



HORIZONT

XINFO – Scanner z/OS – CA-7

Preamble

This presentation gives a comprehensive overview of XINFO's information about CA-7 Scheduler.

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 z/OS –
CA-7**

Cross references

Job Netplan

SCHIDs and triggering

Pred/Succ Netplan

Critical Path

XINFO is an Add-on to CA-7 and offers:

- Easy-to-read job netplans to analyze and optimize your jobflow definitions.
- Fast search functions. All attributes can be used in queries, e.g.
 - Which jobs didn't run for a while
 - Which jobs have EXEC=N
- Control your naming conventions and standards automatically
 - e.g. check if JCL ID is correct
- Allows „non-experts“ easy access to CA-7 definitions

XINFO and CA-7

The CA-7 Interface reads CA-7 VSAM files or CA-7 tables in CA Datacom and analyzes following data:

- Job Definitions
- Job Scheduling Parameters
- Job and Dataset Triggering
- Job Execution Requirements
- Job/Step/Program information (CA-7 JCL)
- Job/DD/DSN information (CA-7 JCL)
- Virtual Resource usage
- Workload Documentation, Prose
- In addition to that XINFO's JCL scanner delivers information about Scheduled Overrides (#JI, #JO)

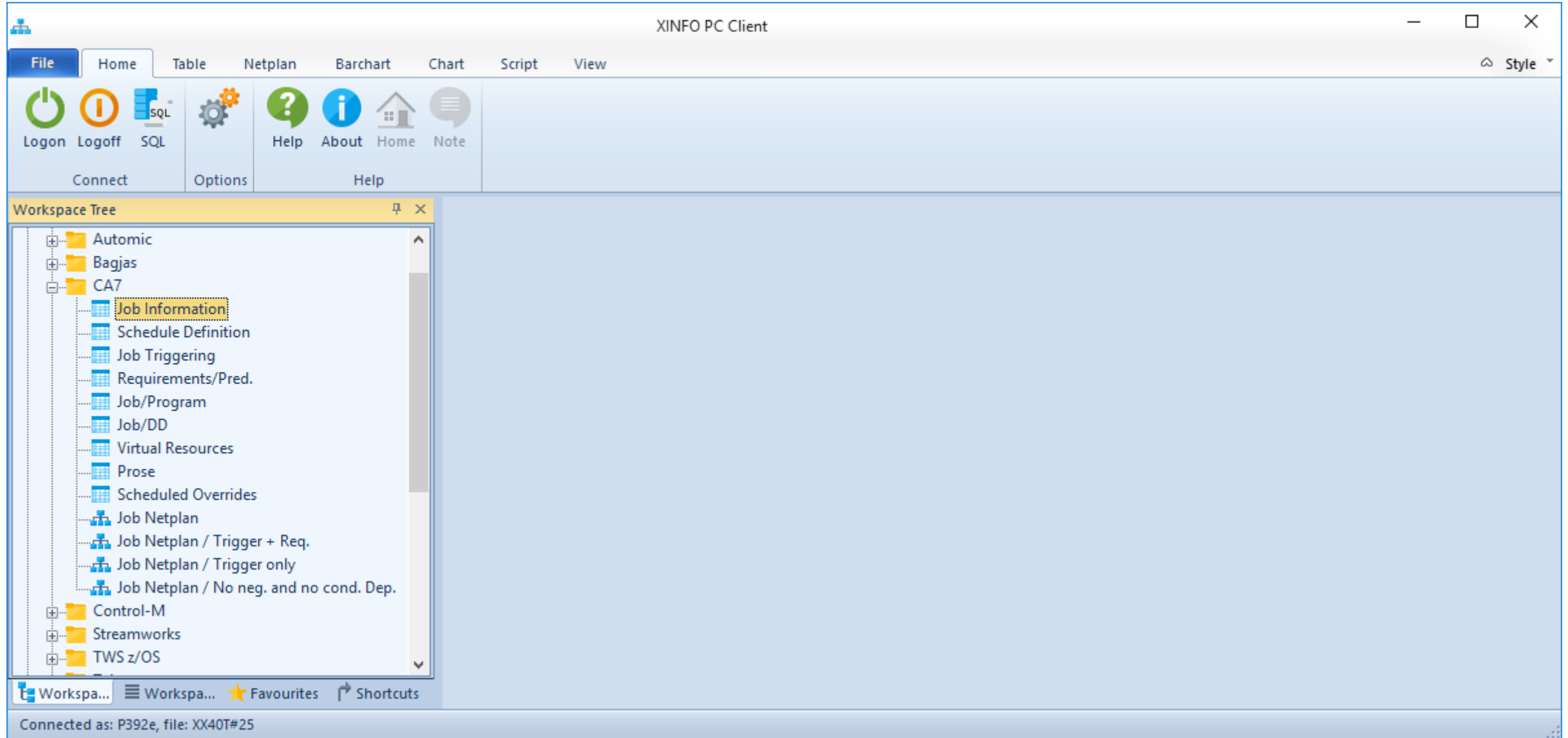
CA-7 Selection

The screenshot displays the XINFO PC Client interface. The top menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. Below the menu is a toolbar with icons for Logon, Logoff, SQL, Options, Help, About, Home, and Note. The main workspace area shows a tree view of the system structure. The 'CA7' folder is expanded, and its sub-items are highlighted with red boxes. Callout labels point to these items:

- Cross reference for CA-7 Jobs** (points to Job Information)
- Cross reference for CA-7 JCL** (points to Schedule Definition)
- Resources** (points to Job/Program)
- Documentation** (points to Job/DD)
- Netplans** (points to Job Netplan / Trigger + Req.)

Other items in the CA7 folder include Job Triggering, Requirements/Pred., Virtual Resources, and Prose. Below the CA7 folder are Job Netplan, Job Netplan / Trigger + Req., Job Netplan / Trigger only, and Job Netplan / No neg. and no cond. Dep. The bottom status bar shows 'Connected as: P392e, file: XX40T#25'.

Search for jobs by using job attributes



Search for jobs by using job attributes

CA7 - Job Information

Jobname	=	<input type="text"/>
System	=	<input type="text"/>
Jobnet	=	<input type="text"/>
Owner	=	H*
UID	=	<input type="text"/>
JCL-ID	=	<input type="text"/>
JCL-Library	=	<input type="text"/>
JCL-Member	=	<input type="text"/>
Load Step to be exe	=	<input type="text"/>
Exec	=	N
Keep JCL in PRRN/Q	=	<input type="text"/>
Job HOLD in REQQ	=	<input type="text"/>
JCL override req.	=	<input type="text"/>
Use Override-Lib	=	<input type="text"/>
Manual verification	=	<input type="text"/>
Maint only	=	<input type="text"/>

Schd. Res. required =

Comp. trig. other =

Sat. Lead Time Job =

Auto-Gen. 7 RMS =

Cond-Code =

RO =

Dont sched bef. Date = DD.MM.YYYY

Dont sched bef. Time = HH:MM

Dont sched aft. Date = DD.MM.YYYY

Dont sched aft. Time = HH:MM

Terminal =

Res. to be listed =

OK Actions Cancel

Search all jobs with Owner = H*
And EXEC = N

Result – Job Information

The screenshot shows the XINFO PC Client interface for CA7 Job Information. The window title is "XINFO PC Client - CA7 - Job Information". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various tools like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, New, Library, Explorer, and Chart. The main area displays a table with columns: Jobname, System, Jobnet, Owner, UID, JID, JCL-Library, JCL-Memb, L, E, J, H, O, u, v, M, S, T, LJ, LD, Arfset, M-ID, R, CC, RO, DSCHB, D.schd B-D, and -Time. The table lists jobs A300 through V300. Red boxes highlight the Jobname, Owner, and E columns. A callout box points to the highlighted rows with the text "The jobs meeting your selection criteria".

