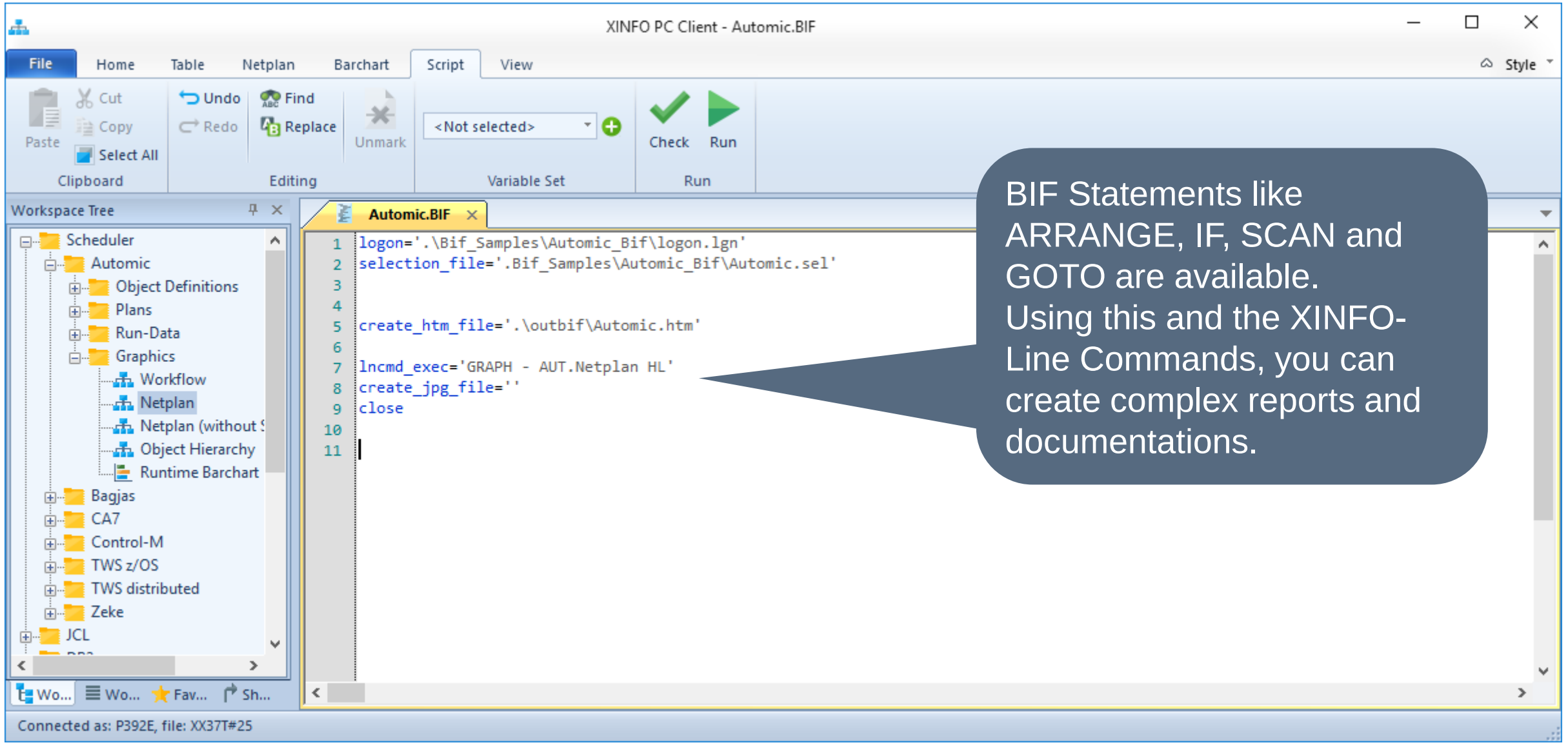
Encrypted logon-Data

A saved selection

Output file name and type

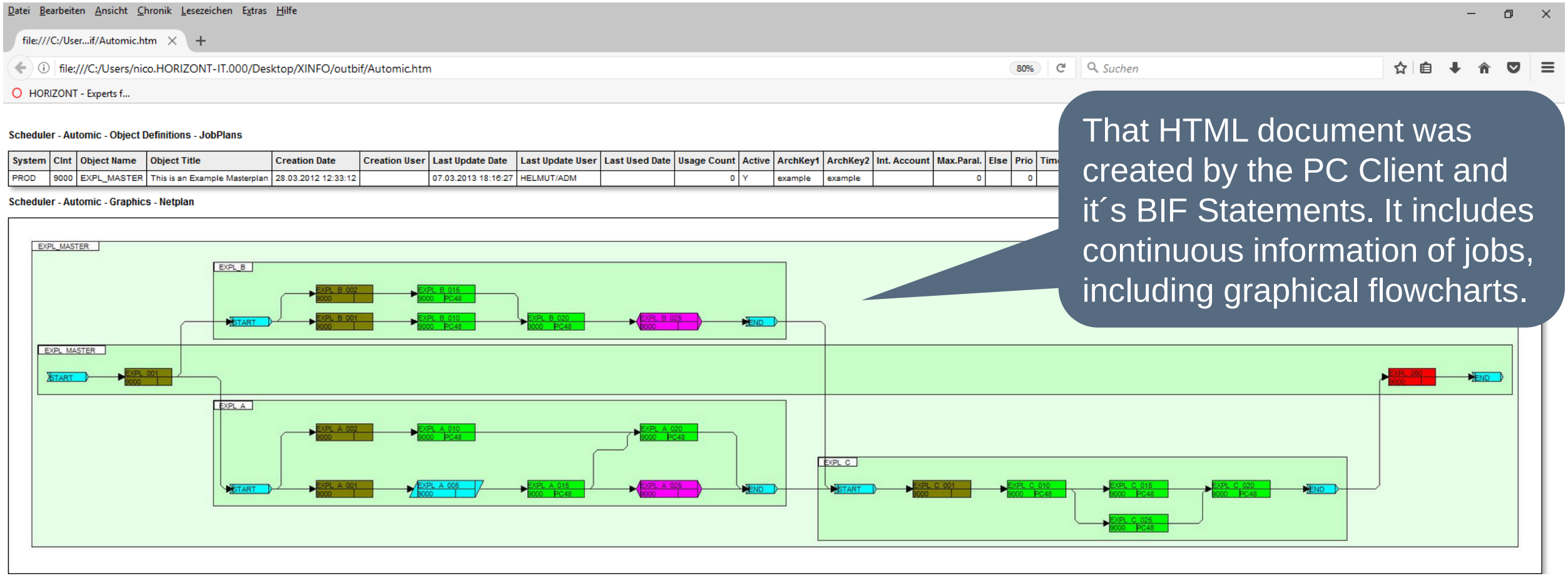
HORIZONT Classification: Restricted

XINFO – Batch Interface



HORIZONT
Classification: Restricted

XINFO – Automic Documentation



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

HORIZONT Classification: Restricted

Thanks for your attention! Do you have any questions?

HORIZONT

Please feel free to visit us in Munich or send an email to

info@horizont-it.com