



HORIZONT

XINFO – Programming Languages z/OS – Cobol

What is this presentation about?

This PowerPoint gives you a short overview about XINFO's Cobol Interface.

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 – Cobol

General program information

Copy (which program uses which copy member)

Call (which program calls which program)

Graphics (“inter language” call graph)

Select/Assign, file access, file section (file usage)

DB2 access (EXEC SQL Statements)

CICS access (EXEC CICS)

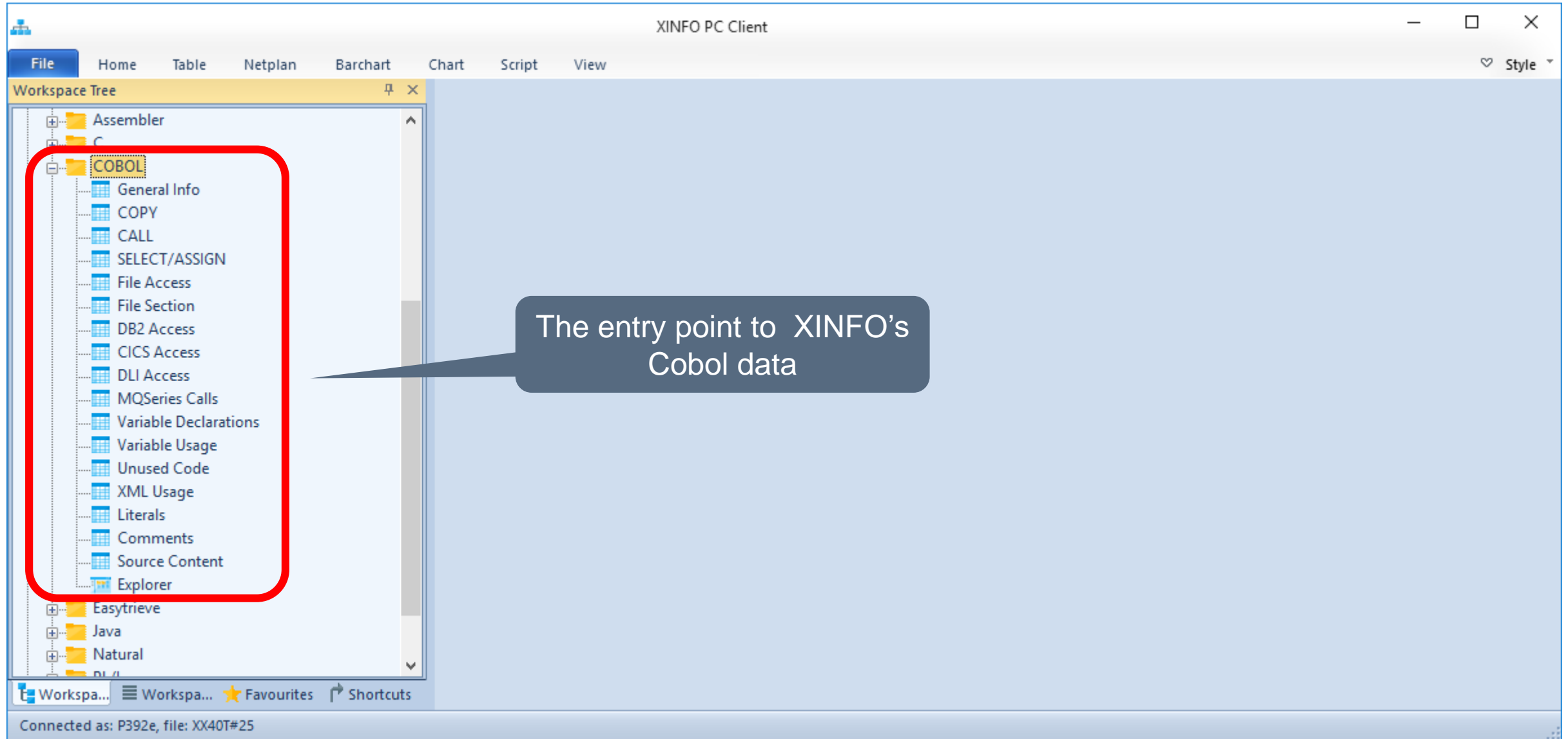
DLI access (IMS, EXEC DLI and CBLTDLI)

Variable declarations, variable usage

Unused code

Comments

Cobol – General Info



The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left lists various folders and sub-items. The 'COBOL' folder is highlighted with a red rounded rectangle. A callout box points to this folder with the text: 'The entry point to XINFO's Cobol data'. The 'COBOL' folder contains the following sub-items:

- General Info
- COPY
- CALL
- SELECT/ASSIGN
- File Access
- File Section
- DB2 Access
- CICS Access
- DLI Access
- MQSeries Calls
- Variable Declarations
- Variable Usage
- Unused Code
- XML Usage
- Literals
- Comments
- Source Content
- Explorer

Other folders visible in the tree include Assembler, Easytrieve, Java, and Natural. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

Cobol – General Info

The screenshot shows a 'COBOL - General Info' dialog box with various search criteria. A callout box highlights the search criteria: 'Search for programs by specifying attributes, e.g. - uses SQL - more than 1000 lines of code - was changed after a certain date'. The dialog box contains the following fields:

Attribute	Operator	Value
Main Program	=	
Main Lib	=	
Last Update User	=	
Last Update Date	=	DD.MM.YYYY
Last Update Time	=	HH:MM
Load Module	=	
System	=	
EXEC SQL (Y/N)	=	
Dynamic SQL (Y/N)	=	
EXEC CICS (Y/N)	=	
EXEC DLI (Y/N)	=	
EXEC ADABAS (Y/N)	=	
Copy Data	=	
Call Data	=	
File Data	=	
File Use Data(Y/N)	=	
File Def. Data(Y/N)	=	
DB2 Data (Y/N)	=	
CICS Data (Y/N)	=	
IMS/DLI Data (Y/N)	=	
Variable Data (Y/N)	=	
Comment Data (Y/N)	=	
Var-Usage Data(Y/N)	=	
Dead-Code Data(Y/N)	=	
XML-Usage Data(Y/N)	=	
Literals Data (Y/N)	=	
Source Lines Main	=	
Source Lines Total	=	
Comment Lines Main	=	
Comment Lines Total	=	

Buttons: OK, Actions, Cancel

Search for programs by specifying attributes, e.g.

- uses SQL
- more than 1000 lines of code
- was changed after a certain date

Cobol – General Info

XINFO PC Client - COBOL - General Info

File Home Table Netplan Barchart Chart Script View Style

COBOL - General Info

MainPgm	EXEC-SQL	EXEC-CICS	EXEC-DLI	DynSQL	EXEC-ADABAS	Upd:User	Upd:Date	Upd:T	Load-Mod	Main-Lib	System	Copy	Call	File	FileU	FileD	DB2	CICS
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
ACCT01	N	Y	N	N	N				ACCT01	DFH520.CICS.SDFHSAMP	COBSYS1	Y	Y	N	N	Y	N	Y
ACCT02	N	Y	N	N	N				ACCT02	DFH520.CICS.SDFHSAMP	COBSYS1	Y	Y	N	N	Y	N	Y
ACCT03	N	Y	N	N	N				ACCT03	DFH520.CICS.SDFHSAMP	COBSYS1	Y	Y	N	N	N	N	Y
ACCT04	N	Y	N	N	N				ACCT04	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFHISCIP	N	Y	N	N	N				DFHISCIP	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFHPGAOX	N	Y	N	N	N				DFHPGAOX	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFHWBAOX	N	Y	N	N	N				DFHWBAOX	DFH520.CICS.SDFHSAMP	COBSYS1	Y	Y	N	N	N	N	Y
DFHZCTDX	N	Y	N	N	N				DFHZCTDX	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0BAT1	N	Y	N	N	N				DFH0BAT1	DFH520.CICS.SDFHSAMP	COBSYS1	Y	Y	N	N	N	N	Y
DFH0BAT2	N	Y	N	N	N				DFH0BAT2	DFH520.CICS.SDFHSAMP	COBSYS1	Y	Y	N	N	N	N	Y
DFH0BAT3	N	Y	N	N	N				DFH0BAT3	DFH520.CICS.SDFHSAMP	COBSYS1	Y	Y	N	N	N	N	Y
DFH0BAT4	N	Y	N	N	N				DFH0BAT4	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0BAT5	N	Y	N	N	N				DFH0BAT5	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0BAT6	N	Y	N	N	N				DFH0BAT6	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0BAT7	N	Y	N	N	N				DFH0BAT7	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0BAT8	N	Y	N	N	N				DFH0BAT8	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0CALL	N	Y	N	N	N				DFH0CALL	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0CBAC	N	Y	N	N	N				DFH0CBAC	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0CBAE	N	Y	N	N	N				DFH0CBAE	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0CBAI	N	Y	N	N	N				DFH0CBAI	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0CBAO	N	Y	N	N	N				DFH0CBAO	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y
DFH0CBDC	N	N	N	N	N				DFH0CBDC	DFH520.CICS.SDFHSAMP	COBSYS1	N	N	Y	Y	Y	N	N
DFH0CBRC	N	Y	N	N	N				DFH0CBRC	DFH520.CICS.SDFHSAMP	COBSYS1	Y	Y	N	N	N	N	Y
DFH0CBRL	N	Y	N	N	N				DFH0CBRL	DFH520.CICS.SDFHSAMP	COBSYS1	Y	N	N	N	N	N	Y

Workspace Tree

Program names

SQL, CICS, DLI etc. Y/N

Code line qty

Comments qty

Load module name:

- source member or program id or
- external translation

Connected as: P392e, lile: 00401#25

Lines: 198

Cobol – Copy

The screenshot shows the XINFO PC Client interface. On the left is a 'Workspace Tree' with a 'COBOL' folder expanded to show a 'COPY' member. The main window displays the 'COBOL - COPY' dialog box with the following fields:

Main Program	=	[Dropdown]	[Text Box]
Main Lib	=	[Dropdown]	[Text Box]
Source Member	=	[Dropdown]	[Text Box]
Line	=	[Dropdown]	[Text Box]
COPY Member	=	[Dropdown]	DFH0BCA
Found (Y/N)	=	[Dropdown]	[Text Box]
COPY Lib	=	[Dropdown]	[Text Box]
Nesting Level	=	[Dropdown]	[Text Box]
Replacing (Y/N)	=	[Dropdown]	[Text Box]
SQL-Include (Y/N)	=	[Dropdown]	[Text Box]
Source Lib	=	[Dropdown]	[Text Box]
Load Module	=	[Dropdown]	[Text Box]
System	=	[Dropdown]	[Text Box]

At the bottom of the dialog are 'OK', 'Actions', and 'Cancel' buttons. A callout box with a pointer to the 'COPY Member' field contains the text: "Which programs are using this copy member?"