Jobname	System	Jobnet	Owner	UID	JID	JCL-Library	JCL-Memb	L	E	J	H	O	u	v	M	S	T	LJ	LD	Arfset	M-ID	R	CC	RO	DSCHB	D.schd B-D	-Time
A300	MD2		HORIZONT	000	000		A300	Y	N	N	N	N	N	N	N	N	Y				ALL	N			00000		
B300	MD2		HORIZONT	000	000		B300	Y	N	N	N	N	N	N	N	N	Y				ALL	N			00000		
C300	MD2		HORIZONT	000	000		C300	Y	N	N	N	N	N	N	N	N					ALL	N			00000		
D300	MD2		HORIZONT	000	000		D300	Y	N	N	N	N	N	N	N	N					ALL	N			00000		
HALLJOBA	CTIM0001	HALLJNET	HALLOWNR	254	255	&MYPRODJCL	HALLJOBA	Y	N	Y	Y	Y	Y	Y	Y	N	N	15	15		SY1	N	0001	EQ	11222	10.08.2011	11:11
HALLJOB B	CTIM0059	HALLJNET	HALLOWNR	254	255	&MYPRODJCL	HALLJOB B	Y	N	Y	Y	Y	Y	Y	Y	N	N	15	15		SY1	N	0001	EQ	11222	10.08.2011	11:11
HALLJOB C	CTIM0100	HALLJNET	HALLOWNR	254	255	&MYPRODJCL	HALLJOB C	Y	N	Y	Y	Y	Y	Y	Y	N	N	15	15		SY1	N	0001	EQ	11222	10.08.2011	11:11
HALLJOB D	CTIM0159	HALLJNET	HALLOWNR	254	255	&MYPRODJCL	HALLJOB D	Y	N	Y	Y	Y	Y	Y	Y	N	N	15	15		SY1	N	0001	EQ	11222	10.08.2011	11:11
HALLJOB M	HALLSYST	HALLJNET	HALLOWNR	254	255	&MYPRODJCL	HALLMEM2	Y	N	Y	Y	Y	Y	Y	Y	N	N	15	15		SY1	N	0001	EQ	11222	10.08.2011	11:11
HALLJOB N	HALLSYST	HALLJNET	HALLOWNR	254	253		HALLJOB N	Y	N	Y	Y	Y	Y	Y	Y	N	N	15	15		SY7	N	0002	NE	11222	10.08.2011	11:11
S300	MD2		HORIZONT	000	000		S300	Y	N	N	N	N	N	N	N	N	Y				ALL	N			00000		
V300	MD2		HORIZONT	000	000		V300	Y	N	N	N	N	N	N	N	N	Y				ALL	N			00000		

The jobs meeting your selection criteria

Result – Job Information

The screenshot shows a window titled 'Details' with a table of job attributes. The table has two columns: 'Name' and 'Value'. The attributes listed include Jobname, System, Jobnet, Owner, UID, JCL-ID, JCL-Library, JCL-Member, Load Step to be exe, Exec, Keep JCL in PRRN/Q, Job HOLD in REQQ, JCL override req., Use Override-Lib, Manual verification, Maint only, Schd. Res. required, Comp. trig. other, Sat. Lead Time Job, Sat. Lead Time DSN, Arfset, Main-ID, Auto-Gen. 7 RMS, Cond-Code, RO, Dont sched bef. Date, Dont sched bef. Date, Dont sched bef. Time, and Dont sched aft. Date. A callout bubble points to the 'Manual verification' row with the text: 'Double click on a line brings up a detailed view including all 59 (!) attributes'. At the bottom of the window are buttons for 'OK', 'Copy', 'Print...', and 'Save As...'.

Name	Value
Jobname	HALLJOBA
System	CTIM0001
Jobnet	HALLJNET
Owner	HALLOWNR
UID	254
JCL-ID	255
JCL-Library	&MYPRODJCL
JCL-Member	HALLJOBA
Load Step to be exe	Y
Exec	N
Keep JCL in PRRN/Q	Y
Job HOLD in REQQ	Y
JCL override req.	Y
Use Override-Lib	Y
Manual verification	Y
Maint only	Y
Schd. Res. required	N
Comp. trig. other	N
Sat. Lead Time Job	15
Sat. Lead Time DSN	15
Arfset	
Main-ID	SY1
Auto-Gen. 7 RMS	N
Cond-Code	0001
RO	EQ
Dont sched bef. Date	11222
Dont sched bef. Date	10.08.2011
Dont sched bef. Time	11:11
Dont sched aft. Date	22111

Search for jobs by using schedule definitions

The screenshot displays the XINFO PC Client interface. The 'Workspace Tree' on the left side lists various project folders and sub-items. The 'CA7' folder is expanded, showing several sub-items. The 'Schedule Definition' item is highlighted with a yellow border. A dark blue callout box with white text points to this item, containing the text 'Select Schedule Definition'. The software title bar reads 'XINFO PC Client' and the status bar at the bottom shows 'Connected as: P392e, file: XX40T#25'.

Select Schedule Definition

Search for jobs by using schedule definitions

CA7 - Schedule Definition

Jobname	=	▼		
SCHID	=	▼		
Job or Network	=	▼		
Station (NWK)	=	▼		
Calendar	=	▼		
SCAN	=	▼		
Roll on nonavl.Day	=	▼		
Index (+/-)	=	▼		
Index	=	▼		
Due out Time	=	▼		HH:MM
Lead Time	=	▼		HH:MM
Submit Time	=	▼		HH:MM
Start Time	=	▼		HH:MM
daily	=	▼		
weekly	=	▼		
Sunday	=	▼		
Monday	=	▼		

Tuesday	=	▼		
Wednesday	=	▼		
Thursday	=	▼		
Friday	=	▼		
Saturday	=	▼		
monthly	=	▼		
JAN	=	▼		
FEB	=	▼		
MAR	=	▼		
APR	=	▼		
MAY	=	▼		
JUN	=	▼		
JUL	=	▼		
AUG	=	▼		
SEP	=	▼		
OCT	=	▼		

OK Actions ▼ Cancel

All parameters can be used as selection criteria

Search for jobs using trigger parameters

The screenshot displays the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The ribbon contains various tool groups: "Edit" (Copy, Select All, Toggle Selection), "Table Layout" (Customize, Use Default, Use Custom), "Table Functions" (Group, Statistics, All), "Tools" (Show SQL, Inverse Filter), and "Chart" (New, Library, Explorer). On the left, the "Workspace Tree" pane shows a hierarchical view of the system. Under the "CA7" folder, the "Job Triggering" item is highlighted with a yellow border. A dark blue callout box with white text "Select Job Triggering" points to this item. The status bar at the bottom indicates "Connected as: P392e, file: XX40T#25".

Select Job Triggering

Search for jobs by using trigger parameters

The screenshot shows the 'CA7 - Job Triggering' dialog box in a software application. The dialog has a title bar with a close button and a 'Style' dropdown. The main area contains a list of fields for job triggering, each with a dropdown menu and a text input field. Two fields are highlighted with red rectangles: 'Type (Job/DSN/NW)' with the value 'DSN' and 'Trg. by DSN' with the value '*CA*'. A dark blue speech bubble points to these fields with the text 'Search all jobs that are triggered by datasets named *CA*'. The background shows a workspace tree with folders like 'Automatic', 'Bagjas', and 'CA7', and a menu bar with 'File', 'Home', 'Table', and 'Netplan'.

Field	Value
Jobname	
Type (Job/DSN/NW)	DSN
SCHID	
TRGID	
Trg. by Job	
Trg. by NW	
Trg. by DSN	*CA*
Trg. by DSNBR	
Due out Time	
Queue Time	
Lead Time	
Submit Time	
JCL-ID	
JCL-DSN	
JCL-DSORG	
JCL-Member	
CA7 Subsystem	

Search all jobs that are triggered by datasets named *CA*

Result – Job Triggering

XINFO PC Client - CA7 - Job Triggering

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

CA7 - Job Triggering

Jobname	Typ	SID	TID	Trg.by-J	Trg.by-N	Trg.by-DSN	Trg.DSNBR	DOTM	QTM	LDTM	SUBTM	JID	JCL-DSN	Org	JCL-Memb	SubS
<all>	<...>	<...>	<...>	<all>	<all>	<all>	<all>	<...>	<all>	<all>	<all>	<all>	<all>	<...>	<all>	<...>
CA07XX03	DSN	000				SYSH.CA7.V3R3.U7TEST02	00000006		01:00	00:30		200	SYSH.CA7.V3R3.JCLLIB	CA07XX03	HOR7	
CA07XX04	DSN	000				SYSH.CA7.V3R3.U7TEST02	00000006		01:00	00:30		200	SYSH.CA7.V3R3.JCLLIB	CA07XX04	HOR7	
CA07XX10	DSN	000				SYSH.CA7.V3R3.U7TEST09	00000007		01:00	00:30		200	SYSH.CA7.V3R3.JCLLIB	CA07XX10	HOR7	

