



HORIZONT

XINFO – Programming Languages z/OS – PL/1

What is this presentation about?

This PowerPoint gives you a short overview about XINFO's PL/1 Interface and how to use it.

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 – Programming Languages z/OS – PL/1

General program info

Includes

Calls

Procedures/Functions

File Access

File Declaration

Global Variables

DB2 Access

EXEC CICS

Graphics

PL/1 - Displays

The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left contains a folder named 'PL/1' which is highlighted with a red box. Below this folder, a list of sub-items is displayed, including 'General Information', 'Include', 'Call', 'Procedures/Functions', 'File Access', 'File Declarations', 'DB2 Access', 'CICS Access', 'DLI Access', 'MQSeries Calls', 'Variables', 'Variable Usage', 'Prepro Variables', 'Literals', 'Comments', 'Source Content', and 'Explorer'. A dark grey callout box with a white border points to this list and contains the text 'The displays for PL/1 ...'. The main window title is 'XINFO PC Client' and the status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

PL/1 - Displays

The screenshot displays the XINFO PC Client application window. The title bar reads "XINFO PC Client". The menu bar includes "File", "Home", "Table", "Netplan", "Barchart", "Chart", "Script", and "View". The ribbon contains several groups of icons: "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 project "PL/1", listing various components like "General Information", "Include", "Call", "Procedures/Functions", "File Access", "File Declarations", "DB2 Access", "CICS Access", "DLI Access", "MQSeries Calls", "Variables", "Variable Usage", "Prepro Variables", "Literals", "Comments", and "Explorer". The "Explorer" item is highlighted with a red rectangular box. A dark blue speech bubble with white text points to this box, containing the text "... and the appropriate Graph". At the bottom of the window, the status bar shows "Connected as: P392e, file: XX40T#25".

... and the appropriate Graph

PL/1 – General Info

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). A 'Workspace Tree' pane on the left shows a folder structure with 'PL/1' expanded. Under 'PL/1', the 'General Information' item is highlighted with a dashed border. A callout box points to this item with the text 'Select "General Information"'. At the bottom of the window, it shows 'Connected as: P392e, file: XX40T#25'.

If you need some general information about a PL/1 program ...

Select "General Information"

PL/1 – General Info Selection

PL/1 - General Information

Main Program	=	▼	
Main Lib	=	▼	
Include Data (Y/N)	=	▼	
Call Data (Y/N)	=	▼	
Proc Data (Y/N)	=	▼	
File Use Data (Y/N)	=	▼	
File Dcl Data (Y/N)	=	▼	
DB2 Data (Y/N)	=	▼	
CICS Data (Y/N)	=	▼	
DLI Data (Y/N)	=	▼	
Variable Data (Y/N)	=	▼	
Comments Data (Y/N)	=	▼	
Var-Usage Data(Y/N)	=	▼	
Uses Fetch (Y/N)	=	▼	
Prep-Var Data (Y/N)	=	▼	

Literals Data (Y/N)	=	▼	
Uses EXEC SQL (Y/N)	=	▼	Y
Uses EXEC CICS(Y/N)	=	▼	
Uses EXEC DLI (Y/N)	=	▼	
Uses CALL (Y/N)	=	▼	
Dynamic SQL (Y/N)	=	▼	
Source Lines Main			
Source Lines Total			
Comment Lines Main			
Comment Lines Total	=	▼	
Last Update User	=	▼	
Last Update Date	=	▼	DD.MM.YYYY
Last Update Time	=	▼	HH:MM
Load Module	=	▼	
System	=	▼	

Which programs are using DB2?

OK Actions Cancel

PL/1 – General Info Result

XINFO PC Client - PL/1 - General Information

File Home Table Netplan Barchart Chart Script View

PL/1 - General Information

MainPgm	Main-Lib	ProcName	U	U	U	Load-Mod	System	EXEC-DB2	Dyn-SQL	EXEC-CICS	EXEC-DLI	CALL	Fetch	Incl	Call	Proc	FileU	FileD	DB2	CICS	DLI	Vars	C
<all>	<all>	<all>				<all>	<all>	<all>	<all>	<all>	<all>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>
DSNTEP2	DSNB10.SDSNSAMP	DSNTEP2				DSNTEP2	PROJ1	Y	Y	N	N	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y
DSNTEP4	DSNB10.SDSNSAMP	DSNTEP4				DSNTEP4	PROJ1	Y	Y	N	N	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y
DSN8BP3	DSNB10.SDSNSAMP	DSN8BP3				DSN8BP3	PROJ1	Y	N	N	N	Y	N	Y	N	Y	Y	Y	Y	N	N	Y	Y
DSN8CP0	DSNB10.SDSNSAMP	DSN8CP0				DSN8CP0	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8CP1	DSNB10.SDSNSAMP	DSN8CP1				DSN8CP1	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8CP2	DSNB10.SDSNSAMP	DSN8CP2				DSN8CP2	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8CP3	DSNB10.SDSNSAMP	DSN8CP3				DSN8CP3	PROJ1	Y	N	Y	N	Y	N	Y	N	Y	N	N	Y	Y	N	Y	Y
DSN8CP6	DSNB10.SDSNSAMP	DSN8CP6				DSN8CP6	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8CP7	DSNB10.SDSNSAMP	DSN8CP7				DSN8CP7	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8CP8	DSNB10.SDSNSAMP	DSN8CP8				DSN8CP8	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8EPU	DSNB10.SDSNSAMP	DSN8EPU				DSN8EPU	PROJ1	Y	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y
DSN8EP1	DSNB10.SDSNSAMP	DSN8EP1				DSN8EP1	PROJ1	Y	N	N	N	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y
DSN8IP0	DSNB10.SDSNSAMP	DSN8IP0				DSN8IP0	PROJ1	Y	N	N	N	Y	N	Y	N	Y	N	N	Y	N	Y	Y	Y
DSN8IP1	DSNB10.SDSNSAMP	DSN8IP1				DSN8IP1	PROJ1	Y	N	N	N	Y	N	Y	Y	Y	N	N	Y	N	N	Y	Y
DSN8IP2	DSNB10.SDSNSAMP	DSN8IP2				DSN8IP2	PROJ1	Y	N	N	N	Y	N	Y	Y	Y	N	N	Y	N	N	Y	Y
DSN8IP3	DSNB10.SDSNSAMP	DSN8IP3				DSN8IP3	PROJ1	Y	N	N	N	Y	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
DSN8IP6	DSNB10.SDSNSAMP	DSN8IP6				DSN8IP6	PROJ1	Y	N	N	N	Y	N	Y	N	Y	N	N	Y	Y	Y	Y	Y
DSN8IP7	DSNB10.SDSNSAMP	DSN8IP7				DSN8IP7	PROJ1	Y	N	N	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8IP8	DSNB10.SDSNSAMP	DSN8IP8				DSN8IP8	PROJ1	Y	N	N	N	Y	N	Y	Y	Y	N	N	Y	N	N	Y	Y
DSN8MPA	DSNB10.SDSNSAMP	DSN8MPA				DSN8MPA	PROJ1	Y	N	N	N	Y	N	N	N	Y	N	N	Y	N	N	Y	Y
DSN8MPD	DSNB10.SDSNSAMP	DSN8MPD				DSN8MPD	PROJ1	Y	N	N	N	Y	N	N	Y	Y	N	N	Y	N	N	Y	Y
DSN8MPE	DSNB10.SDSNSAMP	DSN8MPE				DSN8MPE	PROJ1	Y	N	N	N	Y	N	N	N	Y	N	N	Y	N	N	Y	Y
DSN8MPF	DSNB10.SDSNSAMP	DSN8MPF				DSN8MPF	PROJ1	Y	N	N	N	Y	N	N	N	Y	N	N	Y	N	N	Y	Y
DSN8MPM	DSNB10.SDSNSAMP	DSN8MPM				DSN8MPM	PROJ1	Y	N	N	N	Y	N	N	N	Y	N	N	Y	N	N	Y	Y

DB2 Access

DLI (IMS)