Cobol – Copy

XINFO PC Client - COBOL - COPY

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

COBOL - COPY

MainPgm	SrcMemb	Line	COPY-Mem	F	COPY-Lib	Nest	R	S	Source-Lib	System	Load-Mod	Main-Lib
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DFH0VAB	DFH0VAB	53	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VAB	DFH520.CICS.SDFHSAMP
DFH0VABT	DFH0VABT	57	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VABT	DFH520.CICS.SDFHSAMP
DFH0VBRW	DFH0VBRW	65	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VBRW	DFH520.CICS.SDFHSAMP
DFH0VDEL	DFH0VDEL	64	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VDEL	DFH520.CICS.SDFHSAMP
DFH0VDQ	DFH0VDQ	67	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VDQ	DFH520.CICS.SDFHSAMP
DFH0VHLP	DFH0VHLP	57	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VHLP	DFH520.CICS.SDFHSAMP
DFH0VHP	DFH0VHP	59	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VHP	DFH520.CICS.SDFHSAMP
DFH0VLIO	DFH0VLIO	57	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VLIO	DFH520.CICS.SDFHSAMP
DFH0VLST	DFH0VLST	65	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VLST	DFH520.CICS.SDFHSAMP
DFH0VNEW	DFH0VNEW	63	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VNEW	DFH520.CICS.SDFHSAMP
DFH0VOL	DFH0VOL	64	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VOL	DFH520.CICS.SDFHSAMP
DFH0VOPN	DFH0VOPN	79	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VOPN	DFH520.CICS.SDFHSAMP
DFH0VPRT	DFH0VPRT	57	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VPRT	DFH520.CICS.SDFHSAMP
DFH0VRIO	DFH0VRIO	78	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VRIO	DFH520.CICS.SDFHSAMP
DFH0VSAS	DFH0VSAS	59	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VSAS	DFH520.CICS.SDFHSAMP
DFH0VTBL	DFH0VTBL	56	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VTBL	DFH520.CICS.SDFHSAMP
DFH0VT1	DFH0VT1	65	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VT1	DFH520.CICS.SDFHSAMP
DFH0VUPD	DFH0VUPD	65	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VUPD	DFH520.CICS.SDFHSAMP

Programs

Copy statement found

Nesting Level (Copy in Copy)

Replacing Y/N

SQL include Y/N

Lines: 18

Cobol – Copy

The screenshot shows the XINFO PC Client interface for COBOL COPY. The main window displays a table of copy members with columns: MainPgm, SrcMemb, Line, COPY-Mem, F, COPY-Lib, Nest, R, S, Source-Lib, System, Load-Mod, and Main-Lib. A context menu is open over the first row, showing options: 'Browse', 'Member with Incl Stmt', 'The Copy Member', and 'The Main Member'. A blue callout box points to the 'The Copy Member' option with the text: 'Right mouse click e.g. shows copy member'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25' and 'Lines: 18'.

MainPgm	SrcMemb	Line	COPY-Mem	F	COPY-Lib	Nest	R	S	Source-Lib	System	Load-Mod	Main-Lib
DFH0VAB	DFH0VAB	53	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VAB	DFH520.CICS.SDFHSAMP
DFH0VABT	DFH0VABT				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VABT	DFH520.CICS.SDFHSAMP
DFH0VBRV	CA7				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VBRW	DFH520.CICS.SDFHSAMP
DFH0VDEL	CICS				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VDEL	DFH520.CICS.SDFHSAMP
DFH0VDQ					DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VDQ	DFH520.CICS.SDFHSAMP
DFH0VHLP	COBOL			Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VHLP	DFH520.CICS.SDFHSAMP
DFH0VHP	DB2				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VHP	DFH520.CICS.SDFHSAMP
DFH0VLIO	GRAPH				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VLIO	DFH520.CICS.SDFHSAMP
DFH0VLST					DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VLST	DFH520.CICS.SDFHSAMP
DFH0VNEW	IMS				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VNEW	DFH520.CICS.SDFHSAMP
DFH0VOL	JCL				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VOL	DFH520.CICS.SDFHSAMP
DFH0VOPN	Programs				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VOPN	DFH520.CICS.SDFHSAMP
DFH0VPRT	SMF				DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VPRT	DFH520.CICS.SDFHSAMP
DFH0VRIO					DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VRIO	DFH520.CICS.SDFHSAMP
DFH0VSAS	DFH0VSAS	59	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VSAS	DFH520.CICS.SDFHSAMP
DFH0VTBL	DFH0VTBL	56	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VTBL	DFH520.CICS.SDFHSAMP
DFH0VT1	DFH0VT1	65	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VT1	DFH520.CICS.SDFHSAMP
DFH0VUPD	DFH0VUPD	63	DFH0BCA	Y	DFH520.CICS.SDFHSAMP	1	N	N	DFH520.CICS.SDFHSAMP	COBSYS1	DFH0VUPD	DFH520.CICS.SDFHSAMP

Right mouse click e.g. shows copy member

Cobol – Copy

```
39      77 SELECT-DELETE-IND          PIC X    VALUE 'd'.
40      77 SELECT-UPDATE-IND         PIC X    VALUE 'u'.
41      77 SELECT-BROWSE-IND         PIC X    VALUE 'b'.
42      77 PROCESSING-DELETE-IND     PIC X    VALUE 'D'.
43      77 PROCESSING-UPDATE-IND     PIC X    VALUE 'U'.
44      77 PROCESSING-BROWSE-IND     PIC X    VALUE 'B'.
45      77 PROCESSING-NEW-IND        PIC X    VALUE 'N'.
46      77 PROCESSING-SAS-IND        PIC X    VALUE 'S'.
47      77 COMPLETE-DELETE-IND      PIC X
48      77 COMPLETE-UPDATE-IND      PIC X
49      77 COMPLETE-BROWSE-IND      PIC X
50      77 CMLPTE-DLTE-RETND-TO-LST  PIC X
51      77 CMLPTE-UPDT-RETND-TO-LST PIC X
52      77 CMLPTE-BRWS-RETND-TO-LST-IND VALUE '3'.
53      01 TSQ-NAME.
54          05 TSQ-PREFIX            PIC X(4).
55          05 TSQ-TBMTD             PIC X(4)
56      77 ABEND-HANDLER             PIC X(8) VALUE 'DFH0VAB'.
57      77 PROGRAM-ROUTER            PIC X(8) VALUE 'DFH0VPRG'.
58      77 LOCAL-IO-HANDLER          PIC X(8) VALUE 'DFH0VLI0'.
59      77 REMOTE-IO-HANDLER         PIC X(8) VALUE 'DFH0VRIO'.
60      77 TRANSFER-CONTROL-IND      PIC X    VALUE 'X'.
61      77 RESET-PANEL-IND          PIC X    VALUE 'R'.
62      77 SEARCH-ACTION-IND        PIC X    VALUE '1'.
63      77 SEARCH-BASE-IND          PIC X    VALUE '2'.
64      77 SEARCH-SELECTION-IND     PIC X    VALUE '3'.
65      77 SEARCH-ACTION-BASE-IND    PIC X    VALUE '4'.
66      77 SEARCH-ACTIONBASE-TO-OL-IND PIC X    VALUE '5'.
67      77 SEARCH-FK-IND            PIC X    VALUE '6'.
68      77 FILE-DISPLAYED           PIC X    VALUE 'F'
```

Next example:
Declaration of a program name

Search for Search << >>

OK Copy Print... Save As...

Cobol – Call

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: "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 folder structure: C > COBOL > CALL. The "CALL" item is highlighted with a yellow border. A dark blue callout box with white text points to the "CALL" item, containing the text "Select option 3 - CALL". At the bottom of the window, the status bar shows "Connected as: P392e, file: XX40T#25".

Select option 3 - CALL

Cobol – Call

The screenshot shows the XINFO PC Client interface with a 'COBOL - CALL' dialog box open. The dialog box contains a list of fields for configuring a COBOL call. The 'Called Proc / ?' field is highlighted with a red box and contains the text 'DFH0VTBL'. A callout bubble points to this field with the text 'Which programs are calling this program?'.

Field	Value
Main Program	=
Main Lib	=
Source Member	=
Line	=
Is Proc decl. (Y/N)	=
Calling Proc	=
Called Proc / ?	DFH0VTBL
Called Proc SymName	=
Parameter Vars	=
Source Lib	=
Type of Call	=
Load Module	=
System	=

Which programs are calling this program?

Cobol – Call

MainPgm	SrcMemb	Line	D	Calling Proc	CalledNm	Called Proc SymName (Variable)	Parameter Vars	Source-Lib	C-Method	Load-Mod	Main-Lib	System
<all>	<all>	<..>		<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DFH0VABT	DFH0VABT	341	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VABT	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VBRW	DFH0VBRW	848	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VBRW	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VDEL	DFH0VDEL	1092	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VDEL	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VHLP	DFH0VHLP	322	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VHLP	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VHP	DFH0VHP	419	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VHP	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VLST	DFH0VLST	1049	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VLST	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VNEW	DFH0VNEW	914	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VNEW	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VOL	DFH0VOL	801	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VOL	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VOPN	DFH0VOPN	759	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VOPN	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VPRT	DFH0VPRT	341	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VPRT	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VSAS	DFH0VSAS	608	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VSAS	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VT1	DFH0VT1	223	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VT1	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VUPD	DFH0VUPD	768	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VT1	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VUPD	DFH0VUPD	1098	N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VUPD	DFH520.CICS.SDFHSAMP	COBSYS1

Calling programs

Called program

Section within the program (not used in this example)

Variable name

Parameters

Connected as: P392e, file: X

Lines: 14

Cobol – Call

The screenshot shows the XINFO PC Client interface for COBOL - CALL. The main window displays a table with columns: MainPgm, SrcMemb, Line, D, Calling Proc, CalledNm, Called Proc SymName (Variable), Parameter Vars, Source-Lib, C-Method, Load-Mod, Main-Lib, and System. A context menu is open over the first row (DFH0VABT), showing options like 'Browse', 'Member with CALL Stmt', and 'The Main Member'. A callout box points to the 'Browse' option with the text: 'Right mouse click e.g. shows source member'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25' and 'Lines: 14'.