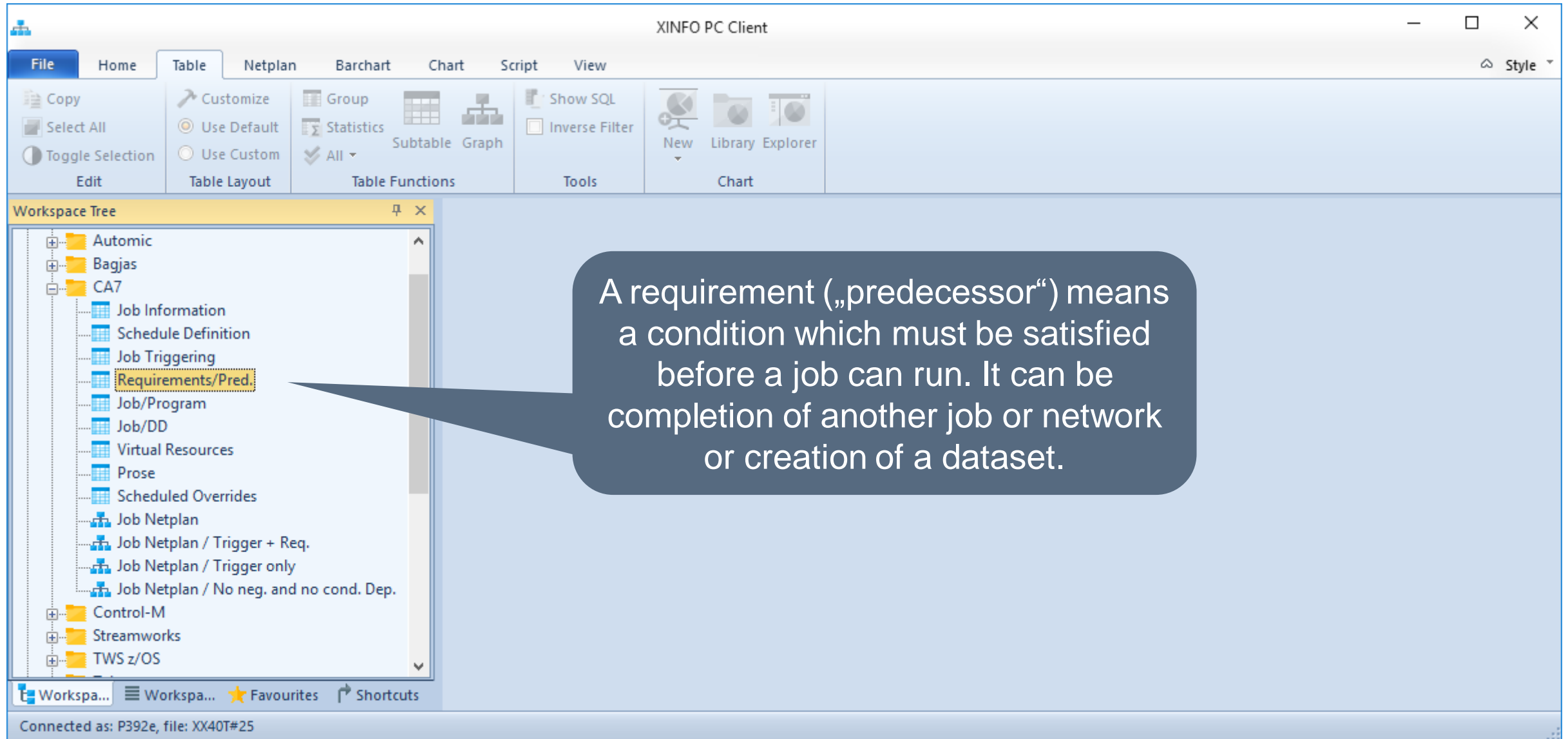
Workspace Tree

Connected as: P392e, file: XX40T#25

Lines: 3

The jobs meeting your selection criteria

Search for jobs by using pred requirements



The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left lists various job categories, with 'Requirements/Pred.' highlighted. A callout box provides a definition: 'A requirement („predecessor“) means a condition which must be satisfied before a job can run. It can be completion of another job or network or creation of a dataset.'

Workspace Tree

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

Connected as: P392e, file: XX40T#25

Search for jobs by using pred requirements

CA7 - Requirements/Pred. [X]

Jobname	=	
TypeJOB/DSN/NWK/USR	=	
SCHID	=	
Lead Time	=	
Next YES/SKIP/ONLY	=	
Pred. Job	=	
Type /	=	
Pred. DSN	=	SYSH.CA7*
Pred. DSNBR	=	
DSN PERM	=	
Created by	=	

Network	=	
NW SCHID	=	
NWKBR	=	
Input/Output	=	
Pred. User Req.	=	
SUBID	=	
JCL-ID	=	
JCL-DSN	=	
JCL-DSORG	=	
JCL-Member	=	
CA7 Subsystem	=	

OK Actions ▾ Cancel

Search all jobs with pred DSN SYSH.CA7*

Result - Requirements

XINFO PC Client - CA7 - Requirements/Pred.

File Home Table Netplan Barchart Chart Script View Style

CA7 - Requirements/Pred.

Jobname	Typ	SID	LDTM	Next	Pred.Job	/	Pred. DSN	Pr.DSNBR	P	Crejob	Network	NID	NWKBR	T	SUB	Pred. User Requirement	JID	JCL-DSN	Org
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
CA07XX02	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST01	00000008	N	CA07XX01							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX03	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST02	00000006	N	CA07XX01							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX04	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST02	00000006	N	CA07XX01							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX05	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST03	00000010	N	CA07XX02							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX05	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST04	00000012	N	CA07XX03							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX06	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST05	00000015	N	CA07XX05							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX06	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST06	00000013	N	CA07XX04							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX06	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST02	00000006	N	CA07XX01							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX07	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST07	00000016	N	CA07XX06							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX07	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST05	00000015	N	CA07XX05							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX07	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST06	00000013	N	CA07XX04							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX07	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST11	00000014	N	CA07XX10							200	SYSH.CA7.V3R3.JCLLIB	
CA07XX09	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST08	00000009	N	CA07XX08								CA7.V3R3.JCLLIB	
CA07XX10	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST09	00000007	N	CA07XX08								CA7.V3R3.JCLLIB	
CA07XX10	DSN	000	0	YES			SYSH.CA7.V3R3.U7TEST10	00000011	N	CA07XX09								CA7.V3R3.JCLLIB	
DJOB01	DSN	000	0	YES			SYSH.CA7.V3R3.CAILIB	00000024	P									CA7.JOBLIB	
DJOB01	DSN	000	0	YES			SYSH.CA7.V3R3.COMMDS	00000025	N									CA7.JOBLIB	
DJOB07	DSN	000	0	YES			SYSH.CA7.V3R3.CAILIB	00000024	P									CA7.JOBLIB	

Workspace Tree

Connected as: P392e, file: XX40T#25

Lines: 18

The jobs meething your selection criteria

Example: Here you can check if the correct DSN are set to „permanent“

CA-7 JCL DSN Cross Reference

XINFO PC Client - CA7 - Job/DD

Jobname	St	DD	DD-Name	Type	DSNBR	DSP	DEV	DSN	Mem/Gen.	ORG	RFM	LRECL	BLKSZ	JID	JCL-DSN	Org	JCL-Memb	SubS
<all>			<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
BAG03	1	1	BAG03O	NORMAL	00000040	NEW	DASD	P390A.CA7.TEST.BAG03O		PS	FB	0	0	000	SYSH.CA7.JOBLIB		BAG03	HOR7
BAG04	1	1	BAG03I	NORMAL	00000040	SHR	DASD	P390A.CA7.TEST.BAG03O		PS	FB	0	0	000	SYSH.CA7.JOBLIB		BAG04	HOR7
BAG04	2	1	BAG04O	NORMAL	00000043	NEW	DASD	P390A.CA7.TEST.\$AG04O		PS	FB	0	0	000	SYSH.CA7.JOBLIB		BAG04	HOR7
CAG02	1	1	CAG02O	NORMAL	00000036	NEW	DASD	P390A.CA7.TEST.CAG02O		PS	FB	0	0	000	SYSH.CA7.JOBLIB		CAG02	HOR7
CAG03	1	1	CAG03O	NORMAL	00000037	NEW	DASD	P390A.CA7.TEST.CAG03O		PS	FB	0	0	000	SYSH.CA7.JOBLIB		CAG03	HOR7
CAG03	2	1	XAG02I	NORMAL	00000035	SHR	DASD	P390A.CA7.TEST.XAG02O		PS	FB	0	0	000	SYSH.CA7.JOBLIB		CAG03	HOR7
CAG04	1	1	CAG04O	NORMAL	00000043	NEW	DASD	P390A.CA7.TEST.\$AG04O		PS	FB	0	0	000	SYSH.CA7.JOBLIB		CAG04	HOR7
CAG04	2	1	CAG03I	NORMAL	00000037	SHR	DASD	P390A.CA7.TEST.CAG03O		PS	FB	0	0	000	SYSH.CA7.JOBLIB		CAG04	HOR7
CA07LOGP	1	1	STEPLIB	NORMAL	00000001	SHR	DASD	P390A.CA7.V2R3M2.CAILIB				0	0	200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	2	SORTLIB	NORMAL	00000017	SHR	DASD	SYS1.SORTLIB				0	0	200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	3	SYSLIST	SYSOUT										200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	4	SYSOUT	SYSOUT										200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	5	SYSUDUMP	SYSOUT										200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	6	SORTWK01	TEMP		NEW	DASD							200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	7	SORTWK02	TEMP		NEW	DASD							200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	8	SORTWK03	TEMP		NEW	DASD							200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	9	SORTWK04	TEMP		NEW	DASD							200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	10	SORTWK05	TEMP		NEW	DASD							200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	11	SORTWK06	TEMP		NEW	DASD							200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	12	CNTLREPT	SYSOUT										200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	13	LOGIN	NORMAL	00000004	SHR	DASD	P390A.CA7.V2R3M2.LOGP				0	0	200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	14	HISTIN	NORMAL	00000002	SHR	DASD	P390A.CA7.V2R3M2.LOGTAPE	+0	PS	VB	2100	32760	200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGP	1	15	HISTOUT	NORMAL	00000002	NEW	DASD	P390A.CA7.V2R3M2.LOGTAPE	+1	PS	VB	2100	32760	200	SYSH.CA7.V3R3.JCLLIB		CA07LOGP	HOR7
CA07LOGS	1	1	STEPLIB	NORMAL	00000001	SHR	DASD	P390A.CA7.V2R3M2.CAILIB				0	0	200	SYSH.CA7.V3R3.JCLLIB		CA07LOGS	HOR7
CA07LOGS	1	2	SORTLIB	NORMAL	00000017	SHR	DASD	SYS1.SORTLIB				0	0	200	SYSH.CA7.V3R3.JCLLIB		CA07LOGS	HOR7