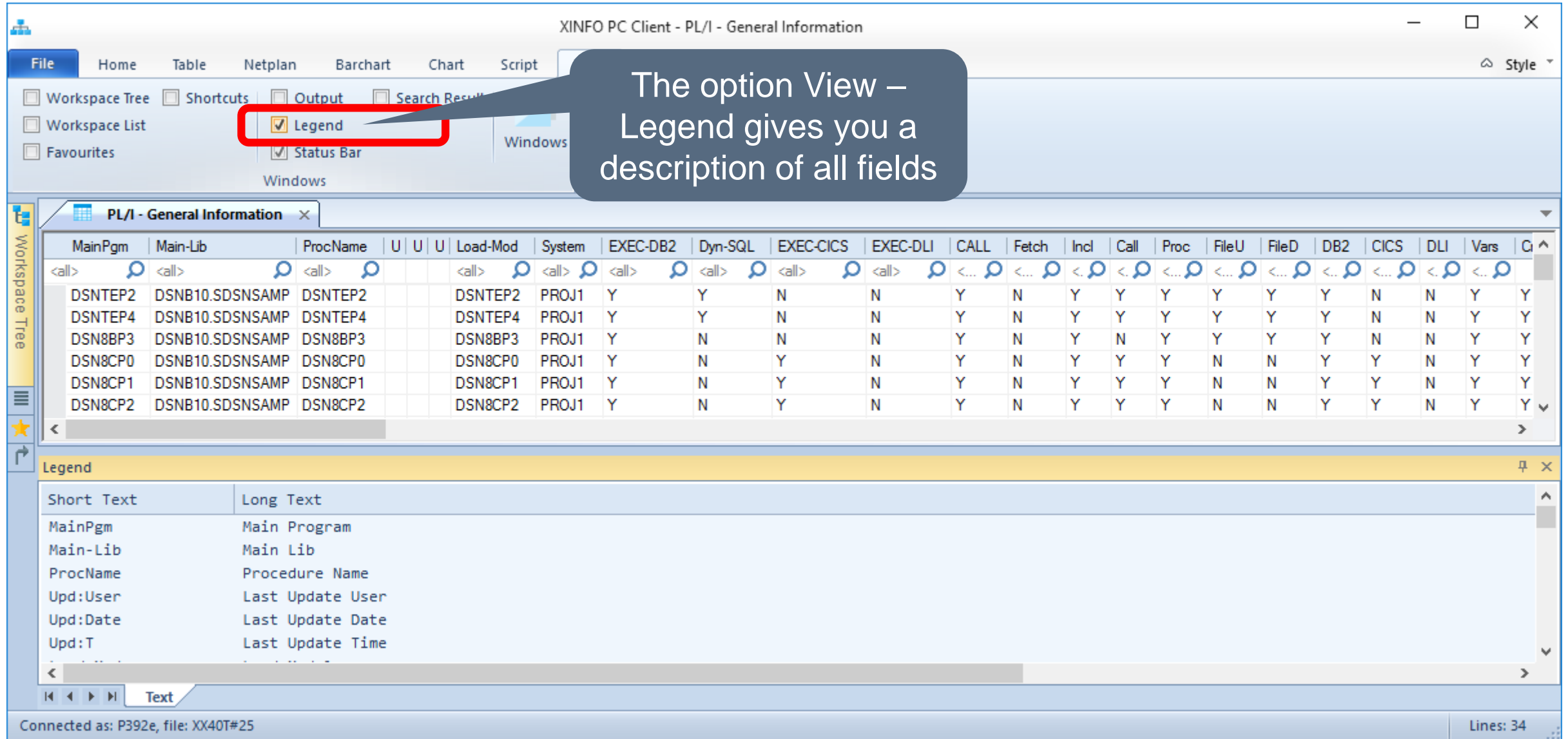
CICS

Member

Library

Lines: 34

PL/1 – General Info Fields



The option View – Legend gives you a description of all fields

MainPgm	Main-Lib	ProcName	U	U	U	Load-Mod	System	EXEC-DB2	Dyn-SQL	EXEC-CICS	EXEC-DLI	CALL	Fetch	Incl	Call	Proc	FileU	FileD	DB2	CICS	DLI	Vars	C
<all>	<all>	<all>				<all>	<all>	<all>	<all>	<all>	<all>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>	<...>
DSNTEP2	DSNB10.SDSNSAMP	DSNTEP2				DSNTEP2	PROJ1	Y	Y	N	N	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y
DSNTEP4	DSNB10.SDSNSAMP	DSNTEP4				DSNTEP4	PROJ1	Y	Y	N	N	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y
DSN8BP3	DSNB10.SDSNSAMP	DSN8BP3				DSN8BP3	PROJ1	Y	N	N	N	Y	N	Y	N	Y	Y	Y	Y	N	N	Y	Y
DSN8CP0	DSNB10.SDSNSAMP	DSN8CP0				DSN8CP0	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8CP1	DSNB10.SDSNSAMP	DSN8CP1				DSN8CP1	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y
DSN8CP2	DSNB10.SDSNSAMP	DSN8CP2				DSN8CP2	PROJ1	Y	N	Y	N	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y

Legend

Short Text	Long Text
MainPgm	Main Program
Main-Lib	Main Lib
ProcName	Procedure Name
Upd:User	Last Update User
Upd:Date	Last Update Date
Upd:T	Last Update Time

Connected as: P392e, file: XX40T#25 Lines: 34

PL/1 – INCLUDE Selection

The screenshot displays the XINFO PC Client interface. The main window is titled 'XINFO PC Client' and has a menu bar with options: File, Home, Table, Netplan, Barchart, Chart, Script, View. Below the menu bar is a toolbar with icons for Copy, Select All, Toggle Selection, Edit, Customize, Use Default, and Use Custom. The 'Workspace Tree' on the left shows a hierarchy: Natural > PL/I > General Information > Include (highlighted). The main area shows the 'PL/I - Include' dialog box with the following fields:

Main Program	=	[v]	[]
Include Member	=	[v]	DSN8MPCA
Nesting Level	=	[v]	[]
Found (Y/N)	=	[v]	[]
SQL-Include (Y/N)	=	[v]	[]
Include Lib	=	[v]	[]
Main Lib	=	[v]	[]
Source Member	=	[v]	[]
Prepro-Macro	=	[v]	[]
Line	=	[v]	[]
Source Lib	=	[v]	[]
Load Module	=	[v]	[]
System	=	[v]	[]

At the bottom of the dialog box are buttons for 'OK', 'Actions', and 'Cancel'. A status bar at the bottom of the client window shows 'Connected as: P392e, file: XX40T#25'.

Callout 1 (Top Right): If you want to know more about "INCLUDE-Members" ...

Callout 2 (Center): Which programs are using INCLUDE member "DSN8MPCA"?

PL/1 – INCLUDE Result

The screenshot shows the XINFO PC Client interface for PL/I include results. The window title is 'XINFO PC Client - PL/I - Include'. The main area displays a table with the following columns: MainPgm, Incl-Mem, NL, F, SQL, Include-Lib, Main-Lib, SrcMemb, Prepro-Macro, Line, Source-Lib, Load-Mod, and System. The table contains 12 rows of data, all with 'DSNB10.SDSNSAMP' as the include library and 'PROJ1' as the system. Callouts point to specific cells: 'INCLUDE Member' points to the 'Incl-Mem' column, 'Main Library' points to the 'Main-Lib' column, 'Main' points to the 'MainPgm' column, and 'INCLUDE Library' points to the 'Include-Lib' column.

MainPgm	Incl-Mem	NL	F	SQL	Include-Lib	Main-Lib	SrcMemb	Prepro-Macro	Line	Source-Lib	Load-Mod	System
DSN8CP0	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CP0		142	DSNB10.SDSNSAMP	DSN8CP0	PROJ1
DSN8CP1	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CP1		132	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP2	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CP2		178	DSNB10.SDSNSAMP	DSN8CP2	PROJ1
DSN8CP6	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CP6		132	DSNB10.SDSNSAMP	DSN8CP6	PROJ1
DSN8CP7	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CP7		133	DSNB10.SDSNSAMP	DSN8CP7	PROJ1
DSN8CP8	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CP8		191	DSNB10.SDSNSAMP	DSN8CP8	PROJ1
DSN8IP0	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IP0		150	DSNB10.SDSNSAMP	DSN8IP0	PROJ1
DSN8IP1	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IP1		123	DSNB10.SDSNSAMP	DSN8IP1	PROJ1
DSN8IP2	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IP2		175	DSNB10.SDSNSAMP	DSN8IP2	PROJ1
DSN8IP6	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IP6		173	DSNB10.SDSNSAMP	DSN8IP6	PROJ1
DSN8IP7	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IP7		126	DSNB10.SDSNSAMP	DSN8IP7	PROJ1
DSN8IP8	DSN8MPCA	1	Y	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IP8		184	DSNB10.SDSNSAMP	DSN8IP8	PROJ1

Connected as: P392e, file: XX40T#25 Lines: 12

PL/1 – INCLUDE Fields

The screenshot shows a window titled "Details" with a table of include fields and their values. The table has two columns: "Name" and "Value". The data is as follows:

Name	Value
Main Program	DSN8CP1
Include Member	DSN8MPCA
Nesting Level	1
Found (Y/N)	Y
SQL-Include (Y/N)	Y
Include Lib	DSNB10.SDSNSAMP
Main Lib	DSNB10.SDSNSAMP
Source Member	DSN8CP1
Prepro-Macro	
Line	132
Source Lib	DSNB10.SDSNSAMP
Load Module	DSN8CP1
System	PROJ1

Below the table, there is a callout box with the text: "Double mouse click on a record to view the details". At the bottom of the window, there are four buttons: "OK", "Copy", "Print...", and "Save As...".

PL/1 – INCLUDE Member Example

```
Member SOURCE.LIB(A) :  
    00025  %include B;  
    ...  
Member INCLUDE.LIB(B) :  
    00050  %include C;  
    ...  
Member C was not found in any library  
    ...
```

- **Main-Pgm:** The name of the member that contains the main program, that is usually the name of the load module. In our example “A”.
- **Main-Lib:** The name of the Library, where A was found. In our example SOURCE.LIB.
- **Include-member:** The name of the member with the INCLUDE statement. That is not always identical to the main program, e.g. the INCLUDE statement is nested in another INCLUDE member. In our example “A” for “B” and “B” for “C”.
- **Found:** Shows if the INCLUDE member was found in one of the libraries specified during the XINFO installation. In our example “Y(es)” for “B” and “N(o)” for “C”
- **Line:** The line number of the INCLUDE statements. In our example “25” for “B” and “50” for “C”
- **Source lib:** The library where the INCLUDE member was found. In our example “SOURCE.LIB” for “B” and “INCLUDE.LIB” for “C”

PL/1 – Call Selection

PL1 programs are often calling other Programs. If you need information about the calls ...

Which programs are using "DSN8MPG"?

Called Proc / ? = DSN8MPG

OK Actions Cancel

Connected as: P392e, file: XX40T#25

Show Programs Calls

... then select "Group"

MainPgm	Calling Proc	K	G	Called-P	Called Proc Symb.Nm	Main-Lib	SrcMemb	Prepro-Macro	Line	Source-Lib	System	CallMthd	Parameters	Loa
<all>	<all>			<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		325	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'008',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		351	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'008',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		375	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'008',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		399	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'004',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		405	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'007E',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		413	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'068E',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		441	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'060E',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		455	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'075E',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		474	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'053I',OUTMSG	DS
DSN8BP3	DSN8BP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8BP3		481	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'061E',OUTMSG	DS
DSN8CP1	DSN8CP1	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8MP1		253	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'051I',OUTMSG	DS
DSN8CP1	DSN8MP3	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8MP3		167	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'070E',OUTMSG	DS
DSN8CP1	DSN8MP4	Y	N	DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8MP4		167	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'070E',OUTMSG	DS
DSN8CP1	DSN8MP5	Y		DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8MP5		166	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'070E',OUTMSG	DS
DSN8CP2	DSN8CP2	Y		DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8CP2		309	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'072E',OUTMSG	DS
DSN8CP2	DSN8CP2	Y		DSN8MPG	DSN8MPG	DSNB10.SDSNSAMP	DSN8CP2		335	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'066E',OUTMSG	DS
DSN8CP2	SECSEL								369	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'062E',OUTMSG	DS
DSN8CP2	DETAIL								393	DSNB10.SDSNSAMP	PROJ1	CALL	MODULE,'062E',OUTMSG	DS

You want to know the program names, but not every call?

Connected as: P392e, file: XX40T#25

Lines: 299

PL/1 - Call Result, Grouped

The screenshot shows the XINFO PC Client interface. The main window displays a table of call results grouped by 'MainPgm'. A 'Group By...' dialog box is open, showing a list of columns with checkboxes. The 'MainPgm' checkbox is checked and highlighted with a red rectangle. A callout box points to this checkbox with the text: "Select 'Main Program' and click on 'OK' ...".

Group By...