MainPgm	SrcMemb	Line	D	Calling Proc	CalledNm	Called Proc SymName (Variable)	Parameter Vars	Source-Lib	C-Method	Load-Mod	Main-Lib	System
DFH0VABT	DFH0VART	341	N		DFH0VTBI	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VABT	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VBRV						PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VBRW	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VDEL						PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VDEL	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VHLP	CA7					PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VHLP	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VHP	CICS		N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VHP	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VLST	COBOL		N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VLST	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VNEW	DB2		N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VNEW	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VOL			N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VOL	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VOPN	GRAPH		N			PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VOPN	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VPRT	IMS		N				DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VPRT	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VSAS	JCL		N				DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VSAS	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VT1	Programs		N				DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VT1	DFH520.CICS.SDFHSAMP	COBSYS1
DFH0VUPD	SMF		N		DFH0VTBL	PROGRAM-ROUTER	DFHEIBLK,DFHCOMMAREA	DFH520.CICS.SDFHSAMP	CALL	DFH0VUPD	DFH520.CICS.SDFHSAMP	COBSYS1

Cobol – Call

```
Browse: DFH520.CICS.SDFHSAMP(DFH0VABT)
341 CALL PROGRAM-ROUTER USING DFHEIBLK, DFHCOMMAREA.
342 MOVE DFHCOMMAREA TO WS-HOLD-AREA.
343
344 SEARCH-TABLE-EXIT.
345 EXIT.
346
347 XCTL-NEXT-PROGRAM SECTION.
348
349 MOVE TRANSFER-CONTROL-IND TO COMM-STATE-IND.
350
351 EXEC CICS XCTL PROGRAM(COMM-NEXT-PROGRAM)
352             COMMAREA(COMM-COMMAR)
353             LENGTH(LENGTH OF COMM-COMMAR)
354             RESP(ABT-RESP)
355             END-EXEC.
356
357 EVALUATE ABT-RESP
358   WHEN DFHRESP(NORMAL)
359     CONTINUE
360   WHEN OTHER
361     MOVE M021 TO ABTMSGO
362     PERFORM RETURN-ERROR
363   END-EVALUATE.
364
365 XCTL-NEXT-PROGRAM-EXIT.
366 EXIT.
367
368 RETURN-ERROR SECTION.
369
370 DEFEODM SEND-ART-DAMEI
```

Source with dynamic call.
A previous “MOVE pgmname to varname” was translated by XINFO’s scanner.

Cobol – Call

The screenshot shows the XINFO PC Client interface with the 'COBOL - CALL' dialog box open. The 'Main Program' field is highlighted with a red box and contains the value 'DSN8CC0'. A callout bubble points to this field with the text 'Question: Which programs are called by "DSN8CC0"?'.

Field	Value
Main Program	DSN8CC0
Main Lib	
Source Member	
Line	
Is Proc decl. (Y/N)	
Calling Proc	
Called Proc / ?	
Called Proc SymName	
Parameter Vars	
Source Lib	
Type of Call	
Load Module	
System	

Question:
Which programs are
called by "DSN8CC0"?

Cobol – Call

The screenshot shows the XINFO PC Client interface for COBOL - CALL. The main window displays a table with the following columns: MainPgm, SrcMemb, Line, D, Calling Proc, CalledNm, Called Proc SymName (Variable), Parameter Vars, Source-Lib, C-Method, Load-Mod, Main-Lib, and System. The table contains two rows of data:

MainPgm	SrcMemb	Line	D	Calling Proc	CalledNm	Called Proc SymName (Variable)	Parameter Vars	Source-Lib	C-Method	Load-Mod	Main-Lib	System
DSN8CC0	DSN8CC0	475	N	CC0-LABEL6	DSN8CC1		COMMAREA	DSNB10.SDSNSAMP	LINK	DSN8CC0	DSNB10.SDSNSAMP	COBSYS1
DSN8CC0	DSN8MCXX	87	N	DB-ERROR	DSNTIAR		SQLCA,ERROR-MESSAGE,DATA-LEN	DSNB10.SDSNSAMP	CALL	DSN8CC0	DSNB10.SDSNSAMP	COBSYS1

A red box highlights the 'CalledNm' column, and a callout bubble points to it with the text: "Answer: DSN8CC0 calls two programs (which may contain more program calls)".

Connected as: P392e, file: XX40T#25

Lines: 2

Programs Call

The screenshot displays the XINFO PC Client interface. The 'Programs - Source - Call' dialog box is open, showing a list of fields for program configuration. The 'MainModule' field is highlighted with a red box and contains the value 'DSN8CC0'. A callout bubble points to this field with the text 'Which programs are called by DSN8CC0?'. Another callout bubble points to the 'Call' folder in the 'Workspace Tree' with the text 'Program call shows all calls over multiple levels, independently of the used program language!'.

Field	Value
MainModule	DSN8CC0
MainSrcMem	
MainSrcLib	
MainLanguage	
SubPgm	
SubSrcMem	
SubSrcLib	
SubLanguage	
Sub-Environment	
Sub-Envir. Avail. Y/N	

Program Call

XINFO PC Client - Programs - Source - Call

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

MainMod	SubPgm	Level	Method	MainSrcM	MainSrcLib	MLng	SubSrcM	SubSrcLib	SLng	Sub-Env	F
<all>	<all>	<...>	<all>	<all>	<all>	<...>	<all>	<all>	<...>	<all>	
DSN8CC0	DSN8CC0	0	DUMMY	DSN8CC0	DSNB10.SDSNSAMP	COB	DSN8CC0	DSNB10.SDSNSAMP	COB		Y
DSN8CC0	DSN8CC1	1	LINK	DSN8CC0	DSNB10.SDSNSAMP	COB	DSN8CC1	DSNB10.SDSNSAMP	COB		Y
DSN8CC0	DSNTIAR	1	CALL	DSN8CC0	DSNB10.SDSNSAMP	COB					N
DSN8CC0	DSN8MCG	2	CALL	DSN8CC0	DSNB10.SDSNSAMP	COB	DSN8MCG	DSNB10.SDSNSAMP	COB		Y
DSN8CC0	DSN8CC2	2	LINK	DSN8CC0	DSNB10.SDSNSAMP	COB	DSN8CC2	DSNB10.SDSNSAMP	COB		Y

Connected as: P392e, file: XX40T#25

Lines: 5

All calls over all levels

Program Call Graph

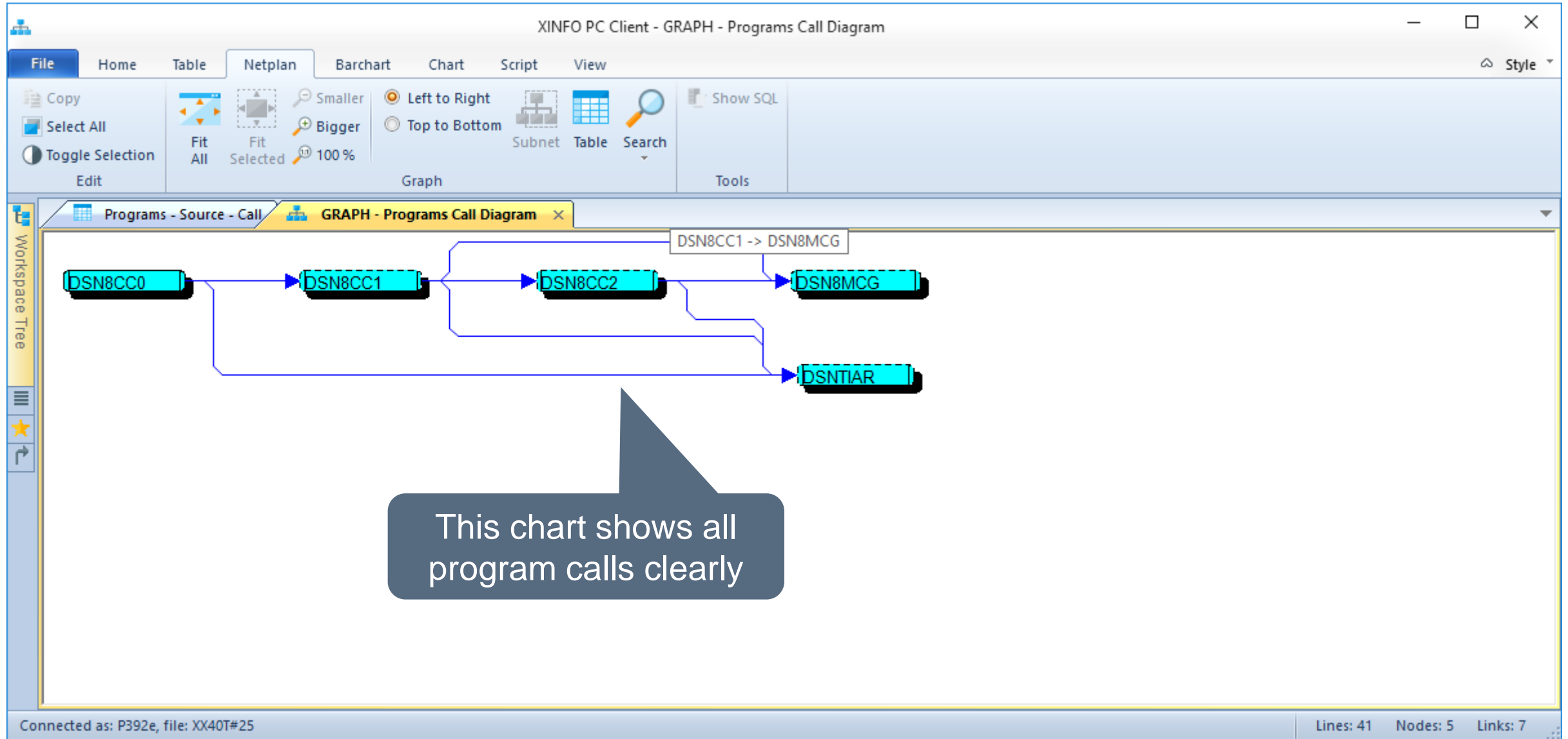
The screenshot shows the XINFO PC Client interface. The main window is titled 'XINFO PC Client - Programs - Source - Call'. The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The ribbon contains various options like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, Show SQL, Inverse Filter, and New Library Explorer. A context menu is open over the 'GRAPH' option, with 'Programs Call Diagram' selected. Two callout boxes provide instructions: 'Click on All - GRAPH - Programs Call Diagram...' and '... or right click on any record - GRAPH - Programs Call Diagram'. The main data table is visible in the background.