Connected as: P392e, file: XX40T#25 Lines: 161

Usage of Virtual Resources

XINFO PC Client - CA7 - Virtual Resources

File Home Table Netplan Barchart Chart Script View

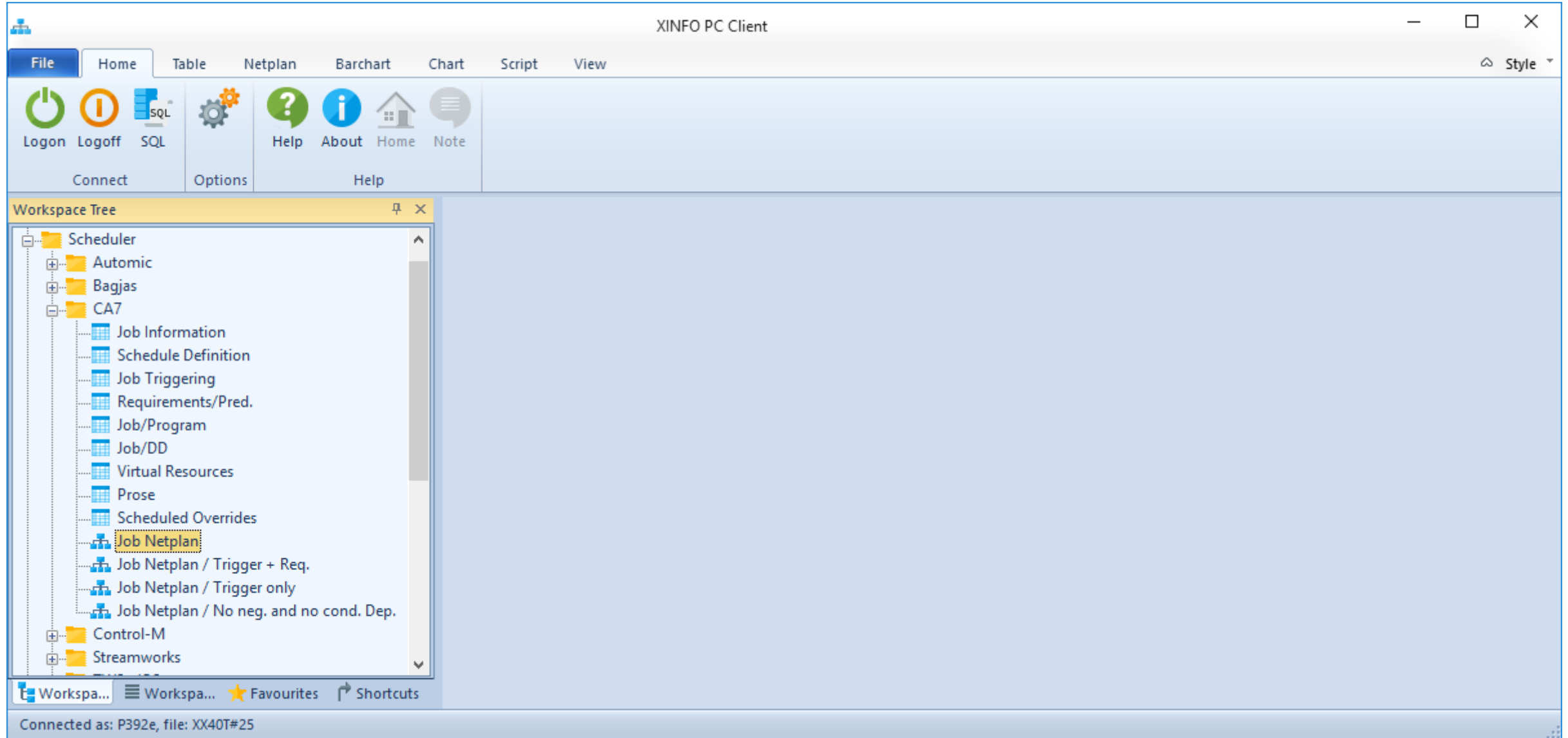
CA7 - Virtual Resources

Jobname	SID	Resource	CNT	Typ	F	Step	JID	JCL-DSN	Org	JCL-Memb	SubS
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
ABAM6060	000	ABAGPROD		EXC	F		210			ABAM6060	TST7
ABAM6060	000	UCMDABA		CRQ	A		210			ABAM6060	TST7
ABAM6060	000	UCMDPROD		CRQ	A		210			ABAM6060	TST7
ABAT0305	000	IMSABMP		CRQ	A		210			ABAT0305	TST7
ABAT0305	000	SWIP0010		EXC	F		210			ABAT0305	TST7
ABAT0320	000	IMSABMP		CRQ	A		210			ABAT0320	TST7
ABAT0320	000	SWIP0010		EXC	F		210			ABAT0320	TST7
ABAT0330	000	IMSABMP		CRQ	A		210			ABAT0330	TST7
ABAT0330	000	SWIP0010		EXC	F		210			ABAT0330	TST7
ABAT0500	000	IMSABMP		CRQ	A		210			ABAT0500	TST7
ABAT0500	000	SWIP0010		EXC	F		210			ABAT0500	TST7
ABAT1320	000	IMSABMP		CRQ	A		210			ABAT0320	TST7
ABAT1320	000	SWIP0010		EXC	F		210			ABAT0320	TST7
ABAT1330	000	IMSABMP		CRQ	A		210			ABAT0330	TST7
ABAT1330	000	SWIP0010		EXC	F		210			ABAT0330	TST7
ABAT1500	000	IMSABMP		CRQ	A		210			ABAT0500	TST7
ABAT1500	000	SWIP0010		EXC	F		210			ABAT0500	TST7
ABAT2305	000	IMSABMP		CRQ	A		210			ABAT2305	TST7
ABAT2305	000	SWIP0010		EXC	F		210			ABAT2305	TST7
ABAT5300	000	IMSABMP		CRQ	A		210			ABAT5300	TST7
ABAT5300	000	SWIP0010		EXC	F		210			ABAT5300	TST7
▶ ABAT6100	000	ABAGPROD		EXC	F		210			ABAT6100	TST7
ABAT6100	000	UCMDABA		CRQ	A		210			ABAT6100	TST7
ABAT6100	000	UCMDPROD		CRQ	A		210			ABAT6100	TST7
ARAT6110	000	ABAGPROD		EXC	F		210			ARAT6110	TST7