Group	Column Header	Column Legend
<input checked="" type="checkbox"/>	MainPgm	Main Program
<input type="checkbox"/>	Calling Proc	Calling Proc
<input type="checkbox"/>	Is Proc decl. (Y/N)	Is Proc decl. (Y/N)
<input type="checkbox"/>	Generic Func. (Y/N)	Generic Func. (Y/N)
<input type="checkbox"/>	Called Proc / ?	Called Proc / ?
<input type="checkbox"/>	Nm	Called Proc SymName
<input type="checkbox"/>	System	System
<input type="checkbox"/>	CallMthd	Type of Call
<input type="checkbox"/>	Parameters	Parameters
<input type="checkbox"/>	Load-Mod	Load Module

PL/1 - Call

MainPgm	Calling Proc	K	G	Called-P
<all>	<all>			<all>
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8BP3	DSN8BP3	Y	N	DSN8MP3
DSN8CP1	DSN8CP1	Y	N	DSN8MP3
DSN8CP1	DSN8MP3	Y	N	DSN8MP3
DSN8CP1	DSN8MP4	Y	N	DSN8MP3
DSN8CP1	DSN8MP5	Y	N	DSN8MP3
DSN8CP2	DSN8CP2	Y	N	DSN8MP3
DSN8CP2	DSN8CP2	Y	N	DSN8MP3
DSN8CP2	SECSEL	Y	N	DSN8MP3
DSN8CP2	DETAIL	Y	N	DSN8MP3

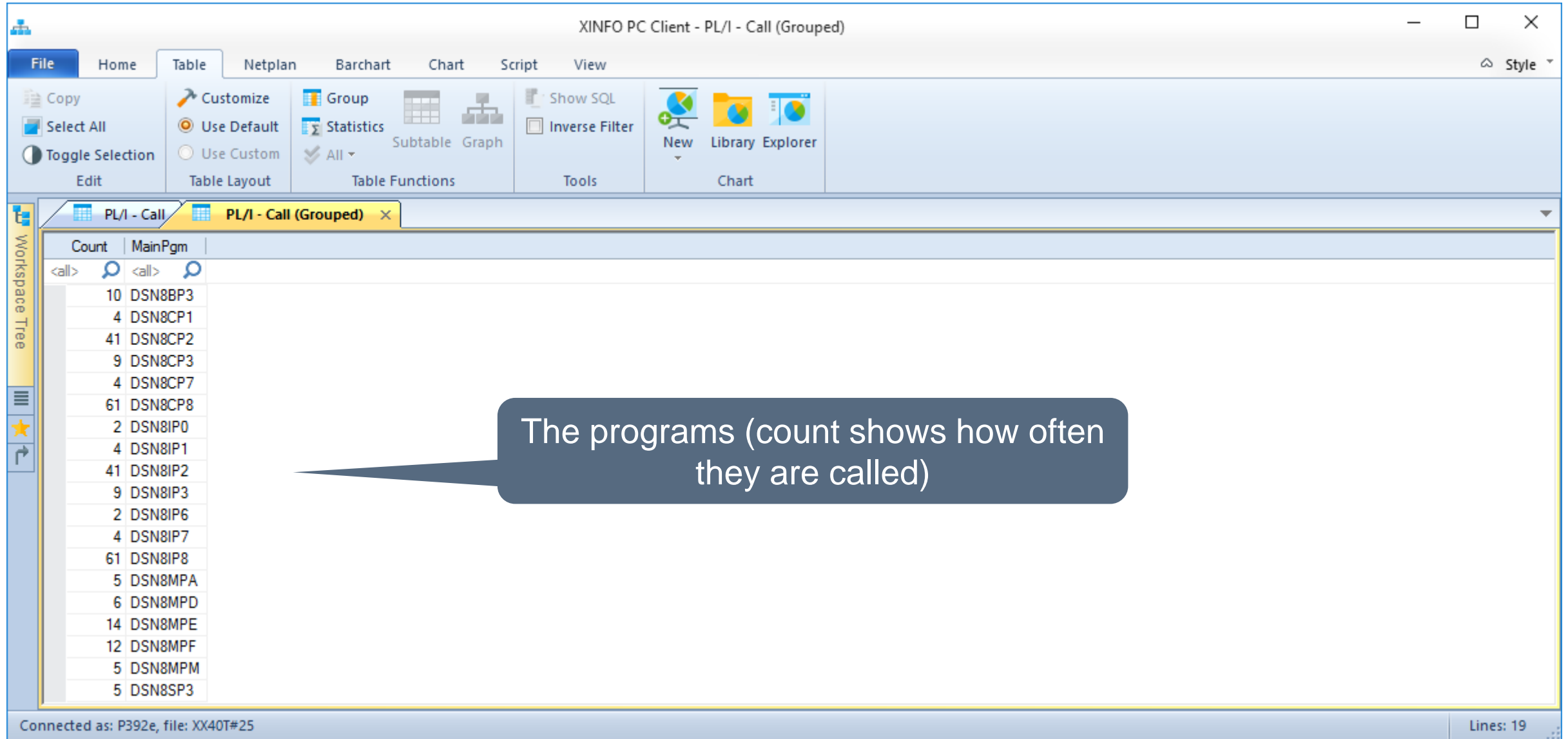
Call Result Table:

Lib	System	CallMthd	Parameters	Loc
10.SDSNSAMP	PROJ1	CALL	MODULE,'008',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'008',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'008',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'004',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'007E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'068E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'060E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'075E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'053I',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'061E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'051I',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'070E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'070E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'070E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'072E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'066E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'062E',OUTMSG	DS
10.SDSNSAMP	PROJ1	CALL	MODULE,'062E',OUTMSG	DS

Connected as: P392e, file: XX40T#25

Lines: 299

PL/1 - Call Result, Grouped



The screenshot displays the XINFO PC Client interface. The title bar reads "XINFO PC Client - PL/1 - Call (Grouped)". 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). The main workspace shows a table with two columns: "Count" and "MainPgm". The table lists 19 rows of data, representing grouped call results for various programs. A callout box points to the table with the text: "The programs (count shows how often they are called)".

Count	MainPgm
<all>	<all>
10	DSN8BP3
4	DSN8CP1
41	DSN8CP2
9	DSN8CP3
4	DSN8CP7
61	DSN8CP8
2	DSN8IP0
4	DSN8IP1
41	DSN8IP2
9	DSN8IP3
2	DSN8IP6
4	DSN8IP7
61	DSN8IP8
5	DSN8MPA
6	DSN8MPD
14	DSN8MPE
12	DSN8MPF
5	DSN8MPM
5	DSN8SP3

Connected as: P392e, file: XX40T#25 Lines: 19

PL/1 – Procedures/Functions

The image shows a screenshot of the 'PL/1 - Procedures/Functions' dialog box in a software application. The dialog box is overlaid on a workspace window. The workspace window has a menu bar (File, Home, Table, Netplan, Barchart) and a 'Workspace Tree' on the left. The 'Workspace Tree' shows a hierarchy: Natural > PL/1 > Procedures/Functions (highlighted). The dialog box contains a list of fields for specifying selection criteria. A red box highlights the 'Main Program' field, which is set to 'DFH\$CESD'. A blue callout box points to this field with the text 'Specify selection criteria'. Another blue callout box is positioned to the right of the dialog box with the text 'In addition to external calls the internal program structure is also analysed'. The dialog box has 'OK', 'Actions', and 'Cancel' buttons at the bottom.

Field	Value
Main Program	DFH\$CESD
Function/Procedure	
Number of Pams	
DB2 Y/N	
Dynamic SQL Y/N	
CICS Y/N	
DLI Y/N	
Uses Fetch Y/N	
Calls Sub Prgs. Y/N	
Is Main Y/N	
Is Function Y/N	
Is Entry Y/N	
Is Recursive Y/N	
Is Reentrant Y/N	
Is Nested Y/N	
Main Lib	
Source Member	
Prepro-Macro	
Line	
Source Lib	
Load Module	
System	

PL/1 – Procedures/Functions Result

The screenshot shows the XINFO PC Client interface for PL/1 Procedures/Functions. The main window displays a table of procedures, with 'STEP1_ROUTINE' selected. A 'Details' window is open on the right, showing attributes for the selected procedure. A callout box points to the table with the text 'The result'.

MainPgm	Function/Procedure	Pams	DB2	Dyn	CICS	DLI	F	C	Ma
<all>	<all>	<a...>	<..>	<..>	<...>	<..>			<...>
DFH\$CESD	INITIAL_ROUTINE	0	N	N	Y	N	N	N	N
DFH\$CESD	STEP1_ROUTINE	0	N	N	Y	N	N	N	N
DFH\$CESD	STEP2_ROUTINE	0	N	N	Y	N	N	N	N
DFH\$CESD	STEP3_ROUTINE	0	N	N	Y	N	N	N	N
DFH\$CESD	C2X	3	N	N	N	N	N	N	N
DFH\$CESD	INQ_UOWS	0	N	N	Y	N	N	N	N
DFH\$CESD	FLUSH_JOURNALS	0	N	N	Y	N	N	N	N
DFH\$CESD	ERRORC	1	N	N	Y	N	N	N	N
DFH\$CESD	CHECK_SAMPLE_COUNT	0	N	N	N	N	N	N	N
DFH\$CESD	ISSUE_MESSAGE	0	N	N	Y	N	N	N	N
DFH\$CESD	DFHCESD	0	N	N	Y	N	N	N	Y

Name	Value
Main Program	DFH\$CESD
Function/Procedure	STEP1_ROUTINE
Number of Pams	0
DB2 Y/N	N
Dynamic SQL Y/N	N
CICS Y/N	Y
DLI Y/N	N
Uses Fetch Y/N	N
Calls Sub Prgs. Y/N	N
Is Main Y/N	N
Is Function Y/N	N
Is Entry Y/N	N
Is Recursive Y/N	N
Is Reentrant Y/N	N
Is Nested Y/N	Y
Main Lib	DFH520.CICS.SDFHSAMP
Source Member	DFH\$CESD
Prepro-Macro	
Line	415
Source Lib	DFH520.CICS.SDFHSAMP
Load Module	DFHCESD
System	PROJ1

The result

PL/1 – File Access Selection

To get more selection fields, click with a left mouse click on "File Name"

If you need information about "File access" ...

Which DD names are used in addition to the standard names?