MainMod	SubPgm	Level	M
<all>	<all>	<...>	<all>
DSN8CC0	DSN8CC0	0	D
DSN8CC0	DSN8CC1	1	L
DSN8CC0	DSNTIAR	1	C
DSN8CC0	DSN8MCG	2	C
DSN8CC0	DSN8CC2	2	L

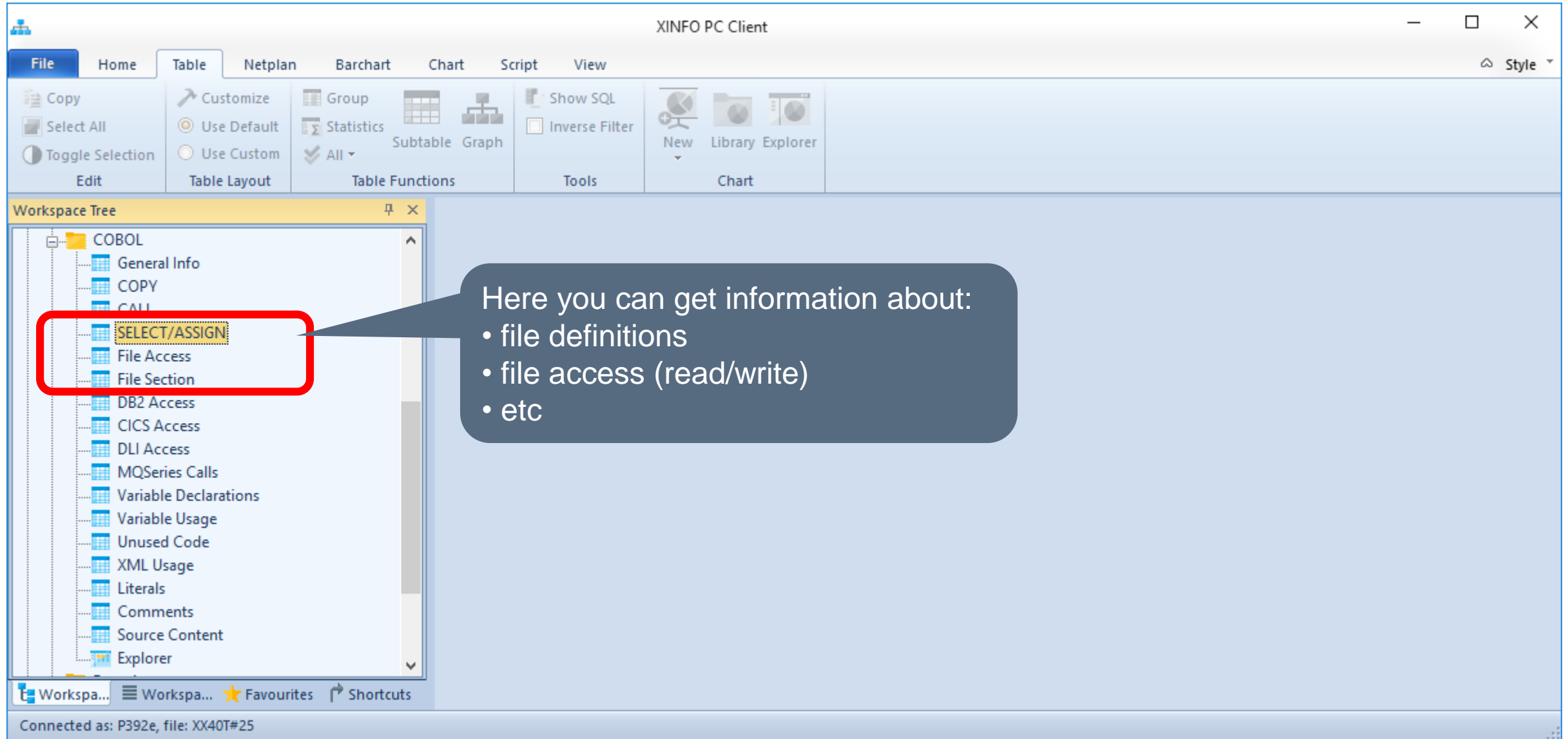
Click on All - GRAPH - Programs Call Diagram...

... or right click on any record - GRAPH - Programs Call Diagram

Program Call Graph



Cobol – Files



The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left lists various components under the 'COBOL' folder. The 'SELECT/ASSIGN' component is highlighted with a red rectangle. A callout box points to this component, containing the text: 'Here you can get information about:' followed by a bulleted list: 'file definitions', 'file access (read/write)', and 'etc'. The interface also shows a menu bar with options like File, Home, Table, Netplan, Barchart, Chart, Script, and View. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

Here you can get information about:

- file definitions
- file access (read/write)
- etc

Cobol – SELECT/ASSIGN

The screenshot shows the XINFO PC Client interface with a dialog box titled "COBOL - SELECT/ASSIGN". The dialog box contains the following fields:

Main Program	=	▼	DSN8*
Main Lib	=	▼	
Source Member	=	▼	
DD Name	=	▼	
File Name (intern.)	=	▼	
Assignment-Name	=	▼	*-S-*
Optional (Y/N)	=	▼	
Organisation	=	▼	
Access Mode	=	▼	
Reserve (Buffers)	=	▼	
Source Lib	=	▼	
Line	=	▼	
Load Module	=	▼	
System	=	▼	

Buttons at the bottom: OK, Actions ▼, Cancel.

Callout text: Search for Main Program "DSN8*" and Assignment-Name "*-S-*"

Workspace Tree (left):

- COBOL
 - General Info
 - COPY
 - CALL
 - SELECT/ASSIGN
 - File Access
 - File Section
 - DB2 Access
 - CICS Access
 - DLI Access
 - MQSeries Calls
 - Variable Declarations
 - Variable Usage
 - Unused Code
 - XML Usage
 - Literals
 - Comments
 - Source Content
 - Explorer

Bottom status bar: Connected as: P392e, file: XX40T#25

Cobol – SELECT/ASSIGN

The screenshot shows the XINFO PC Client interface for COBOL. The window title is "XINFO PC Client - COBOL - SELECT/ASSIGN". The interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a ribbon with various toolbars like Copy, Select All, Toggle Selection, Customize, Use Default, Use Custom, Group, Statistics, All, Show SQL, Inverse Filter, New, Library, Explorer, and Chart. A table titled "COBOL - SELECT/ASSIGN" is displayed with the following data:

MainPgm	SrcMemb	DDName	Assignment-Name	O	Org	Acc	Res	Source-Lib	Line	Load-Mod	System	FileName	Main-Lib
<all>	<all>	<all>	<all>		<..>	<..>	<..>	<all>		<all>	<all>	<all>	<all>
DSN8BC3	DSN8BC3	CARDIN	DA-S-CARDIN	N	SEQ	SEQ	001	DSNB10.SDSNSAMP	135	DSN8BC3	COBSYS1	CARDIN	DSNB10.SDSNSAMP
DSN8BC3	DSN8BC3	REPORT	UT-S-REPORT	N	SEQ	SEQ	001	DSNB10.SDSNSAMP	137	DSN8BC3	COBSYS1	REPOUT	DSNB10.SDSNSAMP
DSN8HC3	DSN8HC3	SYSPRINT	UT-S-SYSPRINT	N	SEQ	SEQ	001	DSNB10.SDSNSAMP	228	DSN8HC3	COBSYS1	MSGOUT	DSNB10.SDSNSAMP
DSN8SCM	DSN8SCM	SYSPRINT	UT-S-SYSPRINT	N	SEQ	SEQ	001	DSNB10.SDSNSAMP	168	DSN8SCM	COBSYS1	MSGOUT	DSNB10.SDSNSAMP

Below the table, a code snippet is shown in a grey box:

```
FILE-CONTROL .  
    SELECT REPOUT  
    ASSIGN TO UT-S-REPORT.
```

A callout bubble points to the code snippet with the text: "File/DD name 'assignments' and the parameters (taken from File-Control)."

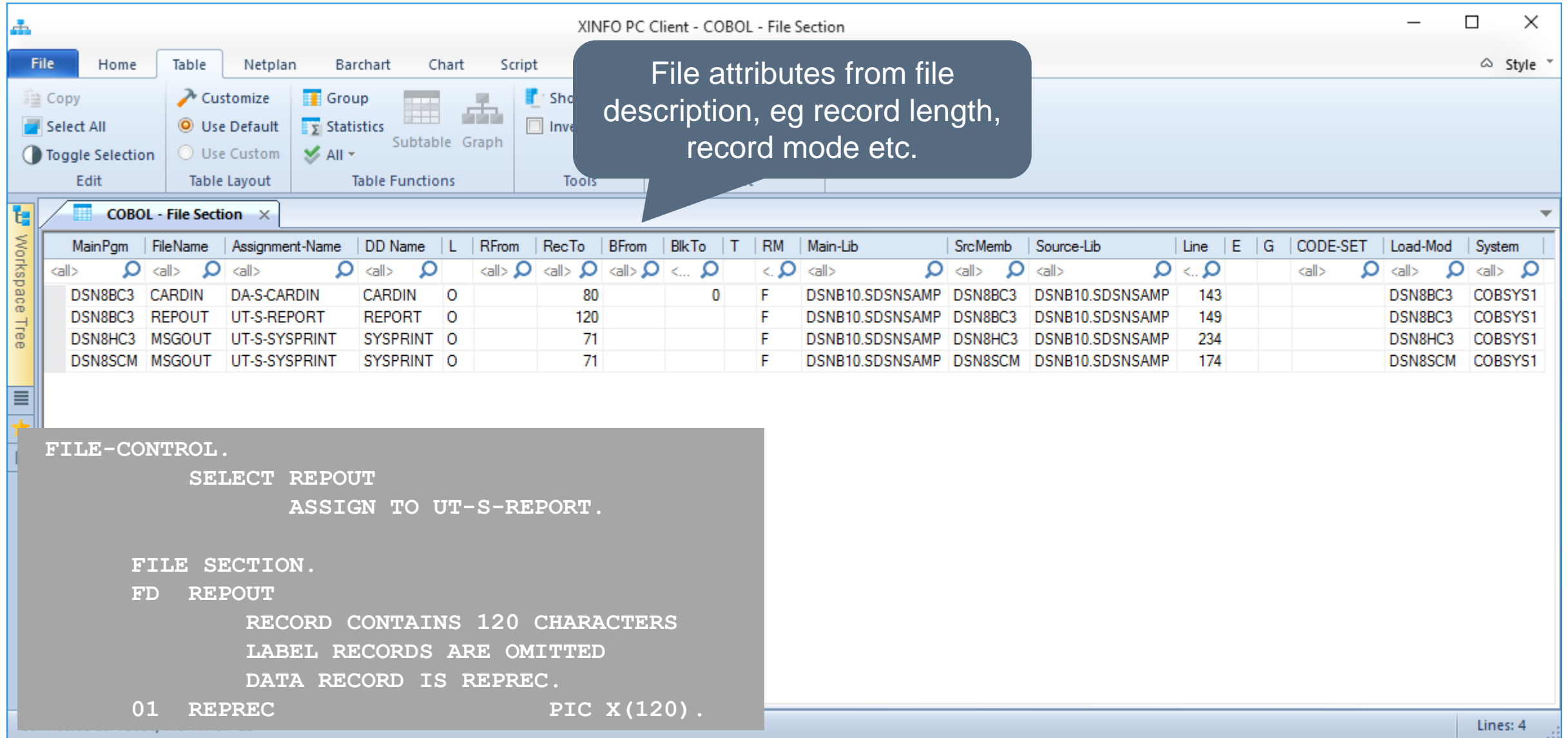
At the bottom of the window, it says "Connected as: P392e, file: XX40T#25" and "Lines: 4".