Connected as: P392e, file: XX36D#14

Lines: 5000

CA-7 – Job Netplan

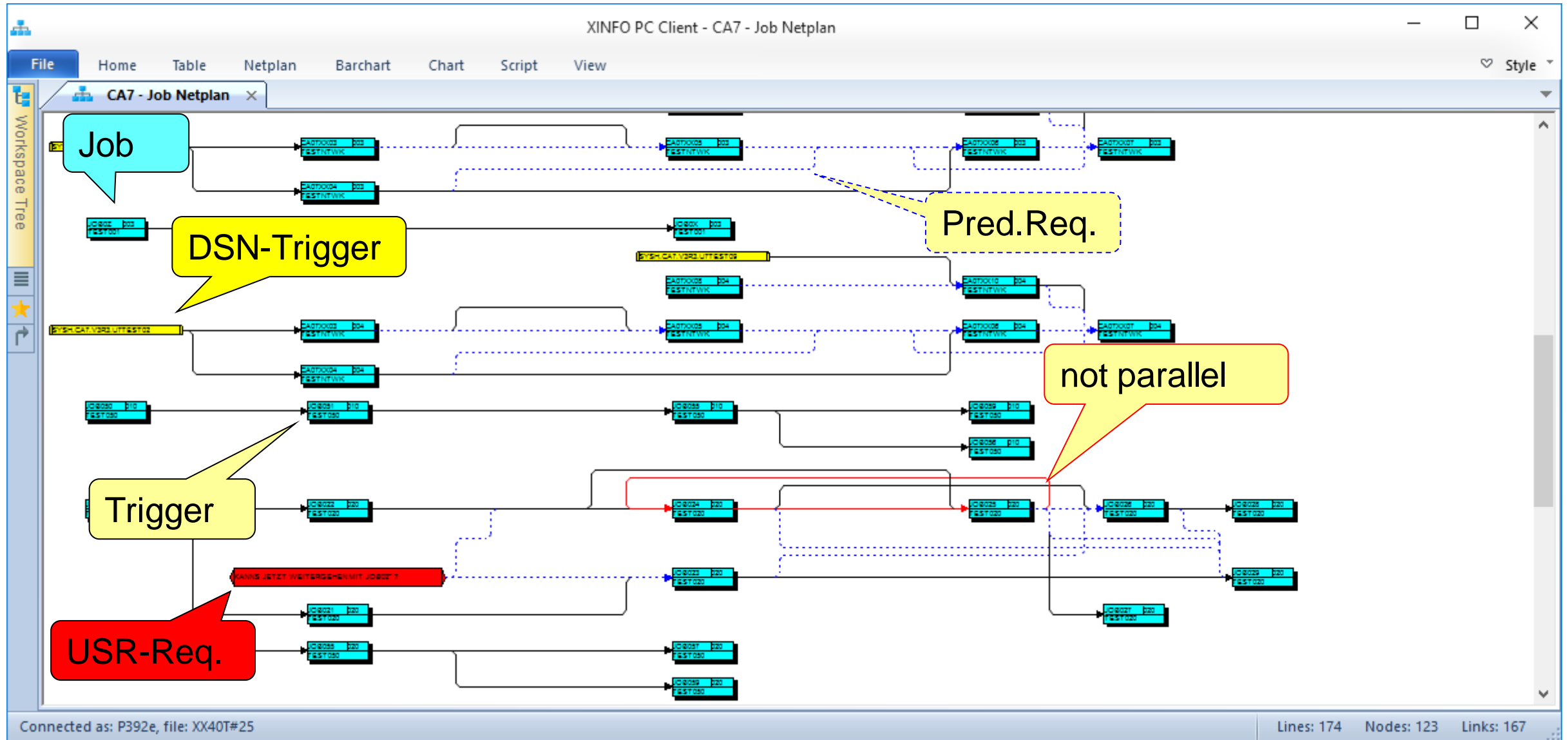


CA-7 – Job Netplan

The screenshot shows the XINFO PC Client interface with the 'CA7 - Job Netplan' dialog box open. The dialog box contains several fields for specifying job selection criteria. The 'System' field is highlighted with a red box, and a callout bubble points to it with the text 'Specify selection criteria'. The 'System' field contains the text 'TEST*'. Other fields include Jobname, SCHID, Jobnet, Owner, UID, Main-ID, Network, Trigger DSN, User Requirement, and CA7 Subsystem. At the bottom of the dialog box, there are buttons for 'OK', 'Actions', and 'Cancel'. The background shows the 'Workspace Tree' with 'Job Netplan' selected under the 'CA7' folder.

Field	Operator	Value
Jobname	=	
SCHID	=	
System	=	TEST*
Jobnet	=	
Owner	=	
UID	=	
Main-ID	=	
Network	=	
Trigger DSN	=	
User Requirement	=	
CA7 Subsystem	=	
Predecessor level		0
Successor level		0

CA-7 – Job Netplan



DEMAND/RUN in CA-7 Netplans

XINFO CA-7 combines CA-7 job definitions with the output from the JCL scanner and shows which JCLs schedule the CA-7 jobs.

Following CA-7 commands are analyzed:

- DEMAND/DEMANDH - schedule a job
- RUN/RUNH - schedule a job without verifying requirements and triggering new jobs

DEMAND/RUN in CA-7 Netplans

The screenshot displays the CA-7 Netplan interface. On the left, the 'Workspace Tree' shows a 'CA7 - Job Netplan' with a diagram where 'DJOB01 DEMAND' is connected to 'DJOB012 010', 'TESTXXX 001', and 'DJOB011 010'. The central window shows the JCL code for 'SYSH.CA7.JOBLIB(DJOB01)'. The code includes a DEMAND command for DJOB011 and a RUN command for TESTXXX. A legend on the right identifies various link types: TRIGGER-LINK, REQUIREMENT-LINK, NOTPARALLEL-LINK, DEMAND-LINK, CREATION-LINK, POST-LINK, RUN-LINK, and NOCONDREQ-LINK. Two callouts provide context: one points to the DEMAND command for DJOB011, stating 'DJOB011 is scheduled from DJOB01 by DEMAND command', and another points to the RUN command for TESTXXX, stating 'TESTXXX is scheduled from DJOB01 by RUN command'.

```
4 //SYSIN DD *
5 /LOGON MASTER
6 DEMAND, JOB=DJOB011, JCLID=0, SCHID=10
7 /LOGOFFIFY=P390K
8 /**
9 **-----
10 /** CA7 TESTJOB
11 **-----
12 //STEP1 EXEC PGM=IEFBR14
13 /**
14 /**
15 //CA7STEP2 EXEC CA7BTI
16 //SYSPRINT DD SYSOUT=*
17 //SYSIN DD *
18 /LOGON MASTER
19 DEMAND, JCLID=0,
20 SCHID=10, JOB=DJOB012, DEPJOB=DJOB011
21 /LOGOFF
22 /**THERE MUST BE A NONBLANK CHARACTER IN COL
23 /**MUST BEGIN IN COLUMN 1.
24 /**
25 //CA7STEP3 EXEC CA7BTI
26 //SYSPRINT DD SYSOUT=*
27 //SYSIN DD *
28 /LOGON MASTER
29 RUN, JOB=TESTXXX, JCLID=001
30 /LOGOFF
```

SCHIDs and triggering in CA-7 Netplans

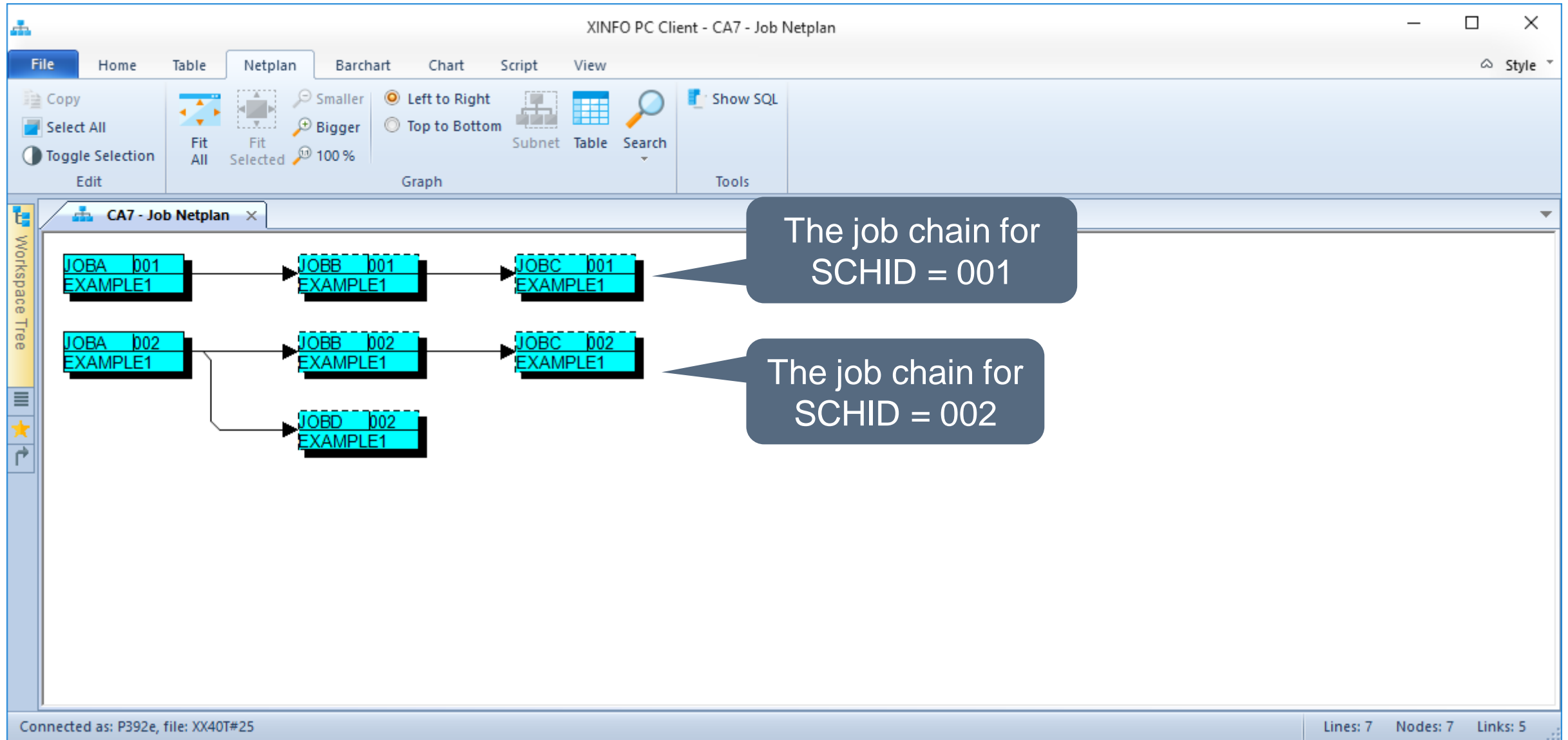
XINFO CA-7 generates a variant for every job and every schid. See example below and the matching netplan (next slide).