Main Name =

File Name (intern.) <> SYSPRINT AND

Access =

Method =

Line =

Source Lib =

Load Module =

System =

OK Actions Cancel

Workspace Tree

- Natural
- PL/1
 - General Information
 - Include
 - Call
 - Procedures/Functions
 - File Access:
 - File Declarations
 - DB2 Access
 - CICS Access
 - DLI Access
 - MQSeries Calls
 - Variables
 - Variable Usage
 - Prepro Variables
 - Literals
 - Comments
 - Source Content
 - Explorer

Connected as: P392e, file: XX40T#25

PL/1 – File Access Selection

XINFO PC Client - PL/1 - File Access

File Home Table Netplan Barchart Chart Script View

PL/1 - File Access

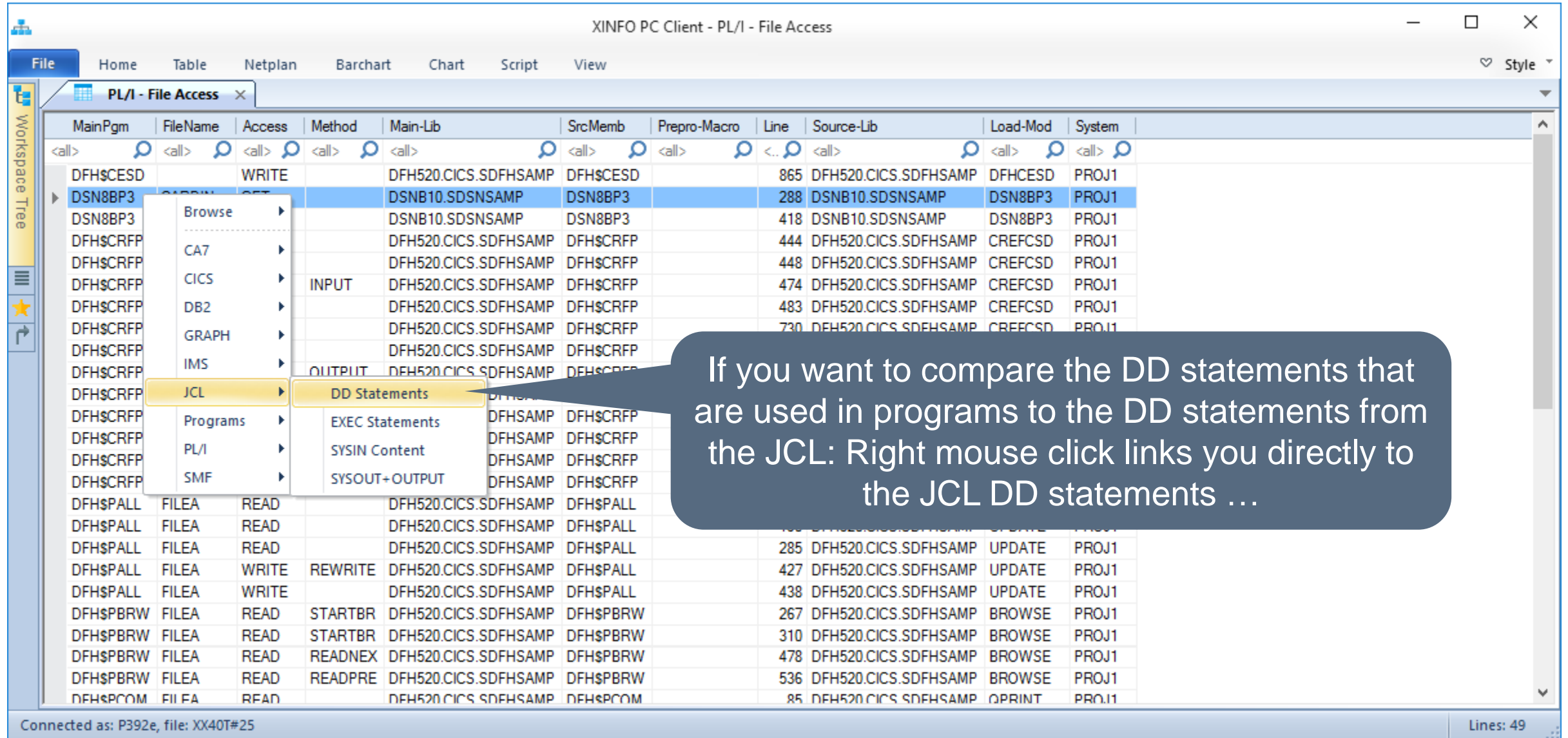
MainPgm	FileName	Access	Method	Main-Lib	SrcMemb	Prepro-Macro	Line	Source-Lib	Load-Mod	System
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DFH\$CESD		WRITE		DFH520.CICS.SDFHSAMP	DFH\$CESD		865	DFH520.CICS.SDFHSAMP	DFH\$CESD	PROJ1
DSN8BP3	CARDIN	GET		DSNB10.SDSNSAMP	DSN8BP3		288	DSNB10.SDSNSAMP	DSN8BP3	PROJ1
DSN8BP3	CARDIN	GET		DSNB10.SDSNSAMP	DSN8BP3		418	DSNB10.SDSNSAMP	DSN8BP3	PROJ1
DFH\$CRFP	CRFINPT	READ		DFH520.CICS.SDFHSAMP	DFH\$CRFP		444	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFINPT	READ		DFH520.CICS.SDFHSAMP	DFH\$CRFP		448	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFINPT	OPEN	INPUT	DFH520.CICS.SDFHSAMP	DFH\$CRFP		474	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFINPT	CLOSE		DFH520.CICS.SDFHSAMP	DFH\$CRFP		483	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFINPT	CLOSE		DFH520.CICS.SDFHSAMP	DFH\$CRFP		730	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFINPT	CLOSE		DFH520.CICS.SDFHSAMP	DFH\$CRFP		1540	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFOUT	OPEN	OUTPUT	DFH520.CICS.SDFHSAMP	DFH\$CRFP		479	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFOUT	CLOSE		DFH520.CICS.SDFHSAMP	DFH\$CRFP		731	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFOUT	PUT		DFH520.CICS.SDFHSAMP	DFH\$CRFP		975	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFOUT	PUT		DFH520.CICS.SDFHSAMP	DFH\$CRFP		984	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFOUT	PUT		DFH520.CICS.SDFHSAMP	DFH\$CRFP		991	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP	CRFOUT	CLOSE		DFH520.CICS.SDFHSAMP	DFH\$CRFP		1542	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$PALL	FILEA	READ		DFH520.CICS.SDFHSAMP	DFH\$PALL		148	DFH520.CICS.SDFHSAMP	UPDATE	PROJ1
DFH\$PALL	FILEA	READ		DFH520.CICS.SDFHSAMP	DFH\$PALL		190	DFH520.CICS.SDFHSAMP	UPDATE	PROJ1
DFH\$PALL	FILEA	READ		DFH520.CICS.SDFHSAMP	DFH\$PALL		285	DFH520.CICS.SDFHSAMP	UPDATE	PROJ1
DFH\$PALL	FILEA	WRITE	REWRITE	DFH520.CICS.SDFHSAMP	DFH\$PALL		427	DFH520.CICS.SDFHSAMP	UPDATE	PROJ1
DFH\$PALL	FILEA	WRITE		DFH520.CICS.SDFHSAMP	DFH\$PALL		438	DFH520.CICS.SDFHSAMP	UPDATE	PROJ1
DFH\$PBRW	FILEA	READ	STARTBR	DFH520.CICS.SDFHSAMP	DFH\$PBRW		267	DFH520.CICS.SDFHSAMP	BROWSE	PROJ1
DFH\$PBRW	FILEA	READ	STARTBR	DFH520.CICS.SDFHSAMP	DFH\$PBRW		310	DFH520.CICS.SDFHSAMP	BROWSE	PROJ1
DFH\$PBRW	FILEA	READ	READ	DFH520.CICS.SDFHSAMP	DFH\$PBRW		478	DFH520.CICS.SDFHSAMP	BROWSE	PROJ1
DFH\$PBRW	FILEA	READ	READ	DFH520.CICS.SDFHSAMP	DFH\$PBRW		536	DFH520.CICS.SDFHSAMP	BROWSE	PROJ1
DFH\$PCOM	FILEA	READ		DFH520.CICS.SDFHSAMP	DFH\$PCOM		85	DFH520.CICS.SDFHSAMP	QPRINT	PROJ1

Connected as: P392e, file: XX40T#25

Lines: 49

The result

PL/1 – File Access Result



The screenshot shows the XINFO PC Client - PL/1 - File Access window. The main window contains a table with columns: MainPgm, FileName, Access, Method, Main-Lib, SrcMemb, Prepro-Macro, Line, Source-Lib, Load-Mod, System. A context menu is open over the 'JCL' entry in the 'Access' column, with 'DD Statements' highlighted. A callout bubble points to this menu with the text: "If you want to compare the DD statements that are used in programs to the DD statements from the JCL: Right mouse click links you directly to the JCL DD statements ...".

MainPgm	FileName	Access	Method	Main-Lib	SrcMemb	Prepro-Macro	Line	Source-Lib	Load-Mod	System
DFH\$CESD		WRITE		DFH520.CICS.SDFHSAMP	DFH\$CESD		865	DFH520.CICS.SDFHSAMP	DFH\$CESD	PROJ1
DSN8BP3				DSNB10.SDSNSAMP	DSN8BP3		288	DSNB10.SDSNSAMP	DSN8BP3	PROJ1
DSN8BP3				DSNB10.SDSNSAMP	DSN8BP3		418	DSNB10.SDSNSAMP	DSN8BP3	PROJ1
DFH\$CRFP				DFH520.CICS.SDFHSAMP	DFH\$CRFP		444	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP				DFH520.CICS.SDFHSAMP	DFH\$CRFP		448	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP			INPUT	DFH520.CICS.SDFHSAMP	DFH\$CRFP		474	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP				DFH520.CICS.SDFHSAMP	DFH\$CRFP		483	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP				DFH520.CICS.SDFHSAMP	DFH\$CRFP		730	DFH520.CICS.SDFHSAMP	CREFCSD	PROJ1
DFH\$CRFP			OUTPUT	DFH520.CICS.SDFHSAMP	DFH\$CRFP					
DFH\$PALL	FILEA	READ		DFH520.CICS.SDFHSAMP	DFH\$PALL					
DFH\$PALL	FILEA	READ		DFH520.CICS.SDFHSAMP	DFH\$PALL					
DFH\$PALL	FILEA	READ		DFH520.CICS.SDFHSAMP	DFH\$PALL		285	DFH520.CICS.SDFHSAMP	UPDATE	PROJ1
DFH\$PALL	FILEA	WRITE	REWRITE	DFH520.CICS.SDFHSAMP	DFH\$PALL		427	DFH520.CICS.SDFHSAMP	UPDATE	PROJ1
DFH\$PALL	FILEA	WRITE		DFH520.CICS.SDFHSAMP	DFH\$PALL		438	DFH520.CICS.SDFHSAMP	UPDATE	PROJ1
DFH\$PBRW	FILEA	READ	STARTBR	DFH520.CICS.SDFHSAMP	DFH\$PBRW		267	DFH520.CICS.SDFHSAMP	BROWSE	PROJ1
DFH\$PBRW	FILEA	READ	STARTBR	DFH520.CICS.SDFHSAMP	DFH\$PBRW		310	DFH520.CICS.SDFHSAMP	BROWSE	PROJ1
DFH\$PBRW	FILEA	READ	READNEX	DFH520.CICS.SDFHSAMP	DFH\$PBRW		478	DFH520.CICS.SDFHSAMP	BROWSE	PROJ1
DFH\$PBRW	FILEA	READ	READPRE	DFH520.CICS.SDFHSAMP	DFH\$PBRW		536	DFH520.CICS.SDFHSAMP	BROWSE	PROJ1
DFH\$PCOM	FILEA	READ		DFH520.CICS.SDFHSAMP	DFH\$PCOM		85	DFH520.CICS.SDFHSAMP	QPRINT	PROJ1

Connected as: P392e, file: XX40T#25 Lines: 49

If you want to compare the DD statements that are used in programs to the DD statements from the JCL: Right mouse click links you directly to the JCL DD statements ...