Cobol – File Section

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 project files. Under the "COBOL" folder, the "File Section" option is highlighted with a yellow background. A dark blue callout box with white text points to this option, stating "Select option 6 – File Section". The status bar at the bottom indicates the connection: "Connected as: P392e, file: XX40T#25".

Select option 6 – File Section

Cobol – File Section



The screenshot shows the XINFO PC Client interface for COBOL File Section. A callout box points to the table, stating: "File attributes from file description, eg record length, record mode etc."

MainPgm	FileName	Assignment-Name	DD Name	L	RFrom	RecTo	BFrom	BlkTo	T	RM	Main-Lib	SrcMemb	Source-Lib	Line	E	G	CODE-SET	Load-Mod	System
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DSN8BC3	CARDIN	DA-S-CARDIN	CARDIN	0		80		0		F	DSNB10.SDSNSAMP	DSN8BC3	DSNB10.SDSNSAMP	143				DSN8BC3	COBSYS1
DSN8BC3	REPOUT	UT-S-REPORT	REPORT	0		120				F	DSNB10.SDSNSAMP	DSN8BC3	DSNB10.SDSNSAMP	149				DSN8BC3	COBSYS1
DSN8HC3	MSGOUT	UT-S-SYSPRINT	SYSPRINT	0		71				F	DSNB10.SDSNSAMP	DSN8HC3	DSNB10.SDSNSAMP	234				DSN8HC3	COBSYS1
DSN8SCM	MSGOUT	UT-S-SYSPRINT	SYSPRINT	0		71				F	DSNB10.SDSNSAMP	DSN8SCM	DSNB10.SDSNSAMP	174				DSN8SCM	COBSYS1

```
FILE-CONTROL.  
    SELECT REPOUT  
    ASSIGN TO UT-S-REPORT.  
  
FILE SECTION.  
FD  REPOUT  
    RECORD CONTAINS 120 CHARACTERS  
    LABEL RECORDS ARE OMITTED  
    DATA RECORD IS REPREC.  
01  REPREC          PIC X(120).
```

Cobol – File Access

The screenshot shows the XINFO PC Client interface with the 'COBOL - File Access' dialog box open. The dialog box contains the following fields:

Main Program	=	DSN8*
Main Lib	=	
Source Member	=	
Source Lib	=	
Line	=	
File Name (intern.)	=	
Assignment-Name	=	*-S-*
DD Name	=	
Access	=	
INPUT/OUTPUT/...	=	
Load Module	=	
System	=	

A callout bubble points to the 'Main Program' field with the text: "Search for Main Program 'DSN8*' and Assignment-Name '*-S-*'".

Cobol – File Access

XINFO PC Client - COBOL - File Access

File Home Table Netplan Barchart Chart Script View

COBOL - File Access

MainPgm	SrcMemb	Line	FileName	Assignment-Name	Access	Option	DD Name	Load-Mod	Main-Lib	Source-Lib	System
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DSN8BC3	DSN8BC3	344	CARDIN	DA-S-CARDIN	OPEN	INPUT	CARDIN	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	345	REPOUT	UT-S-REPORT	OPEN	OUTPUT	REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	348	CARDIN	DA-S-CARDIN	READ		CARDIN	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	356	CARDIN	DA-S-CARDIN	CLOSE		CARDIN	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	357	REPOUT	UT-S-REPORT	CLOSE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	366	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	368	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	370	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	385	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	387	CARDIN	DA-S-CARDIN	READ		CARDIN	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	443	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	473	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	503	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	530	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	557	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	570	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	585	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	612	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8BC3	DSN8BC3	620	REPOUT	UT-S-REPORT	WRITE		REPORT	DSN8BC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8HC3	DSN8HC3	2169	MSGOUT	UT-S-SYSPRINT	OPEN	OUTPUT	SYSPRINT	DSN8HC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8HC3	DSN8HC3	2170	MSGOUT	UT-S-SYSPRINT	WRITE		SYSPRINT	DSN8HC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8HC3	DSN8HC3	2171	MSGOUT	UT-S-SYSPRINT	WRITE		SYSPRINT	DSN8HC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8HC3	DSN8HC3	2172	MSGOUT	UT-S-SYSPRINT	WRITE		SYSPRINT	DSN8HC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8HC3	DSN8HC3	2173	MSGOUT	UT-S-SYSPRINT	WRITE		SYSPRINT	DSN8HC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1
DSN8HC3	DSN8HC3	2174	MSGOUT	UT-S-SYSPRINT	WRITE		SYSPRINT	DSN8HC3	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	COBSYS1

Connected as: P392e, file: XX40T#25

Lines: 55

“File access” shows all file operations

JCL – DSN

The screenshot shows the XINFO PC Client interface with the 'JCL - DD Statements' window active. The window displays a table of JCL parameters. A callout bubble points to the 'DSN' column, highlighting the values 'SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT' and 'P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1'.

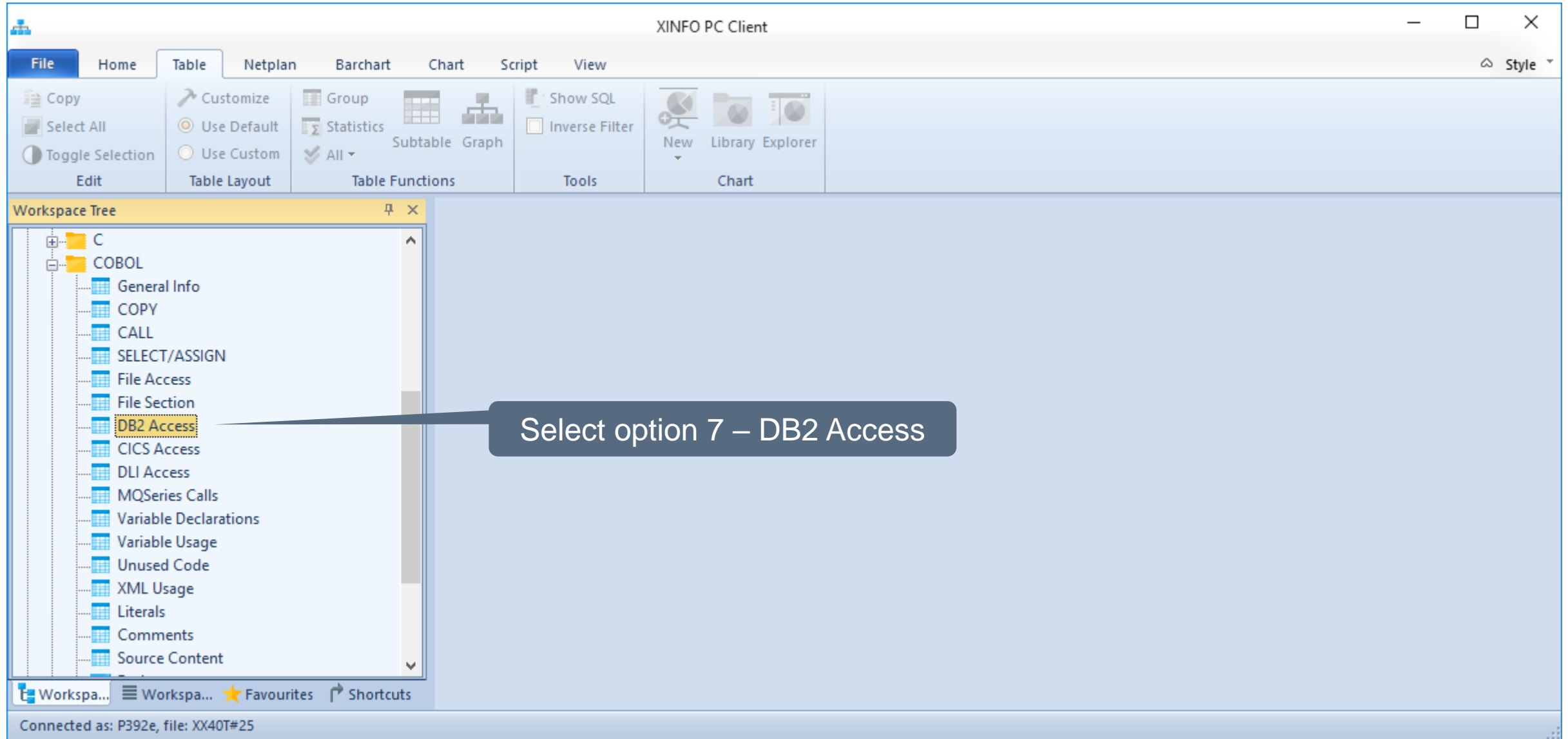
Jobname	SNr	Program	DD-Name	CNr	DSN	Mem/Gen.	DIS	Called-P	Proclib (called)	LRECL	BLKSZ	RECF	ORG	Key	DCB (Rest)	EXPDT
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DB2COB2	2	DSN8BC3	REPORT	0	SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT		NCC				23474	FB	PS			
DB2COB2	2	DSN8BC3	SYSTSIN	0	*											
DB2COB2	2	DSN8BC3	CARDIN	0	*											
DB2COB2#	1	DSN8BC3	REPORT	0	SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT		NCC				23474	FB	PS			
DB2COB2#	1	DSN8BC3	SYSTSIN	0	*											
DB2COB2#	1	DSN8BC3	CARDIN	0	*											
DB2COB2T	2	DSN8BC3	REPORT	0	P390K.XINFO.V3R6.DATA.DB2COB2.REPORT.D&OYMD1		NCC				23474	FB	PS			
DB2COB2T	2	DSN8BC3	SYSTSIN	0	*											
DB2COB2T	2	DSN8BC3	CARDIN	0	*											
JOB29	2	DSN8BC3	REPORT	0	SYSH.XINFO.V3R5.DATA.DB2COB2.REPORT		NCC				23474	FB	PS			
JOB29	2	DSN8BC3	SYSTSIN	0	*											
JOB29	2	DSN8BC3	CARDIN	0	*											

DSN and other JCL-parameters

Connected as: P392e, file: XX40T#25

Lines: 12

Cobol – DB2 Access



Select option 7 – DB2 Access

Cobol – DB2 Access

The screenshot shows the XINFO PC Client interface with a 'COBOL - DB2 Access' dialog box open. The dialog box has a 'Workspace Tree' on the left and a main configuration area on the right. The 'Workspace Tree' shows a hierarchy starting with 'C' and 'COBOL', with 'DB2 Access' selected. The main configuration area contains several fields, each with a dropdown menu and a text input field. The 'Object' field is highlighted with a red box and contains the text 'VDEPT'. The 'Object Type' field contains 'TABLE*'. A callout box points to the 'Object' field with the text: 'Question: Which programs are using DB2 table "VDEPT"?' The dialog box also has 'OK', 'Actions', and 'Cancel' buttons at the bottom.