- JOBA runs Monday with 001 and Tuesday with 002

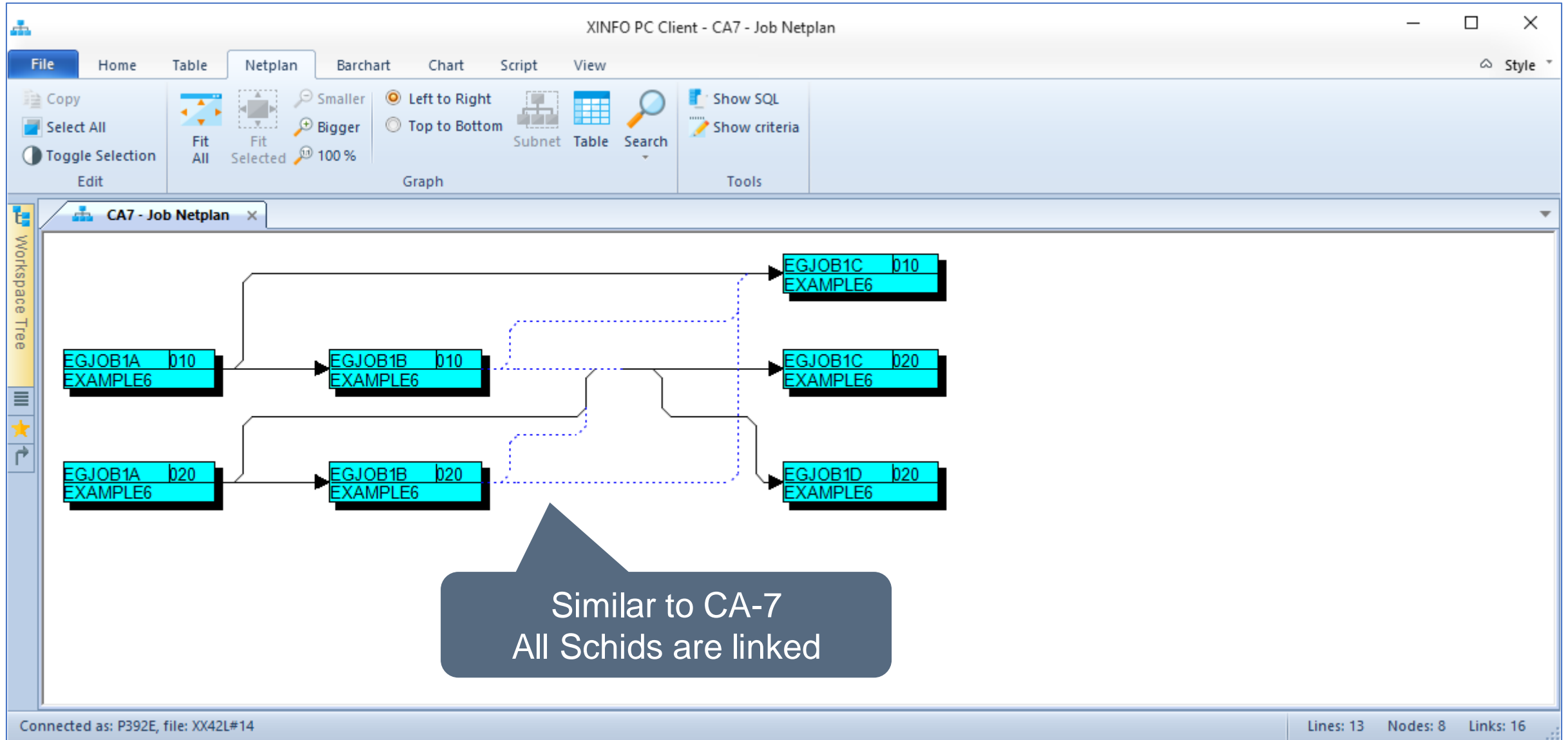
Following triggers are defined:

- JOBA SCHID = 000 -> JOBB
- JOBA SCHID = 000 -> JOBC
- JOBA SCHID = 002 -> JOBD

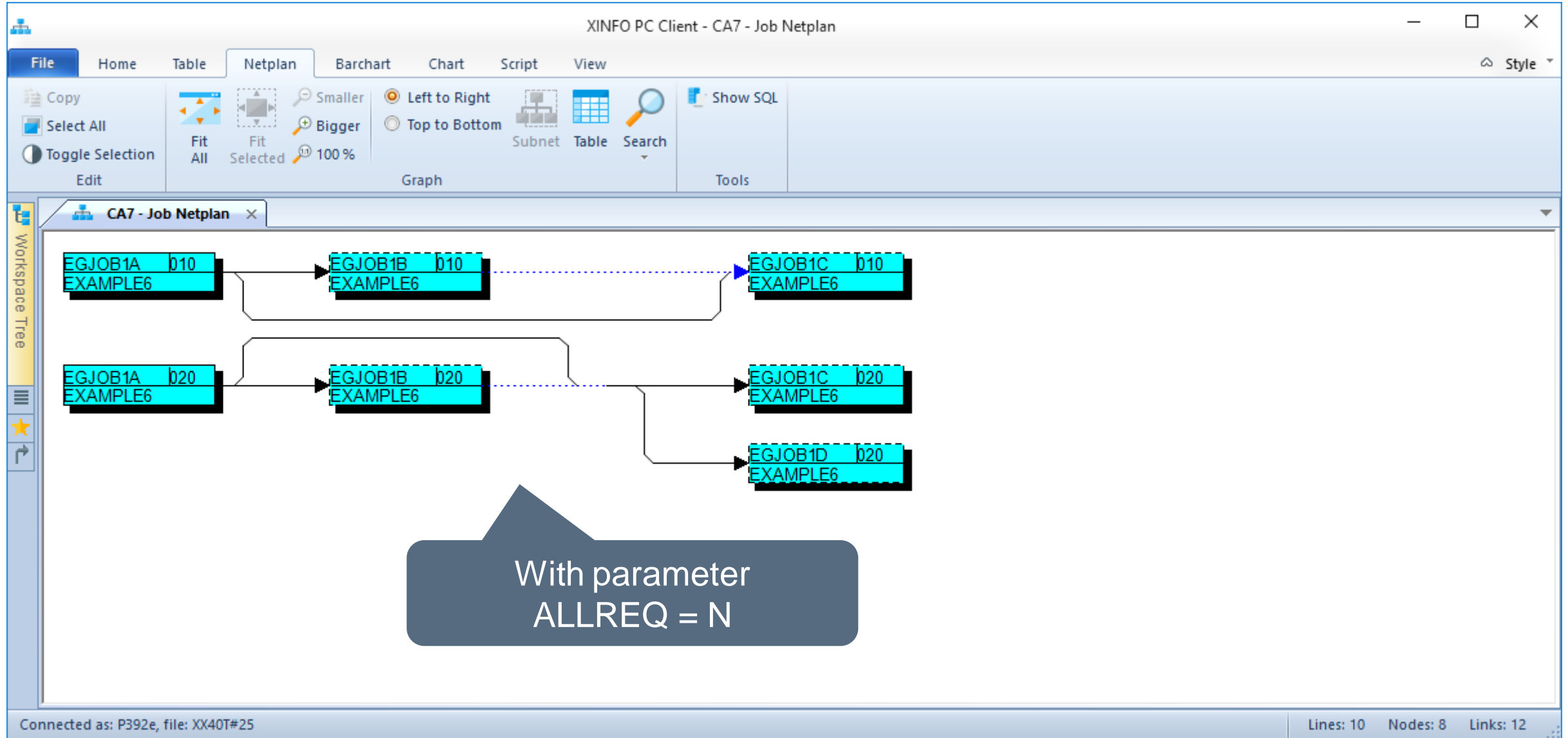
SCHIDs and triggering in CA-7 Netplans



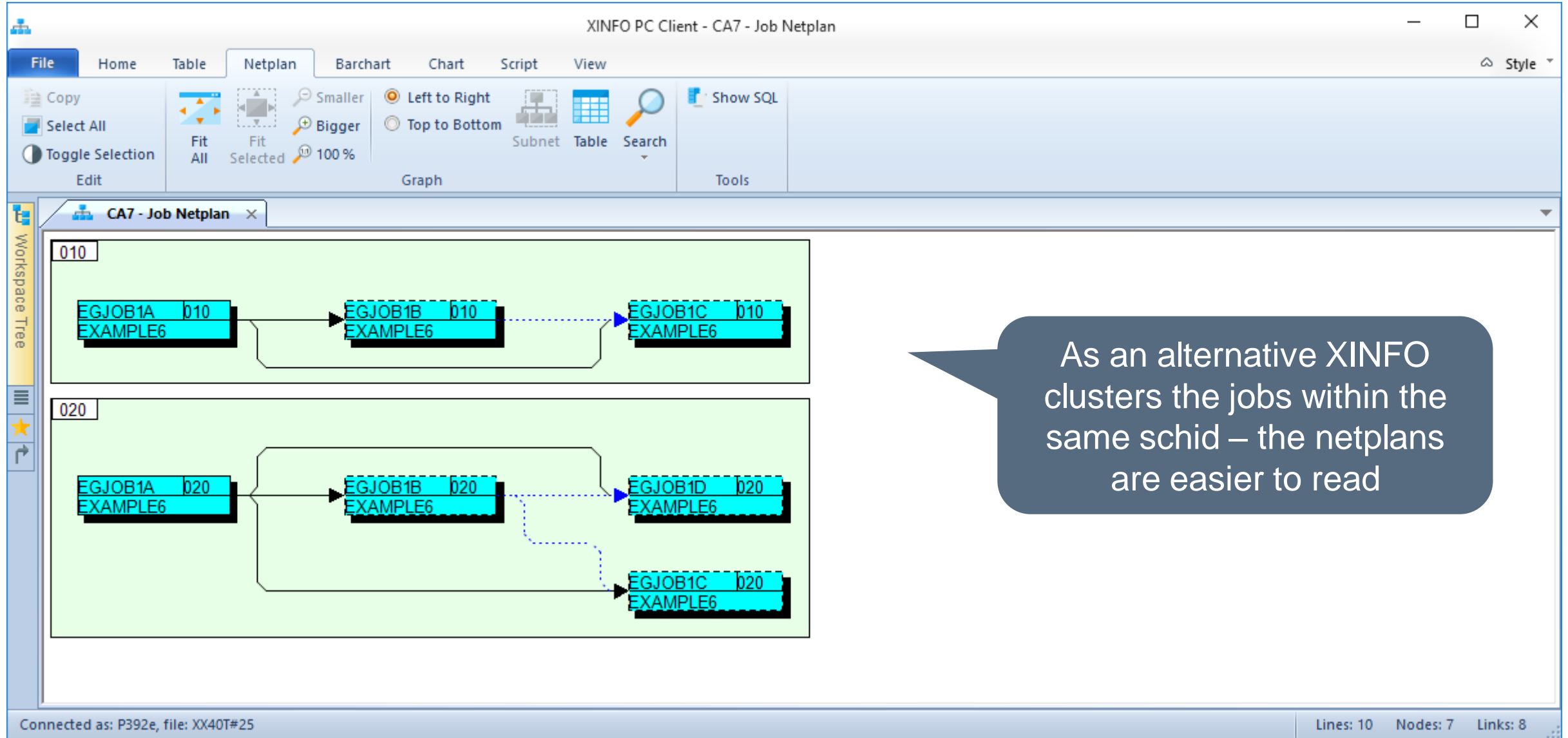
SCHIDs and job predecessor requirements



SCHIDs and job predecessor requirements



SCHIDs and job predecessor requirements



CA-7 – Job Netplan - Right mouse

The screenshot displays the XINFO PC Client interface for 'CA7 - Job Netplan'. The main workspace shows a network plan with nodes represented as cyan boxes with black text, connected by solid and dashed lines. A right-click context menu is open over a node labeled 'SYSH_CA7.V3R3.U7TEST02'. The menu items include: Browse, BETA93, Control-D, CA Deliver, CA7, DB2, GRAPH, IMS, JCL, Space, SMF, Node details..., Pred/Succ netplan... (highlighted), and Find. A dark grey callout box with white text points to the 'Pred/Succ netplan...' option, stating: 'The right mouse menu offers useful functions, e.g. "Pred/Succ netplan" limited by level'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25' and 'Lines: 62 Nodes: 33 Links: 65'.

CA-7 – Pred/Succ Netplan

The screenshot displays the XINFO PC Client interface for CA7 - Job Netplan. The main workspace shows a network plan with nodes and links. A dialog box titled "Pred/Succ Netplan" is open, allowing the user to specify the desired level for predecessors and successors. The "Predecessor level" is set to 0, and the "Successor level" is set to 3. A callout box points to these fields with the text "Specify desired level".

Workspace Tree:

- CA07XX01 b04 TESTNTWK
- SYSH.CA7.V3R3.U7TEST02
- CA07XX01 b03 TESTNTWK
- SYSH.CA7.V3R3.U7TEST02
- CA07XX01 b01 TESTNTWK
- CA07XX02 b01 TESTNTWK
- CA07XX03 b04 TESTNTWK
- CA07XX04 b04 TESTNTWK
- CA07XX03 b01 TESTNTWK
- CA07XX05 b04 TESTNTWK
- CA07XX05 b01 TESTNTWK
- CA07XX06 b04 TESTNTWK
- CA07XX06 b01 TESTNTWK