PL/1 – File Declaration Selection

The image shows a screenshot of the PL/1 File Declarations dialog box. The dialog box is titled "PL/1 - File Declarations" and contains a list of attributes and their values. The "Main Program" attribute is highlighted with a red box and contains the value "DSN*". A callout bubble points to this value with the text "e.g. all declarations used in program DSN* ...". Another callout bubble points to the "File Name (intem.)" attribute with the text "If you need information about the 'File Declarations' ...". The dialog box also includes buttons for "OK", "Actions", and "Cancel".

PL/1 - File Declarations

Main Program	=	DSN*
File Name (intem.)	=	
Attrib. INPUT Y/N	=	
Attrib. OUTPUT Y/N		
Attrib. UPDATE Y/N		
Attrib. SEQ. Y/N		
Attrib. RECORD Y/N		
Attrib. PRINT Y/N	=	
RECFM	=	
DSORG	=	
RECSIZE	=	
BLKSIZE	=	
Main Lib	=	
Source Member	=	
Prepro-Macro	=	
Line	=	
Source Lib	=	
Load Module	=	
System	=	

OK Actions Cancel

Workspace Tree

- Natural
- PL/1
 - General Information
 - Include
 - Call
 - Procedures/Functions
 - File Access
 - File Declarations
 - DB2 Access
 - CICS Access
 - DLI Access
 - MQSeries Calls
 - Variables
 - Variable Usage
 - Prepro Variables
 - Literals
 - Comments
 - Source Content
 - Explorer

Connected as: P392e, file: XX40T#25

If you need information about the "File Declarations" ...

e.g. all declarations used in program DSN* ...

PL/1 – File Declaration Result

XINFO PC Client - PL/I - File Declarations

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

PL/I - File Declarations

MainPgm	FileName	I	O	U	S	R	P	RECFM	DSORG	RECSZ	BLKSZ	Main-Lib	SrcMemb	Prepro-Macro	Line	Source-Lib	Load-Mod	System
DSNTEP2	SYSIN	Y										DSNB10.SDSNSAMP	DSNTEP2		1517	DSNB10.SDSNSAMP	DSNTEP2	PROJ1
DSNTEP2	SYSPRINT		Y					FB		EXPR		DSNB10.SDSNSAMP	DSNTEP2		1518	DSNB10.SDSNSAMP	DSNTEP2	PROJ1
DSNTEP4	SYSIN	Y										DSNB10.SDSNSAMP	DSNTEP4		1557	DSNB10.SDSNSAMP	DSNTEP4	PROJ1
DSNTEP4	SYSPRINT		Y					FB		EXPR		DSNB10.SDSNSAMP	DSNTEP4		1558	DSNB10.SDSNSAMP	DSNTEP4	PROJ1
DSN8BP3	CARDIN	Y										DSNB10.SDSNSAMP	DSN8BP3		119	DSNB10.SDSNSAMP	DSN8BP3	PROJ1
DSN8BP3	REPORT		Y				Y					DSNB10.SDSNSAMP	DSN8BP3		120	DSNB10.SDSNSAMP	DSN8BP3	PROJ1
DSN8EPU	SYSPRINT		Y									DSNB10.SDSNSAMP	DSN8EPU		99	DSNB10.SDSNSAMP	DSN8EPU	PROJ1
DSN8EPU	SYSIN	Y						F		80		DSNB10.SDSNSAMP	DSN8EPU		101	DSNB10.SDSNSAMP	DSN8EPU	PROJ1
DSN8EP1	SYSIN	Y										DSNB10.SDSNSAMP	DSN8EP1		369	DSNB10.SDSNSAMP	DSN8EP1	PROJ1
DSN8EP1	SYSPRINT		Y					FB		EXPR	EXPR	DSNB10.SDSNSAMP	DSN8EP1		370	DSNB10.SDSNSAMP	DSN8EP1	PROJ1
DSN8IP3	SYSPRINT						Y					DSNB10.SDSNSAMP	DSN8IP3		205	DSNB10.SDSNSAMP	DSN8IP3	PROJ1
DSN8SPM	SYSPRINT											DSNB10.SDSNSAMP	DSN8SPM		168	DSNB10.SDSNSAMP	DSN8SPM	PROJ1

Workspace Tree

Connected as: P392e, file: XX40T#25

Lines: 12

The result

PL/1 – DB2 Access Selection

If you need information about "DB2 Access" ...

Which columns from table "VOPTVAL" are used in our PL/1 programs?

Main Program	=	
Main Lib	=	
Source Member	=	
Prepro-Macro	=	
SubSys	=	
Prefix	=	
Object	=	VOPTVAL
Object Type	=	COLUMN
Action	=	
Column Name	=	
Column Usage	=	
Source Lib	=	
Line	=	
Load Module	=	
System	=	

OK Actions Cancel

Connected as: P392e, file: XX40T#25

PL/1 – DB2 Access Result

XINFO PC Client - PL/1 - DB2 Access

File Home Table Netplan Barchart Chart Script View Style

PL/1 - DB2 Access

MainPgm	SubSys	Prefix	Object	ObjectType	Action	Column Name	ColUsage	Prepro-Macro	Main-Lib	SrcMemb	Line	Source-Lib	Load-Mod	System
<all>	<all>	<...>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<...>	<all>	<all>	<all>
DSN8CP1			VOPTVAL	COLUMN	SELECT	ACTION	SELECT		DSNB10.SDSNSAMP	DSN8MPVO	5	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SELTXT	SELECT		DSNB10.SDSNSAMP	DSN8MPVO	5	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	MAJSYS	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	5	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	ACTION	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	5	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	OBJFLD	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	5	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	ACTION	ORDER BY		DSNB10.SDSNSAMP	DSN8MPVO	5	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	OBJFLD	SELECT		DSNB10.SDSNSAMP	DSN8MPVO	16	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SELTXT	SELECT		DSNB10.SDSNSAMP	DSN8MPVO	16	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	MAJSYS	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	16	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	ACTION	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	16	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	OBJFLD	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	16	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SRCHCRIT	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	16	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	OBJFLD	ORDER BY		DSNB10.SDSNSAMP	DSN8MPVO	16	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SRCHCRIT	SELECT		DSNB10.SDSNSAMP	DSN8MPVO	28	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SELTXT	SELECT		DSNB10.SDSNSAMP	DSN8MPVO	28	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	MAJSYS	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	28	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	ACTION	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	28	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	OBJFLD	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	28	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SRCHCRIT	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	28	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SCRTYPE	WHERE		DSNB10.SDSNSAMP	DSN8MPVO	28	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SRCHCRIT	ORDER BY		DSNB10.SDSNSAMP	DSN8MPVO	28	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	SELTXT	SELECT		DSNB10.SDSNSAMP	DSN8MP3	108	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	MAJSYS	WHERE		DSNB10.SDSNSAMP	DSN8MP3	108	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	ACTION	WHERE		DSNB10.SDSNSAMP	DSN8MP3	108	DSNB10.SDSNSAMP	DSN8CP1	PROJ1
DSN8CP1			VOPTVAL	COLUMN	SELECT	OBJFLD	WHERE		DSNB10.SDSNSAMP	DSN8MP3	108	DSNB10.SDSNSAMP	DSN8CP1	PROJ1

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Lines: 363

PL/1- Variables Selection

The image shows a screenshot of the PL/1 Variables Selection dialog box in a software environment. The dialog box is titled "PL/1 - Variables" and contains a list of fields for selecting variables. Two fields are highlighted with red boxes: "Variable Name" and "Other attributes".

Two callout boxes provide additional information:

- Callout 1:** "If you need information about PL1 variables ..."
- Callout 2:** "If you want to know which programs are still using YYMMDD ..."

Field	Value
Main Program	= []
Main Lib	= []
Line	= []
Level Number	= []
Variable Name	= [*DAT*]
Dimensions	= []
Auto/Based/Ctl/Sta.	= []
External Y/N	= []
Basic Type	= []
Varying Y/N	= []
Aligned Y/N	= []
Declared Y/N	= []
Other attributes	= [(6)]
Initial Value	= []
Top name in struct	= []
Used Y/N	= []
Source Member	= []
Source Lib	= []
Prepro-Macro	= []
Load Module	= []
System	= []

PL/1 – Variables Result

The screenshot shows the XINFO PC Client interface for PL/1 variables. The window title is "XINFO PC Client - PL/1 - Variables". The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar with various icons for editing and visualization. The main area displays a table of variable definitions. A callout box with the text "The result" points to the table.