Field	Value
Main Program	=
Main Lib	=
Source Member	=
Line	=
SubSys	=
Prefix	=
Object	VDEPT
Object Type	TABLE*
Action	=
Column Name	=
Column Usage	=
System	=
Source Lib	=
Load Module	=

Cobol – DB2 Access

XINFO PC Client - COBOL - DB2 Access

File Home Table Netplan Barchart Chart Script View

COBOL - DB2 Access

MainPgm	SrcMemb	Line	SubSys	Prefix	Object	ObjectType	Action	Column Name	ColUsage	System	Source Lib	Main-Lib	Load-Mod
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DSN8CC2	DSN8MCDA	25			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	40			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCD	340			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCE	309			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCE	361			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCE	457			VDEPT	TABLE/VIEW	INSERT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCE	500			VDEPT	TABLE/VIEW	UPDATE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCE	578			VDEPT	TABLE/VIEW	DELETE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCF	383			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCF	525			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8IC2	DSN8MCDA	25			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCDA	40			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCDA	53			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCD	340			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCE	309			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCE	361			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCE	457			VDEPT	TABLE/VIEW	INSERT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCE	500			VDEPT	TABLE/VIEW	UPDATE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCE	578			VDEPT	TABLE/VIEW	DELETE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCF	383			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2
DSN8IC2	DSN8MCF	525			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8IC2

Programs

SQL action

In case of "Type=Table" column "Object" shows the name of the table

Connected as: P392e, file: XX40T#25

Lines: 22

Cobol – DB2 Access

XINFO PC Client

COBOL - DB2 Access

Main Program	=	DSN8CC2
Main Lib	=	
Source Member	=	
Line	=	
SubSys	=	
Prefix	=	
Object	=	
Object Type	=	
Action	=	
Column Name	=	
Column Usage	=	
System	=	
Source Lib	=	
Load Module	=	

Search for Main Program "DSN8CC2"

OK Actions Cancel

Connected as: P392e, file: XX40T#25

Cobol – DB2 Access

XINFO PC Client - COBOL - DB2 Access

File Home Table Netplan Barchart Chart Script View

COBOL - DB2 Access

Workspace Tree

MainPgm	SrcMemb	Line	SubSys	Prefix	Object	ObjectType	Action	Column Name	ColUsage	System	Source Lib	Main-Lib	Load-Mod
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DSN8CC2	DSN8CC2	219			SQLCA	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	221			DSN8MCC2	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	222			DSN8MCDP	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	223			DSN8MCEM	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	224			DSN8MCDM	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	225			DSN8MCAD	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	226			DSN8MCA2	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	227			DSN8MCOV	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	228			DSN8MCDT	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	229			DSN8MCED	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	239			DSN8MCCA	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8CC2	244			DSN8MCAE	INCLUDE	INCLUDE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	7			DEA	CURSOR	DECLARE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	DEPTNAME	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	MGRNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	FIRSTNME	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	MIDINIT	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	LASTNAME	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	DEPTNAME	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	21			EMA	CURSOR	DECLARE			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	22			VFMPDPT1	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2

Connected as: P392e, file: XX40T#25

Lines: 248

All used columns are shown

Cobol – DB2 Access

The screenshot shows the XINFO PC Client interface with the 'COBOL - DB2 Access' dialog box open. The dialog box contains several fields for configuring the search, including 'Main Program', 'Main Lib', 'Source Member', 'Line', 'SubSys', 'Prefix', 'Object', 'Object Type', 'Action', 'Column Name', 'Column Usage', 'System', 'Source Lib', and 'Load Module'. The 'Column Name' field is highlighted with a red box and contains the text 'DEPTNO'. A speech bubble points to this field with the text 'Search programs by "used columns"'. The 'Workspace Tree' on the left shows the 'DB2 Access' option selected. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#25'.

Field	Value
Main Program	=
Main Lib	=
Source Member	=
Line	=
SubSys	=
Prefix	=
Object	=
Object Type	=
Action	=
Column Name	DEPTNO
Column Usage	=
System	=
Source Lib	=
Load Module	=

Cobol – DB2 Access

XINFO PC Client - COBOL - DB2 Access

File Home Table Netplan Barchart Chart Script View Style

COBOL - DB2 Access

MainPgm	SrcMemb	Line	SubSys	Prefix	Object	Object Type	Action	Column Name	ColUsage	System	Source Lib	Main-Lib	Load-Mod
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	8			VDEPMG1	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	22			VEMPDP1	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAE	22			VEMPDP1	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAL	5			VDEPMG1	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAL	5			VDEPMG1	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCAL	5			VDEPMG1	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	25			VDEPT	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	25			VDEPT	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	25			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	25			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	25			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	40			VDEPT	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	40			VDEPT	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	40			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	40			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	COLUMN	SELECT	DEPTNO	SELECT	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCD	340			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCD	340			VDEPT	COLUMN	SELECT	DEPTNO	WHERE	COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2

Connected as: P392e, file: XX40T#25

Lines: 100

The column "DEPTNO" is used in several tables by several programs

Cobol – Variable

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 lists various project components. The "Variable Declarations" item is highlighted with a yellow background. A dark blue callout box with white text points to this item, containing the instruction "Select option 11 – Variable Declarations". The status bar at the bottom indicates the connection: "Connected as: P392e, file: XX40T#25".

Workspace Tree

- General Info
- COPY
- CALL
- SELECT/ASSIGN
- File Access
- File Section
- DB2 Access
- CICS Access
- DLI Access
- MQSeries Calls
- Variable Declarations**
- Variable Usage
- Unused Code
- XML Usage
- Literals
- Comments
- Source Content
- Explorer
- Easytrieve

Select option 11 – Variable Declarations

Connected as: P392e, file: XX40T#25

Cobol – Variable

COBOL - Variable Declarations

Main Program	=	
Main Lib	=	
Source Member	=	
Source Lib	=	
Line	=	
Load Module	=	
Section	=	
Level Number	=	
Variable Name	=	DEPTNO
Used Y/N	=	

Initial Value	=	
Picture Clause	=	
Blank Y/N	=	
External Y/N	=	
Global Y/N	=	
Justification L/R	=	
Redefines	=	
Usage Clause	=	
Other attributes	=	
System	=	
Previous level	=	
Previous name	=	
Top name in struct	=	

Question:
In which programs is the variable "DEPTNO" defined?

OK Actions Cancel

Cobol – Variable

XINFO PC Client - COBOL - Variable Declarations

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

COBOL - Variable Declarations

MainPgm	SrcMemb	Line	Section	Lv	Variable Name	Initial Value	Picture Clause	B	E	G	J	Redefines	Usage Clause	Other attributes	PLv	Previous name	Top name in struct	Load-Mod	S
<all>	<all>	<..>	<all>		<all>	<all>	<all>					<all>	<all>	<all>	<..>	<all>	<all>	<all>	<all>
DSN8CC2	DSN8MCDP	19	WORKING	10	DEPTNO		X(3)								01	PDEPT	PDEPT	DSN8CC2	D
DSN8IC2	DSN8MCDP	19	WORKING	10	DEPTNO		X(3)								01	PDEPT	PDEPT	DSN8IC2	D

In this example "DEPTNO" is defined in two programs

Left double mouse click shows the complete record

Connected as: P392e, file: XX37T#14

Lines: 2

Cobol – Variable

The screenshot displays the IBM z/OS COBOL IDE interface. On the left, the 'Workspace Tree' shows a project structure with 'DSN8CC2' and 'DSN8IC2' under 'DSN8MCDP'. The main editor area shows 'COBOL - Variable Declaration' with a table of variables. A 'Details' dialog box is open, showing the following information for the variable 'DEPTNO':

Name	Value
Main Program	DSN8CC2
Source Member	DSN8MCDP
Line	19
Section	WORKING
Level Number	10
Variable Name	DEPTNO
Initial Value	
Picture Clause	X(3)
Blank Y/N	
External Y/N	
Global Y/N	
Justification L/R	
Redefines	
Usage Clause	
Other attributes	
Previous level	01
Previous name	PDEPT
Top name in struct	PDEPT
Load Module	DSN8CC2
System	DB2DEMO
Main Lib	DATA.XXR.DB2DEMO.COBOL
Source Lib	DSN910.DB9G.SRCLIB.DATA
Used Y/N	Y
Internal VarID	1F2B6D68

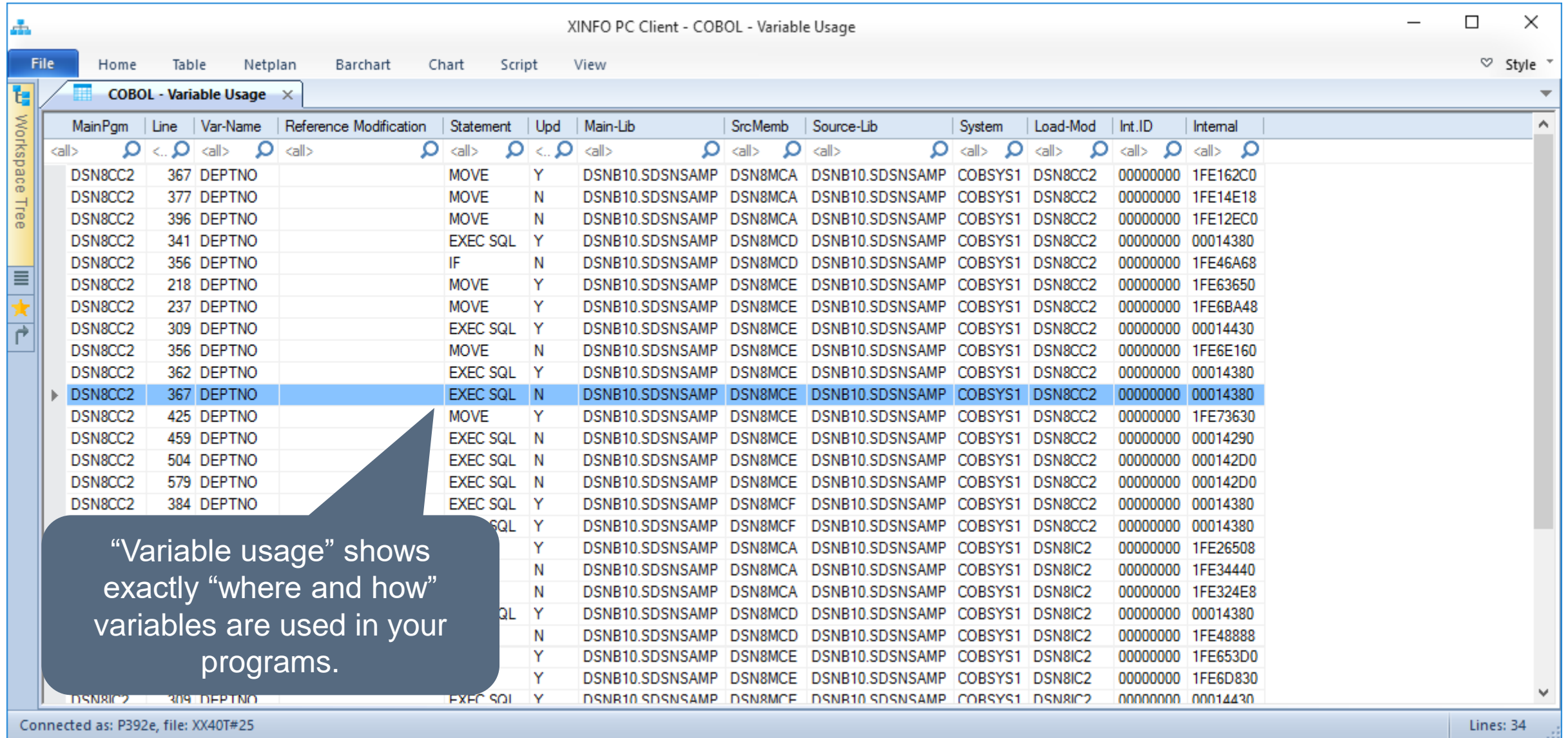
A callout box points to the 'Picture Clause' field with the text 'The details of the record'. The 'Details' dialog has 'OK', 'Copy', 'Print...', and 'Save As...' buttons at the bottom. In the background, another window shows a table with columns 'Top name in struct', 'Load-Mod', and 'S', with rows for 'PDEPT' under 'DSN8CC2' and 'DSN8IC2'.