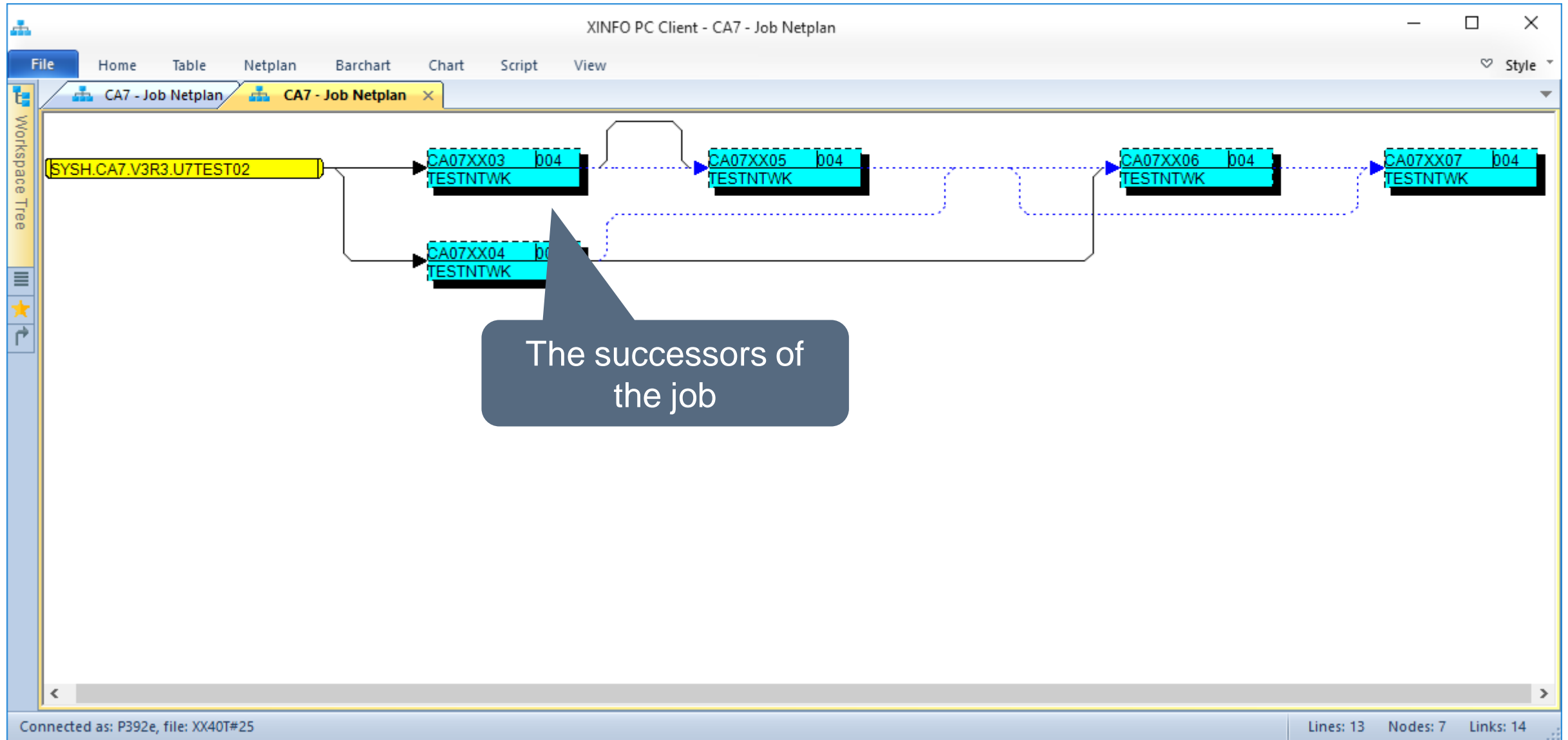
Dialog Box: Pred/Succ Netplan

- Predecessor level: 0 (0 - 999)
- Successor level: 3 (0 - 999)
- Buttons: OK, Cancel

Callout: Specify desired level

Footer: Connected as: P392e, file: XX40T#25 | Lines: 62 | Nodes: 33 | Links: 65

CA-7 – Pred/Succ Netplan



CA-7 – Job Netplan - Right mouse


The screenshot displays the XINFO PC Client interface for CA7 - Job Netplan. The main workspace shows a job netplan diagram with nodes and connecting lines. A context menu is open over a node, showing options like 'Browse', 'Job', 'JCL with Procedures', and various system components. A callout box points to the 'Job' option in the menu.

From here you can access all relevant data, e.g. SMF job runtimes, JCL, output definitions etc.

Connected as: P392e, file: XX36T#25

Lines: 230 Nodes: 65 Links: 226

CA-7 – Job Netplan - Browse JCL

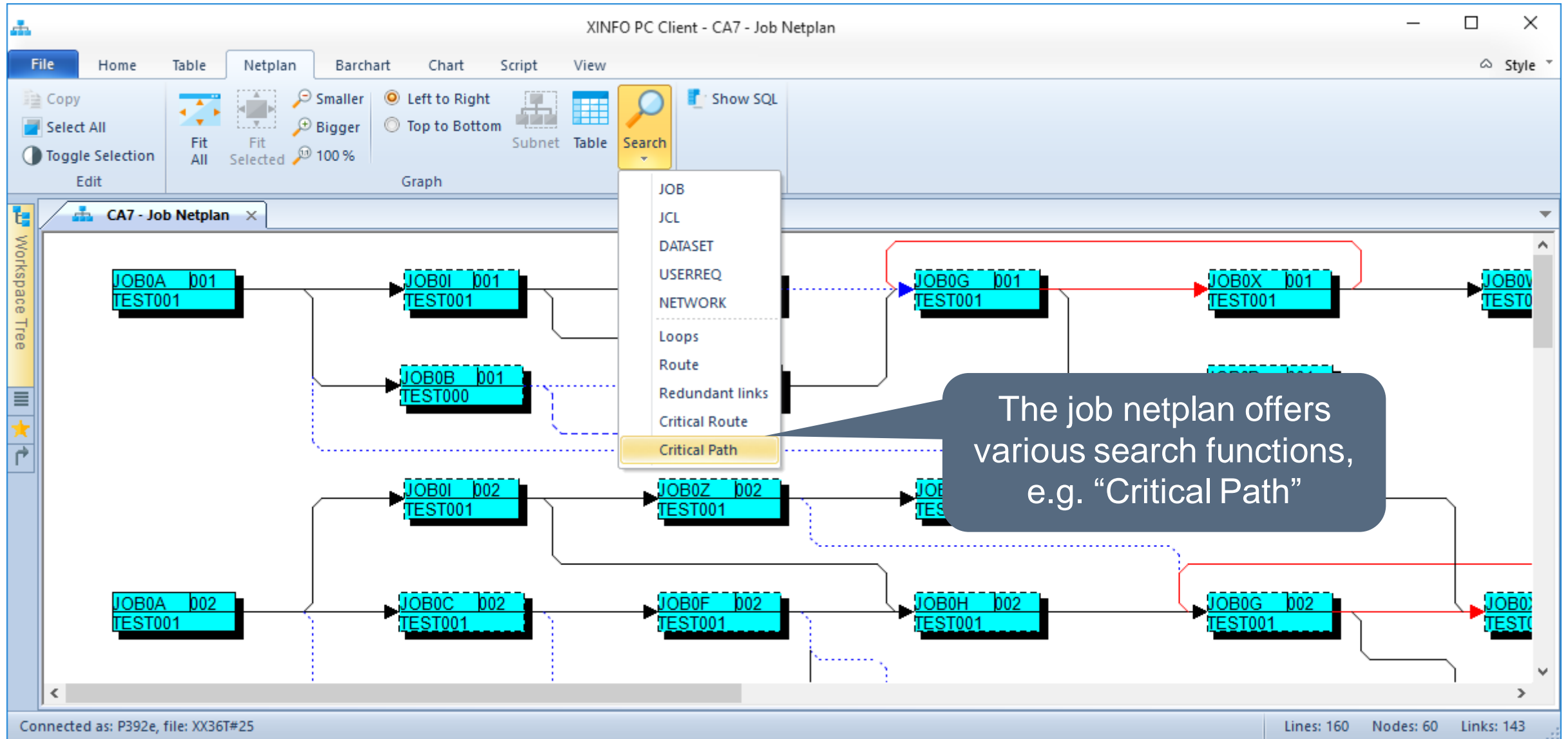


```
000001 //CA07XX02 JOB (ACNT-DATA),'CA-7.INSTALL',
000002 //          CLASS=A,MSGCLASS=T,NOTIFY=P390K
000003 /*JOBPARM R=9999
000004 /** CA-7 STAGE I JOB FROM L233GEN DECK
000005 /** CA-7 SYSGEN JOB
000006 /**-----*
000007 /**
000008 /**      'CA07XX02'
000009 /**
000010 /**-----*
000011 //PROCXX02 PROC N='SYSH.CA7.V3R3.',
000012 //          U=SYSDA,V=,
000013 //          D=U7TEST03,D2=U7TEST01
000014 //GEN1 EXEC PGM=IEBGENER
000015 //SYSPRINT DD SYSOUT=*
000016 //SYSIN DD DUMMY
000017 //SYSUT1 DD DISP=(OLD,DELETE,KEEP),DSN=&N&D2
000018 //SYSUT2 DD DISP=(,CATLG,DELETE),UNIT=&U,SPACE=(TRK,1),
000019 //          DCB=(RECFM=F,LRECL=80,BLKSIZE=80),
000020 //          DSN=&N&D&V
000021 //PEND02 PEND
000022 /**
000023 //S1 EXEC PROCXX02
```

Search for Search << >>

OK Copy Print... Save As...

CA7 – Critical Path



CA7 – Critical Path

The screenshot displays the XINFO PC Client interface for a Job Netplan. The main workspace shows a network diagram with nodes and dependencies. A search result window is open on the right, showing the critical path. A callout box points to the search result table.

Based on "Clock Time" XINFO calculates the longest path through the network

Object Type	Min. Level	Value
DATASET	0	P390K.ONLINE.DOW
JOB	1	JOBX - 010 - TRG
JOB	2	JOBY - 020 - TRG
JOB	3	JOB0A - 103 - TE
JOB	4	JOB0I - 103 - TE
JOB	5	JOB0H - 103 - TE
JOB	6	JOB0G - 103 - TE
JOB	7	JOB0X - 001 - TE
JOB	8	JOB0G - 001 - TE
JOB	9	JOB0X - 002 - TE
JOB	10	JOB0G - 002 - TE
JOB	11	JOB0D - 002 - TE

Connected as: P392e, file: XX36T#25
Lines: 160 Nodes: 60 Links: 143

Thanks for your attention! Do you have any questions?

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

HORIZONT

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