MainPgm	Line	Le	VarName	Dimensions	Storage	Ext	Basic-Type	V	A	Dcl	Other attributes	Initial Value	Top name in struct	Used	Src-Memb	Main-Lib	Source-Lib	Pr
<all>	<..>		<all>	<all>	<all>		<all>				<all>	<all>	<all>	<...>	<all>	<all>	<all>	
DSN8CP2	118		DATA6		0 BASED		CHAR			Y	(6)			Y	DSN8MPCA	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	
DSN8CP8	118		DATA6		0 BASED		CHAR			Y	(6)			Y	DSN8MPCA	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	
DSN8IP2	118		DATA6		0 BASED		CHAR			Y	(6)			Y	DSN8MPCA	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	
DSN8IP8	118		DATA6		0 BASED		CHAR			Y	(6)			Y	DSN8MPCA	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	
CSQ4BPA1	288		SYSDATE_FLD		0 AUTO		CHAR			Y	(6)			Y	CSQ4BPA1	CSQ800.SCSQPLIS	CSQ800.SCSQPLIS	

Connected as: P392e, file: XX40T#25 Lines: 5

PL/1 – CICS Access Selection

The screenshot shows the XINFO PC Client interface. On the left is a 'Workspace Tree' with a tree view containing folders for 'PL/1' and 'XINFO'. Under 'PL/1', various categories are listed, with 'CICS Access' highlighted. The main area displays a 'PL/1 - CICS Access' dialog box with a list of fields: Main Program, Action, Parameter, Variable, Value, Main Lib, Source Member, Prepro-Macro, Line, Source Lib, Load Module, and System. Each field has a dropdown menu and a text input field. The 'Action' field is highlighted with a red rectangle and contains the text 'SEND'. A dark blue callout box with a white border points to the 'Action' field, containing the text 'Which programs are using "EXEC CICS SEND"?'. Another dark blue callout box with a white border is positioned at the top right of the dialog, containing the text 'Please note that we do not use PL/1 Programs with CICS, but COBOL. The PL/1 scanner gives you identical results.' At the bottom of the dialog are 'OK', 'Actions', and 'Cancel' buttons. The status bar at the bottom of the window shows 'Connected as: P392e, file: XX40T#25'.

Please note that we do not use PL/1 Programs with CICS, but COBOL. The PL/1 scanner gives you identical results.

Which programs are using "EXEC CICS SEND"?

PL/1 – CICS Access Result

The screenshot shows the XINFO PC Client interface for PL/1 CICS Access. The main window displays a table with the following columns: MainPgm, Action, Parameter, Variable, Value, Prepro-Macro, Main-Lib, SrcMemb, Line, Source-Lib, Load-Mod, and System. The table contains 9 rows of data, all of which are 'EXEC CICS SEND' programs. A callout box points to these rows with the text 'The "EXEC CICS SEND" programs'.

MainPgm	Action	Parameter	Variable	Value	Prepro-Macro	Main-Lib	SrcMemb	Line	Source-Lib	Load-Mod	System
<all>	<all>	<all>	<all>	<...>	<all>	<all>	<all>	<..>	<all>	<all>	<all>
DFH\$DLPC	SEND	FROM	OUTREC	?		DFH520.CICS.SDFHSAMP	DFH\$DLPC	568	DFH520.CICS.SDFHSAMP	DFHDLPC	PROJ1
DFH\$DLPC	SEND	LENGTH	MSGLEN80	?		DFH520.CICS.SDFHSAMP	DFH\$DLPC	568	DFH520.CICS.SDFHSAMP	DFHDLPC	PROJ1
DFH\$DLPC	SEND	LENGTH	MSGLEN80	80		DFH520.CICS.SDFHSAMP	DFH\$DLPC	568	DFH520.CICS.SDFHSAMP	DFHDLPC	PROJ1
DFH\$DLPE	SEND	FROM	OUTREC	?		DFH520.CICS.SDFHSAMP	DFH\$DLPE	484	DFH520.CICS.SDFHSAMP	DFHDLPE	PROJ1
DFH\$DLPE	SEND	LENGTH	MSGLEN80	?		DFH520.CICS.SDFHSAMP	DFH\$DLPE	484	DFH520.CICS.SDFHSAMP	DFHDLPE	PROJ1
DFH\$DLPE	SEND	LENGTH	MSGLEN80	80		DFH520.CICS.SDFHSAMP	DFH\$DLPE	484	DFH520.CICS.SDFHSAMP	DFHDLPE	PROJ1
DFH0PZTK	SEND	ERASE				DFH520.CICS.SDFHSAMP	DFH0PZTK	295	DFH520.CICS.SDFHSAMP	DFH0ZTK	PROJ1
DFH0PZTK	SEND	FROM	W03_SPACE			DFH520.CICS.SDFHSAMP	DFH0PZTK	295	DFH520.CICS.SDFHSAMP	DFH0ZTK	PROJ1
DFH0PZTK	SEND	FROM	W03_SPACE	?		DFH520.CICS.SDFHSAMP	DFH0PZTK	295	DFH520.CICS.SDFHSAMP	DFH0ZTK	PROJ1

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Lines: 9

The "EXEC CICS SEND"
programs

PL/1 – CICS Access

The screenshot shows the XINFO PC Client interface with the 'PL/I - DLI Access' dialog box open. The dialog box contains the following fields:

Field	Value
Main Program	= []
Main Lib	= []
Source Member	= []
Source Lib	= []
Prepro-Macro	= []
Line	= []
PSB	= []
PCB	= []
Segment	= []
Action	= []
Segment No. in Stmt	= []
DLI-Statement	= []
Type of Call	= []
Load Module	= []
System	= []

A callout bubble points to the PCB field with the text: "Which CICS statements are used?"

At the bottom of the dialog box, there are buttons for "OK", "Actions", and "Cancel".

The background shows the XINFO PC Client workspace tree with the following structure:

- PL/I
 - General Information
 - Include
 - Call
 - Procedures/Functions
 - File Access
 - File Declarations
 - DB2 Access
 - CICS Access
 - DLI Access**
 - MQSeries Calls
 - Variables
 - Variable Usage
 - Prepro Variables
 - Literals
 - Comments
 - Source Content
 - Explorer
- XINFO

At the bottom of the XINFO PC Client window, it says: "Connected as: P392e, file: XX40T#25"

PL/1 – CICS Access Grouped

... use the Group function to get an overview ...

MainPgm	PSB	PCB	Segment	Action	SNo	DLI-Statement	CallType	Prepro-Macro	Main-Lib	SrcMem
<all>	<..>	<..>	<all>	<all>	<..>	<all>	<all>	<all>	<all>	<..>
DFH\$DLPC				GU		CALL PLITDLI(FOUR,GU,DLIPCB,SEGRETRN,SSA1)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				GN		CALL PLITDLI(THREE,GN,DLIPCB,SEGRETRN)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				GN		CALL PLITDLI(THREE,GN,DLIPCB,SEGRETRN)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				GHU		CALL PLITDLI(FIVE,GHU,DLIPCB,SEGRETRN,SSA1,SSA2)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				REPL		CALL PLITDLI(THREE,REPL,DLIPCB,SEGRETRN)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				GHU		CALL PLITDLI(FOUR,GHU,DLIPCB,SEGRETRN,SSA1)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				DLET		CALL PLITDLI(THREE,DLET,DLIPCB,SEGRETRN)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				ISRT		CALL PLITDLI(FOUR,ISRT,DLIPCB,SEGRETRN,SSA1)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				ISRT		CALL PLITDLI(FIVE,ISRT,DLIPCB,SEGRETRN,SSA1,SSA2)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				GU		CALL PLITDLI(FOUR,GU,DLIPCB,SEGRETRN,SSA1)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				GU		CALL PLITDLI(FIVE,GU,DLIPCB,SEGRETRN,SSA1,SSA2)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC	?			SCHD		CALL PLITDLI(THREE,PCB,PSBNAME,UIBPTR)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPC				TERM		CALL PLITDLI(ONE,TERM)	PLITDLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPE			?	GU	1	GU SEGMENT(PARTROOT) INTO(SEGRETRN) WHERE(...)	EXEC DLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPE				GN		GN INTO(SEGRETRN)	EXEC DLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPE				GN		GN INTO(SEGRETRN)	EXEC DLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPE			?	GU	1	GU SEGMENT(PARTROOT) WHERE(...) SEGMENT(STOKSTAT) WHERE(...) LOCKED INTO(SEGRETRN)	EXEC DLI		DFH520.CICS.SDFHSAMP	DFH\$DL
DFH\$DLPE			?	GU	2	GU SEGMENT(PARTROOT) WHERE(...) SEGMENT(STOKSTAT) WHERE(...) LOCKED INTO(SEGRETRN)	EXEC DLI		DFH520.CICS.SDFHSAMP	DFH\$DL

All CICS statements ...

Connected as: P392e, file: XX40T#25

Lines: 48

PL/1 – CICS Access Grouped

The screenshot displays the XINFO PC Client interface for PL/1 DLI Access. A 'Group By...' dialog box is open, allowing the user to select a column for grouping. The 'Action' column is selected, indicated by a red box and a callout bubble that says 'Select Action ...'. The background table shows the following data:

MainPgm	PSB	PCB	Segment	Action	SNo	DLI-S
<all>	<..>	<..>	<all>	<all>	<..>	<all>
DFH\$DLPC				GU		CALL
DFH\$DLPC				GN		CALL
DFH\$DLPC				GN		CALL
DFH\$DLPC				GHU		CALL
DFH\$DLPC				REPL		CALL
DFH\$DLPC				GHU		CALL
DFH\$DLPC				DLET		CALL
DFH\$DLPC				ISRT		CALL
DFH\$DLPC				ISRT		CALL
DFH\$DLPC				GU		CALL
DFH\$DLPC				GU		CALL
DFH\$DLPC	?			SCHD		CALL
DFH\$DLPC				TERM		CALL
DFH\$DLPE			?	GU	1	GU S
DFH\$DLPE				GN		GN IN
DFH\$DLPE				GN		GN IN
DFH\$DLPE			?	GU	1	GU S
DFH\$DLPE			?	GU	2	GU S

PL/1 – CICS Access Grouped

XINFO PC Client - PL/I - DLI Access (Grouped)

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

PL/I - DLI Access PL/I - DLI Access (Grouped)

Count	Action
<all>	<all>
4	CHNG
2	DLET
2	GHU
4	GN
13	GU
13	ISRT
2	REPL
4	ROLL
2	SCHD
2	TERM