Cobol – Variable usage

The screenshot shows the XINFO PC Client interface with a 'COBOL - Variable Usage' dialog box open. The dialog box contains several fields for configuring variable usage, each with a dropdown menu and a text input field. The 'Variable Name' field is highlighted with a red box and contains the text 'DEPTNO'. The 'Workspace Tree' on the left side of the client shows a tree view of project files, with 'Variable Usage' highlighted. The status bar at the bottom indicates the connection details: 'Connected as: P392e, file: XX40T#25'.

Field	Value
Main Program	= [dropdown] [text box]
Main Lib	= [dropdown] [text box]
Source Member	= [dropdown] [text box]
Source Lib	= [dropdown] [text box]
Line	= [dropdown] [text box]
Variable Name	= [dropdown] DEPTNO
Reference Modifier	= [dropdown] [text box]
Statement	= [dropdown] [text box]
Updated Y/N	= [dropdown] [text box]
System	= [dropdown] [text box]
Load Module	= [dropdown] [text box]

Cobol – Variable usage



XINFO PC Client - COBOL - Variable Usage

File Home Table Netplan Barchart Chart Script View

COBOL - Variable Usage

MainPgm	Line	Var-Name	Reference Modification	Statement	Upd	Main-Lib	SrcMemb	Source-Lib	System	Load-Mod	Int.ID	Internal
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DSN8CC2	367	DEPTNO		MOVE	Y	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE162C0
DSN8CC2	377	DEPTNO		MOVE	N	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE14E18
DSN8CC2	396	DEPTNO		MOVE	N	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE12EC0
DSN8CC2	341	DEPTNO		EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCD	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2	356	DEPTNO		IF	N	DSNB10.SDSNSAMP	DSN8MCD	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE46A68
DSN8CC2	218	DEPTNO		MOVE	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE63650
DSN8CC2	237	DEPTNO		MOVE	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE6BA48
DSN8CC2	309	DEPTNO		EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014430
DSN8CC2	356	DEPTNO		MOVE	N	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE6E160
DSN8CC2	362	DEPTNO		EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2	367	DEPTNO		EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2	425	DEPTNO		MOVE	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE73630
DSN8CC2	459	DEPTNO		EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014290
DSN8CC2	504	DEPTNO		EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	000142D0
DSN8CC2	579	DEPTNO		EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	000142D0
DSN8CC2	384	DEPTNO		EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCF	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2				EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCF	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2				EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE26508
DSN8CC2				EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE34440
DSN8CC2				EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE324E8
DSN8CC2				EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCD	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	00014380
DSN8CC2				EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCD	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE48888
DSN8CC2				EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE653D0
DSN8CC2				EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE6D830
DSN8CC2	309	DEPTNO		EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCF	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	00014430

Connected as: P392e, file: XX40T#25

Lines: 34

“Variable usage” shows exactly “where and how” variables are used in your programs.

Cobol – Variable usage

XINFO PC Client - COBOL - Variable Usage

File Home Table Netplan Barchart Chart Script View

COBOL - Variable Usage

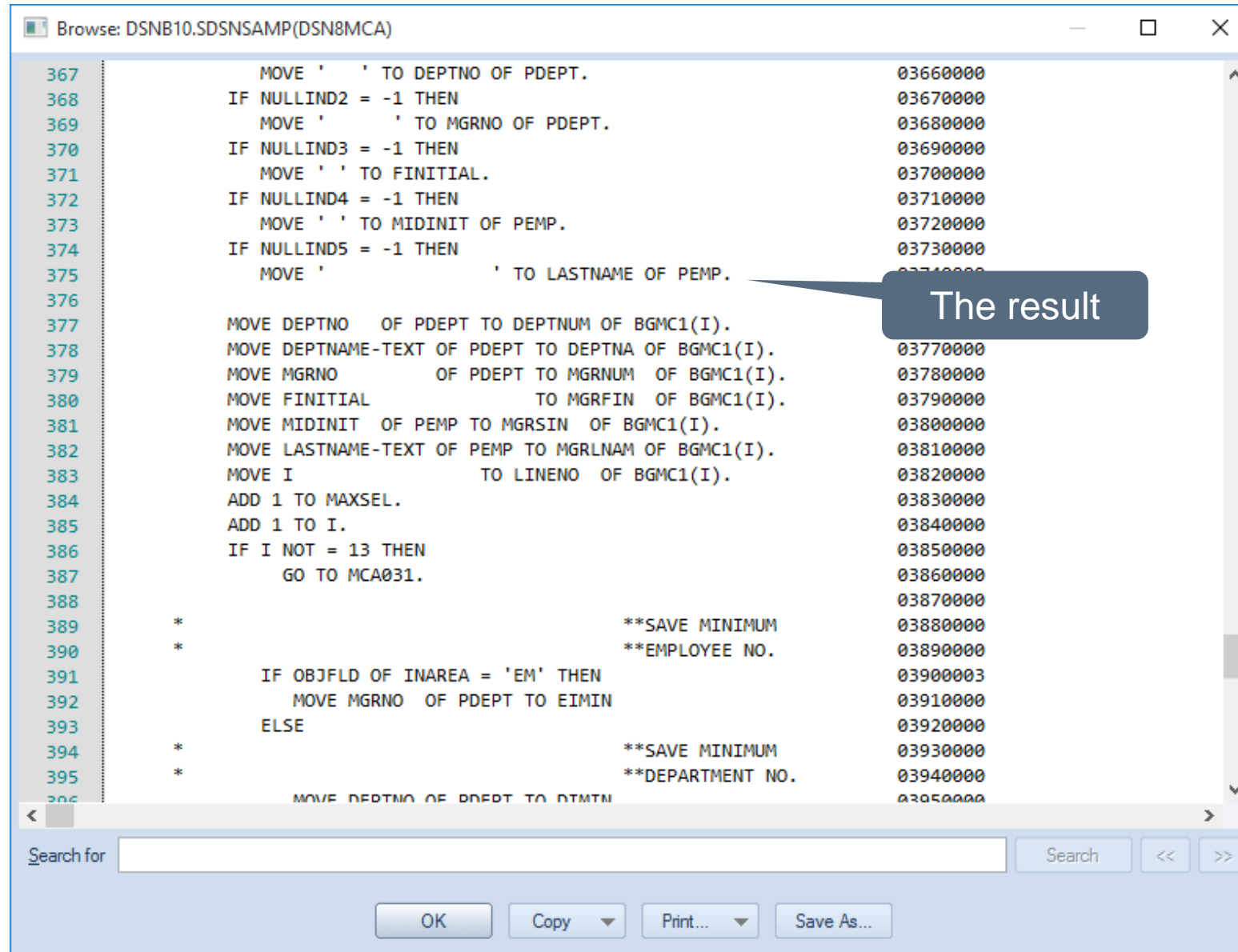
MainPgm	Line	Var-Name	Reference	Modification	Statement	Upd	Main-Lib	SrcMemb	Source-Lib	System	Load-Mod	Int.ID	Internal
DSN8CC2	267	DEPTNO			MOVE	Y	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE162C0
DSN8CC2						N	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE14E18
DSN8CC2						N	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE12EC0
DSN8CC2	CA7				EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCD	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2	CICS				IF	N	DSNB10.SDSNSAMP	DSN8MCD	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE46A68
DSN8CC2	COBOL				MOVE	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE63650
DSN8CC2	DB2				MOVE	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE6BA48
DSN8CC2	GRAPH				EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014430
DSN8CC2	IMS						DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE6E160
DSN8CC2	JCL						DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2	Programs						DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2	SMF						DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	1FE73630
DSN8CC2					EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014290
DSN8CC2					EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	000142D0
DSN8CC2	579	DEPTNO			EXEC SQL	N	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	000142D0
DSN8CC2	384	DEPTNO			EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCF	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8CC2	526	DEPTNO			EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCF	DSNB10.SDSNSAMP	COBSYS1	DSN8CC2	00000000	00014380
DSN8IC2	367	DEPTNO			MOVE	Y	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE26508
DSN8IC2	377	DEPTNO			MOVE	N	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE34440
DSN8IC2	396	DEPTNO			MOVE	N	DSNB10.SDSNSAMP	DSN8MCA	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE324E8
DSN8IC2	341	DEPTNO			EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCD	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	00014380
DSN8IC2	356	DEPTNO			IF	N	DSNB10.SDSNSAMP	DSN8MCD	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE48888
DSN8IC2	218	DEPTNO			MOVE	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE653D0
DSN8IC2	237	DEPTNO			MOVE	Y	DSNB10.SDSNSAMP	DSN8MCE	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	1FE6D830
DSN8IC2	309	DEPTNO			EXEC SQL	Y	DSNB10.SDSNSAMP	DSN8MCF	DSNB10.SDSNSAMP	COBSYS1	DSN8IC2	00000000	00014430

Right mouse click to browse the "Member with Var-Ref"