Workspace Tree

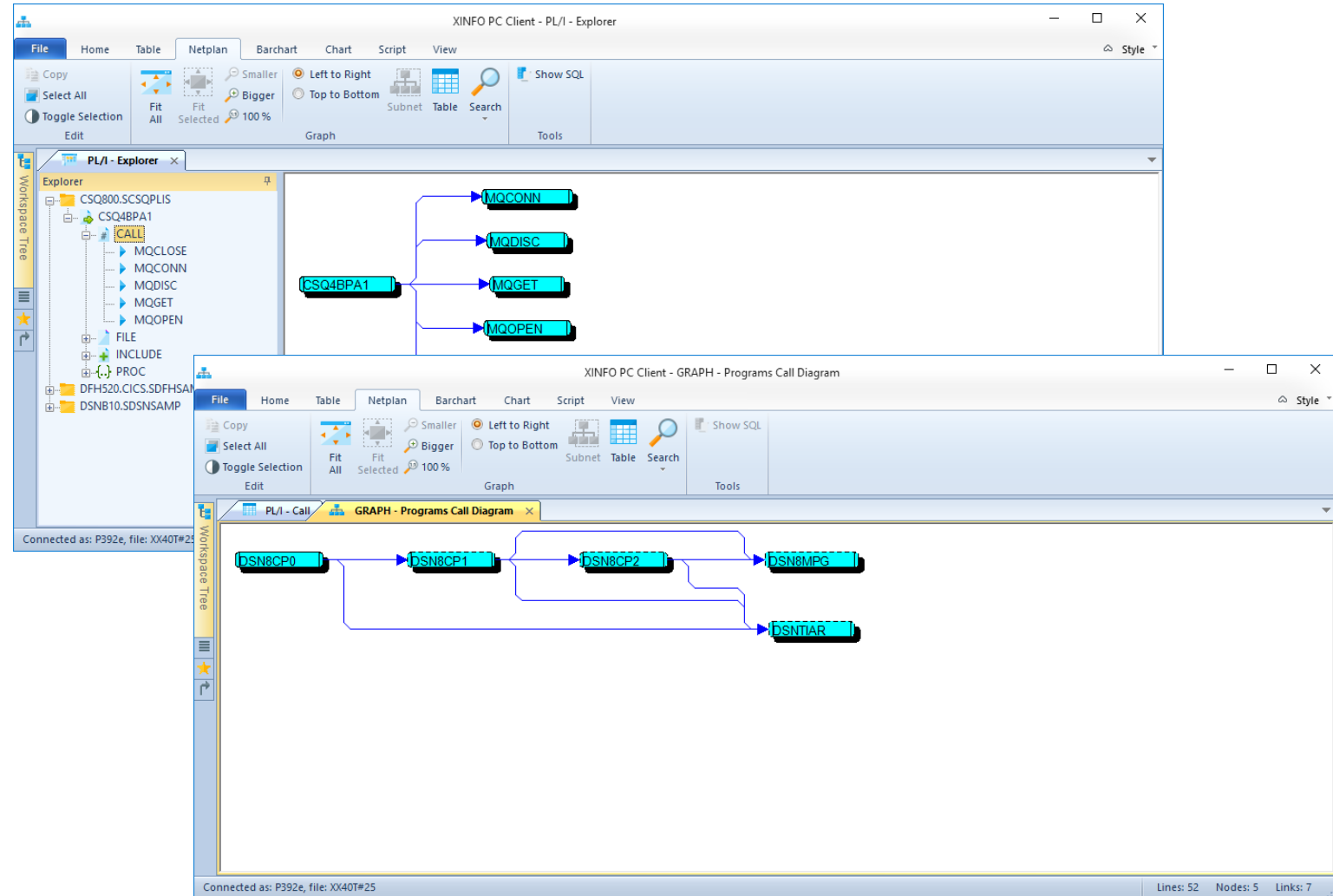
Connected as: P392e, file: XX40T#25 Lines: 10

“GU” and “ISRT” are used mostly

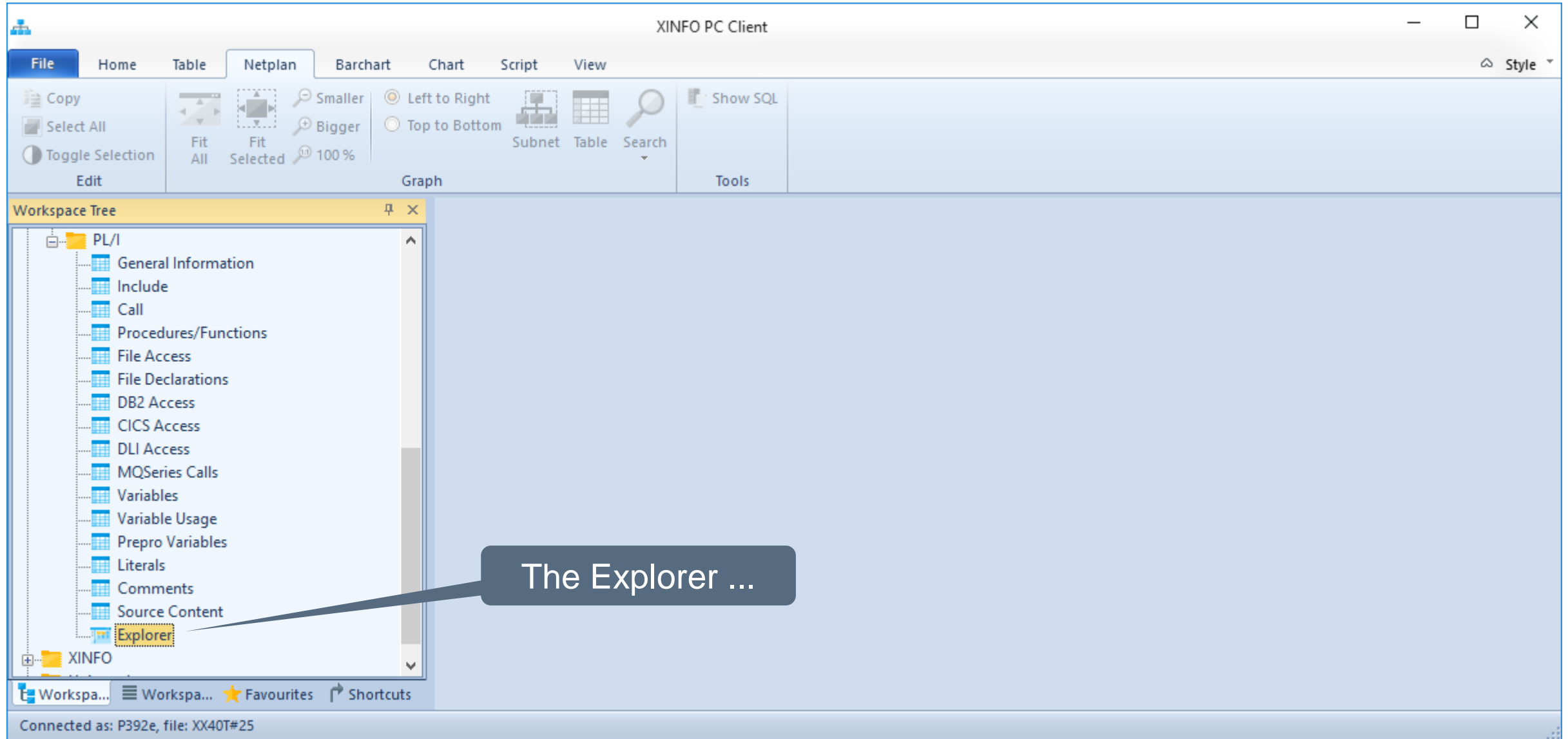
PL/1 – Graphics

Two different graphics are available for PL/1:

- The Explorer
- The CALL-Diagram



PL/1 – Explorer



The Explorer ...

PL/1 – Explorer

XINFO PC Client

PL/I - Explorer

Main Program	=	▼	DSN*
Main Lib	=	▼	
Uses EXEC SQL (Y/N)	=	▼	Y
Uses EXEC CICS(Y/N)	=	▼	
Uses EXEC DLI (Y/N)	=	▼	
Uses CALL (Y/N)	=	▼	Y
Uses Fetch (Y/N)	=	▼	
Dynamic SQL (Y/N)	=	▼	
Last Update User	=	▼	
Last Update Date	=	▼	DD.MM.YYYY
Last Update Time	=	▼	HH:MM
Load Module	=	▼	
System	=	▼	

OK Actions Cancel

... specify selection criteria

PL/1 – Explorer

The screenshot shows the XINFO PC Client - PL/1 - Explorer interface. The main window displays a file explorer view of the directory `DSNB10.SDSNSAMP`. The Explorer pane on the left lists various program symbols, each with a unique icon: a green arrow for CALLS, a blue document for FILES, a blue folder for INCLUDES, a blue document with a red 'X' for CICS, a blue document with a blue 'D' for DB2, and a green document with a blue 'P' for PROCs. A callout box at the top right contains the text: "Click with the left mouse onto a program symbol to get an overview about the elements ...". Several other callout boxes point to specific symbols in the Explorer pane, labeled with their respective types: CALLS, FILES, INCLUDES, CICS, DB2, and PROCs. The status bar at the bottom indicates the connection: "Connected as: P392e, file: XX40T#25".

PL/1 – Explorer

Click with the left mouse on "INCLUDE" to get a list with all INCLUDE members

Incl-Mem	SrcMemb	MainPgm	NL	F	Include-Lib	Main-Lib	Prepro-Macro	Line	Source-Lib	System
<all>	<all>	<all>			<all>	<all>	<all>	<all>	<all>	<all>
DSN8MPCA	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		178	DSNB10.SDSNSAMP	PROJ1
SQLCA	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		179	DSNB10.SDSNSAMP	PROJ1
DSN8MPDP	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		181	DSNB10.SDSNSAMP	PROJ1
DSN8MPEM	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		182	DSNB10.SDSNSAMP	PROJ1
DSN8MPED	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		183	DSNB10.SDSNSAMP	PROJ1
DSN8MPDM	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		184	DSNB10.SDSNSAMP	PROJ1
DSN8MPAD	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		185	DSNB10.SDSNSAMP	PROJ1
DSN8MPA2	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		186	DSNB10.SDSNSAMP	PROJ1
DSN8MPOV	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		188	DSNB10.SDSNSAMP	PROJ1
DSN8MPDT	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		189	DSNB10.SDSNSAMP	PROJ1
DSN8MPAL	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		192	DSNB10.SDSNSAMP	PROJ1
DSN8MPAE	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		193	DSNB10.SDSNSAMP	PROJ1
DSN8MPDA	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		194	DSNB10.SDSNSAMP	PROJ1
DSN8MPDH	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		195	DSNB10.SDSNSAMP	PROJ1
DSN8MPXX	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		339	DSNB10.SDSNSAMP	PROJ1
DSN8MPA	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		402	DSNB10.SDSNSAMP	PROJ1
DSN8MPD	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		403	DSNB10.SDSNSAMP	PROJ1
DSN8MPE	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		404	DSNB10.SDSNSAMP	PROJ1
DSN8MPF	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		405	DSNB10.SDSNSAMP	PROJ1

Connected as: P392e, file: XX40T#25

Lines: 19

PL/1 – Explorer

The screenshot displays the PL/1 Explorer interface. On the left is the 'Workspace Tree' showing a project structure with folders like DSN8CP1, DSN8CP2, CALL, CICS, DB2, and INCLUDE. Under INCLUDE, a sub-folder 'DSN8MPA' is selected. The main area shows a 'Details' window for the selected file, listing various attributes and their values. A callout bubble points to this window with the text 'A double click gives you detailed information'. To the right, a source code window shows a list of source code lines, each with a line number, source library name, and system name.

Name	Value
Client	
Environment	
Main Program	DSN8MPA
Main Lib	DSN8CP2
Uses EXEC SQL (Y/N)	DSN8CP2
Uses EXEC CICS(Y/N)	1
Uses EXEC DLI (Y/N)	Y
Uses CALL (Y/N)	DSNB10.SDSNSAMP
Dynamic SQL (Y/N)	DSNB10.SDSNSAMP
Last Update User	
Last Update Date	402
Last Update Time	DSNB10.SDSNSAMP
System	PROJ1

Source-Lib	System
<all>	<all>
8 DSNB10.SDSNSAMP	PROJ1
9 DSNB10.SDSNSAMP	PROJ1
1 DSNB10.SDSNSAMP	PROJ1
2 DSNB10.SDSNSAMP	PROJ1
3 DSNB10.SDSNSAMP	PROJ1
4 DSNB10.SDSNSAMP	PROJ1
5 DSNB10.SDSNSAMP	PROJ1
6 DSNB10.SDSNSAMP	PROJ1
8 DSNB10.SDSNSAMP	PROJ1
9 DSNB10.SDSNSAMP	PROJ1
2 DSNB10.SDSNSAMP	PROJ1
3 DSNB10.SDSNSAMP	PROJ1
4 DSNB10.SDSNSAMP	PROJ1
5 DSNB10.SDSNSAMP	PROJ1
9 DSNB10.SDSNSAMP	PROJ1
2 DSNB10.SDSNSAMP	PROJ1
3 DSNB10.SDSNSAMP	PROJ1
4 DSNB10.SDSNSAMP	PROJ1
5 DSNB10.SDSNSAMP	PROJ1

A double click gives you detailed information

PL/1 – Explorer

The screenshot shows the XINFO PC Client - PL/1 - Explorer interface. A context menu is open over the 'DSN8CP1' node in the Explorer tree, with 'Browse' selected. A callout box points to the 'Browse' option with the text: 'Use the right mouse to browse the source of the program'. The main table displays a list of program members with columns: Client, Environm, Incl-Mem, SrcMemb, MainPgm, NL, F, Include-Lib, Main-Lib, Prepro-Macro, Line, Source-Lib, and System.

Client	Environm	Incl-Mem	SrcMemb	MainPgm	NL	F	Include-Lib	Main-Lib	Prepro-Macro	Line	Source-Lib	System
<all>	<all>	<all>	<all>	<all>			<all>	<all>	<all>	<all>	<all>	<all>
		DSN8MPCA	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		178	DSNB10.SDSNSAMP	PROJ1
		SQLCA	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		179	DSNB10.SDSNSAMP	PROJ1
		DSN8MPDP	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		181	DSNB10.SDSNSAMP	PROJ1
		DSN8MPEM	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		182	DSNB10.SDSNSAMP	PROJ1
		DSN8MPED	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		183	DSNB10.SDSNSAMP	PROJ1
		DSN8MPDM	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		184	DSNB10.SDSNSAMP	PROJ1
		DSN8MPAD	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		185	DSNB10.SDSNSAMP	PROJ1
		DSN8MPA2	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		186	DSNB10.SDSNSAMP	PROJ1
		DSN8MPOV	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		188	DSNB10.SDSNSAMP	PROJ1
		DSN8MPDT	DSN8CP2	DSN8CP2	1	N		DSNB10.SDSNSAMP		189	DSNB10.SDSNSAMP	PROJ1
		DSN8MPAL	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		192	DSNB10.SDSNSAMP	PROJ1
		DSN8MPAE	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		193	DSNB10.SDSNSAMP	PROJ1
		DSN8MPDA	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		194	DSNB10.SDSNSAMP	PROJ1
		DSN8MPDH	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		195	DSNB10.SDSNSAMP	PROJ1
		DSN8MPXX	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		339	DSNB10.SDSNSAMP	PROJ1
		DSN8MPA	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		402	DSNB10.SDSNSAMP	PROJ1
		DSN8MPD	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		403	DSNB10.SDSNSAMP	PROJ1
		DSN8MPE	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		404	DSNB10.SDSNSAMP	PROJ1
		DSN8MPF	DSN8CP2	DSN8CP2	1	Y	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP		405	DSNB10.SDSNSAMP	PROJ1

Connected as: P392e, file: XX40T#25 Lines: 19

Use the right mouse to browse the source of the program

PL/I – Explorer

```
1 DSN8CP2: PROC(COMMPTR) OPTIONS(MAIN); /* SQL 2 FOR CICS AND PLI */ 00010000
2                                     %PAGE; 00020000
3 /****** 00030000
4 * 00040000
5 * MODULE NAME = DSN8CP2 00050000
6 * 00060000
7 * DESCRIPTIVE NAME = DB2 SAMPLE APPLICATION 00070000
8 * SQL 2 COMMON MODULE 00080000
9 * CICS 00090000
10 * PL/I 00100000
11 * ORGANIZATION APPLICATION 00110000
12 * 00120000
13 * LICENSED MATERIALS - PROPERTY OF IBM 00130000
14 * 5695-DB2 00136000
15 * (C) COPYRIGHT 1982, 1995 IBM CORP. ALL RIGHTS RESERVED. 00143000
16 * 00150000
17 * STATUS = VERSION 4 00160000
18 * 00170000
19 * FUNCTION = ROUTER FOR SECONDARY SELECTION AND/OR DETAIL PROCESSING 00180000
20 * CALLS SECONDARY SELECTION MODULES 00190000
21 * DSN8MPA DSN8MPM 00200000
22 * CALLS DETAIL MODULES 00210000
23 * DSN8MPD DSN8MPE DSN8MPF 00220000
24 * DSN8MPT DSN8MPV DSN8MPW DSN8MPX DSN8MPZ 00230000
25 * CALLED BY DSN8MP1 (SQL1) 00240000
26 * 00250000
27 * NOTES = NONE 00260000
28 * 00270000
29 * MODULE TYPE = BLOCK OF PL/I CODE 00280000
30 * PROCESSOR - DB2 DB2COMPT1ED PL/I T QDTTMT7ED 00290000
```

PL/1 – Call Diagram

If you need an overview about Sub programs: Select “Source“, then “Call Diagram”

Specify the program name ...

... and the nesting level ...

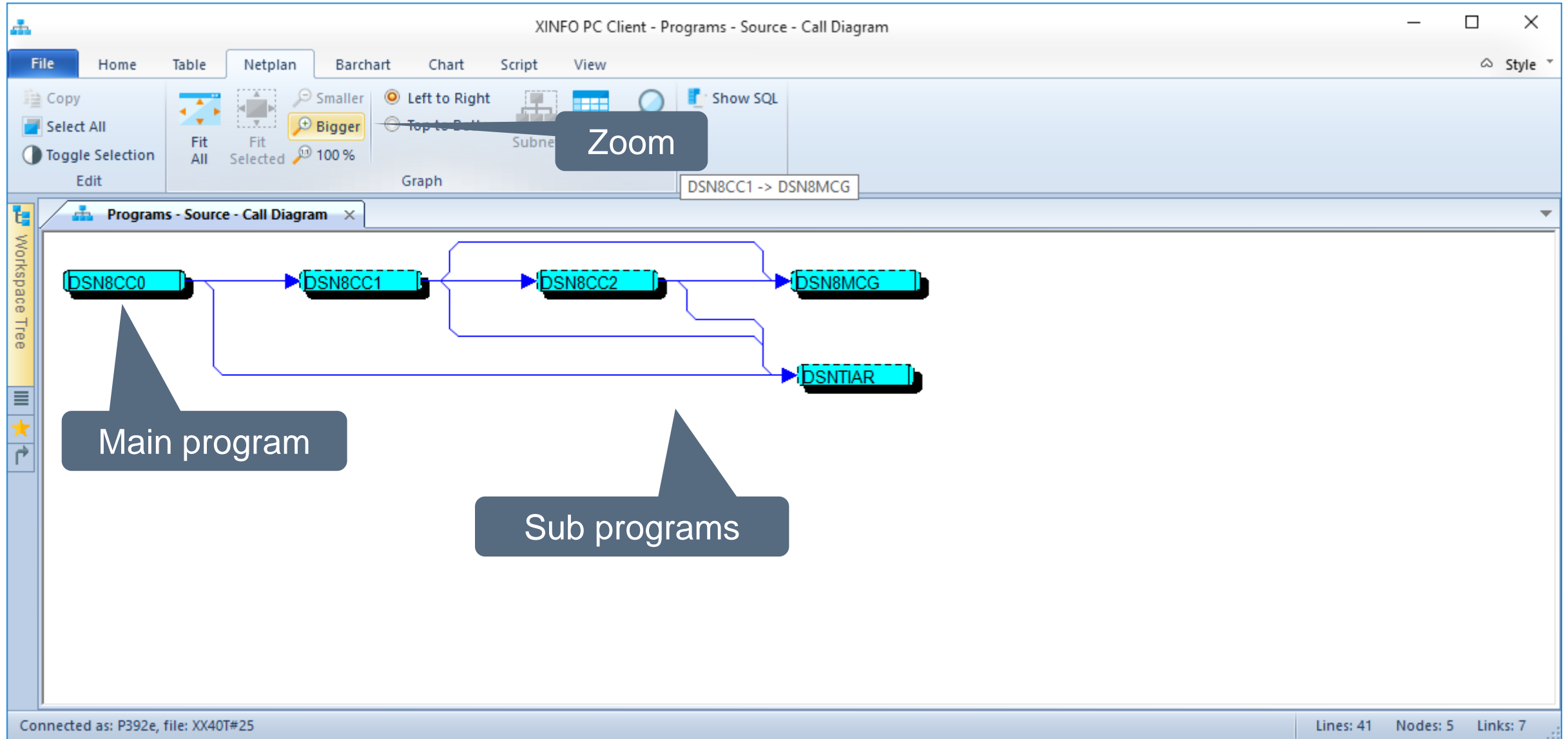
Programs - Source - Call Diagram

Program	=	▼	DSN8CC0
Program-Env.	=	▼	
Predecessor level	▼		0
Successor level	▼		99

OK Actions ▼ Cancel

Connected as: P392e, file: XX40T#25

PL/1 – Call Diagram



Thanks for your attention! Do you have any questions?

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

HORIZONT

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