Connected as: P392e, file: XX40T#25

Lines: 34

Cobol – Variable usage



The screenshot shows a COBOL program window titled "Browse: DSNB10.SDSNSAMP(DSN8MCA)". The program code is displayed with line numbers on the left and hexadecimal addresses on the right. A callout box labeled "The result" points to line 375. The code includes several conditional statements and assignments, followed by a loop structure.

```
367      MOVE ' ' TO DEPTNO OF PDEPT.                03660000
368      IF NULLIND2 = -1 THEN                        03670000
369          MOVE ' ' TO MGRNO OF PDEPT.            03680000
370      IF NULLIND3 = -1 THEN                        03690000
371          MOVE ' ' TO FINITIAL.                  03700000
372      IF NULLIND4 = -1 THEN                        03710000
373          MOVE ' ' TO MIDINIT OF PEMP.           03720000
374      IF NULLIND5 = -1 THEN                        03730000
375          MOVE ' ' TO LASTNAME OF PEMP.          03740000
376
377      MOVE DEPTNO OF PDEPT TO DEPTNUM OF BGMC1(I). 03770000
378      MOVE DEPTNAME-TEXT OF PDEPT TO DEPTNA OF BGMC1(I). 03780000
379      MOVE MGRNO OF PDEPT TO MGRNUM OF BGMC1(I).  03790000
380      MOVE FINITIAL TO MGRFIN OF BGMC1(I).        03800000
381      MOVE MIDINIT OF PEMP TO MGRSIN OF BGMC1(I). 03810000
382      MOVE LASTNAME-TEXT OF PEMP TO MGRNAM OF BGMC1(I). 03820000
383      MOVE I TO LINENO OF BGMC1(I).               03830000
384      ADD 1 TO MAXSEL.                             03840000
385      ADD 1 TO I.                                  03850000
386      IF I NOT = 13 THEN                           03860000
387          GO TO MCA031.                           03870000
388
389      * **SAVE MINIMUM                             03880000
390      * **EMPLOYEE NO.                             03890000
391      IF OBJFLD OF INAREA = 'EM' THEN               03900003
392          MOVE MGRNO OF PDEPT TO EIMIN             03910000
393      ELSE                                          03920000
394      * **SAVE MINIMUM                             03930000
395      * **DEPARTMENT NO.                           03940000
396      MOVE DEPTNO OF PDEPT TO DTMTM                03950000
```

The result

Cobol – CICS Access

The screenshot shows the XINFO PC Client interface. The 'Workspace Tree' on the left lists various categories under 'COBOL', with 'CICS Access' highlighted. The 'COBOL - CICS Access' dialog box is open, displaying a table of search criteria. The 'Main Program' row is highlighted with a red box and contains the text 'DSN8C*'. A callout bubble points to this field with the text: 'Example: Search for all "EXEC CICS" in programs "DSN8C*"'. The dialog box also includes fields for 'Main Lib', 'Source Member', 'Source Lib', 'Line', 'Action', 'Parameter', 'Variable', 'Value', 'Load Module', and 'System', each with a dropdown menu and an input field. The 'OK', 'Actions', and 'Cancel' buttons are at the bottom of the dialog box.

Field	Operator	Value
Main Program	=	DSN8C*
Main Lib	=	
Source Member	=	
Source Lib	=	
Line	=	
Action	=	
Parameter	=	
Variable	=	
Value	=	
Load Module	=	
System	=	

Cobol – CICS Access

XINFO PC Client - COBOL - CICS Access

File Home Table Netplan Barchart Chart Script View

COBOL - CICS Access

MainPgm	Line	Action	Parameter	Variable	Value	Main-Lib	SrcMemb	Source Lib	Load-Mod	System
<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>	<all>
DSN8CC0	370	HANDLE CONDITION	MAPFAIL	CC0SEND	?	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	380	RECEIVE MAP	MAP		DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	380	RECEIVE MAP	MAPSET		DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	402	ABEND	ABCODE		LSCR	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	409	RECEIVE MAP	MAP		DSN8CCG	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	409	RECEIVE MAP	MAPSET		DSN8CCG	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	475	LINK	COMMAREA	COMMAREA	?	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	475	LINK	PROGRAM		DSN8CC1	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	529	SEND MAP	MAP		DSN8CCG	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	529	SEND MAP	MAP		DSN8CCG	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	531	SEND MAP	CL	CURSOR-VALUE	?	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	531	SEND MAP				DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	531	SEND MAP			DSN8CCG	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	531	SEND MAP			DSN8CCG	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	537	RETURN			D8CS	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	591	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	591	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	591	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	591	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	591	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	591	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	591	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	591	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC0	604	SEND MAP			DSN8CCD	DSNB10.SDSNSAMP	DSN8CC0	DSNB10.SDSNSAMP	DSN8CC0	COBSYS1
DSN8CC1	152	LINK	COMMAREA	DEFHCOMMAREA	?	DSNB10.SDSNSAMP	DSN8CC1	DSNB10.SDSNSAMP	DSN8CC1	COBSYS1
DSN8CC1	160	LINK	COMMAREA	DEFHCOMMAREA	?	DSNB10.SDSNSAMP	DSN8CC1	DSNB10.SDSNSAMP	DSN8CC1	COBSYS1

Connected as: P392e, file: XX40T#25

Lines: 27

“CICS Access” shows all CICS actions and the parameters.
LINK and XCTL is shown in the call table as well as in the call graph

Cobol – DLI Access

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

Main Program	=	[Dropdown]	[Text Box]
Main Lib	=	[Dropdown]	[Text Box]
Source Member	=	[Dropdown]	[Text Box]
Source Lib	=	[Dropdown]	[Text Box]
Line	=	[Dropdown]	[Text Box]
Action	=	[Dropdown]	[Text Box]
PSB	=	[Dropdown]	[Text Box]
PCB	=	[Dropdown]	[Text Box]
Segment	=	[Dropdown]	[Text Box]
Segment No. in Stmt	=	[Dropdown]	[Text Box]
DLI Statement	=	[Dropdown]	[Text Box]
Type of Call	=	[Dropdown]	[Text Box]
Load Module	=	[Dropdown]	[Text Box]
System	=	[Dropdown]	[Text Box]

A callout bubble points to the 'Action' field with the text "Search for DLI calls".

The background shows the XINFO PC Client workspace with a 'Workspace Tree' on the left containing folders like 'C' and 'COBOL', and sub-items like 'General Info', 'COPY', 'CALL', 'SELECT/ASSIGN', 'File Access', 'File Section', 'DB2 Access', 'CICS Access', 'DLI Access', 'MQSeries Calls', 'Variable Declarations', 'Variable Usage', 'Unused Code', 'XML Usage', 'Literals', 'Comments', and 'Source Content'. The 'DLI Access' item is highlighted.

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

Cobol – DLI Access

The screenshot shows the XINFO PC Client interface for COBOL DLI Access. The main window displays a table with columns: MainPgm, Line, Action, PSB, PCB, Segment, SNo, and DLI Statement. The table contains various DLI statements, including calls to CBLTDLI and segment operations like INTO, FROM, and LOCKED. Two callout boxes are present: one pointing to the 'Action' column with the text 'IMS actions and parameters.' and another pointing to the 'DLI Statement' column with the text 'Search for strings in DLI statements'. The status bar at the bottom right indicates 'Lines: 144'.

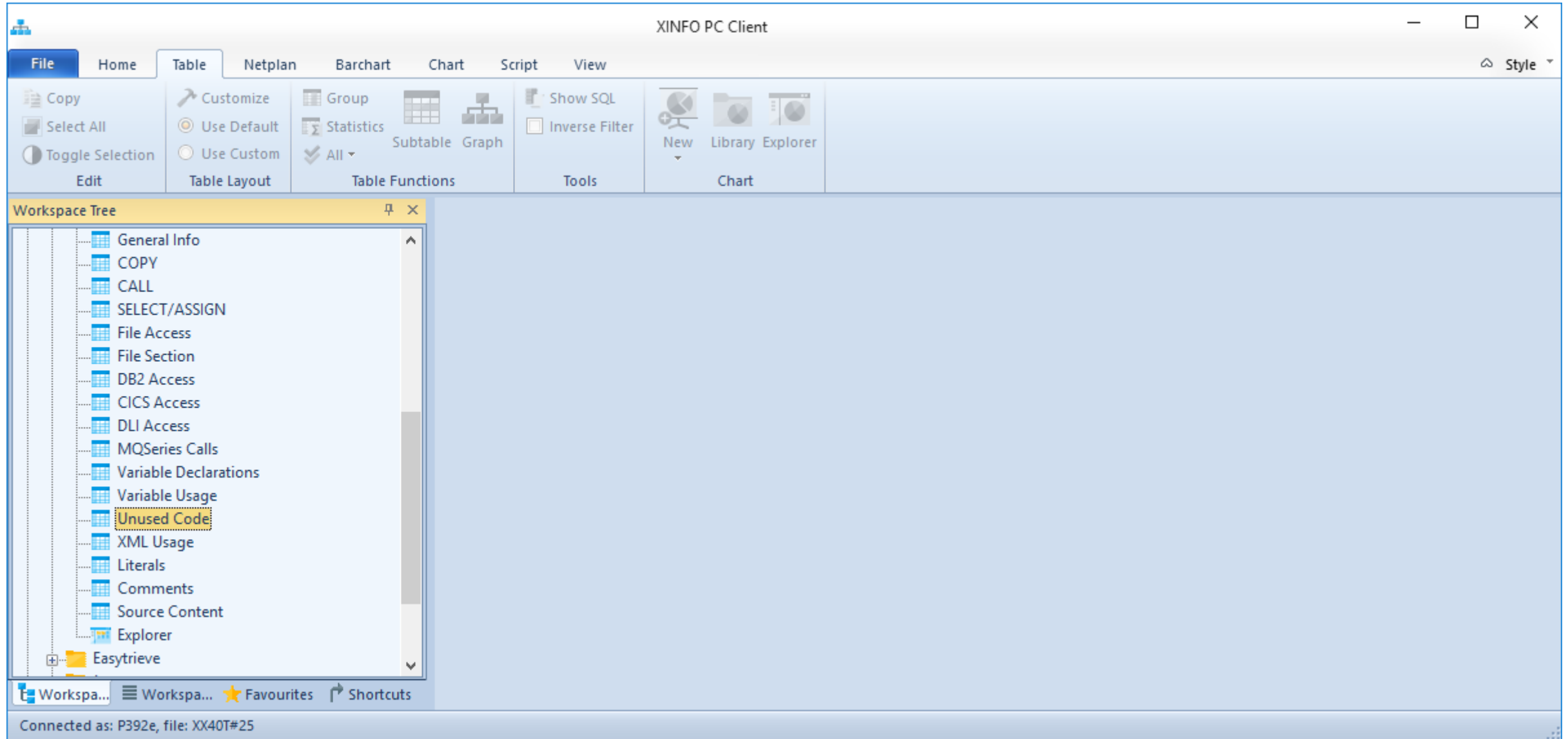
MainPgm	Line	Action	PSB	PCB	Segment	SNo	DLI Statement
<all>	<..>	<all>	<all>	<..>	<all>	<..>	<all>
DFH0DLCC	493	GU					CALL CBLTDLI USING FIVE GU DLIPCB SEGRETRN SSA1 SSA2
DFH0DLCC	568	SCHD	DFHSAM24				CALL CBLTDLI USING PCB PSBNAME
DFH0DLCC	568	SCHD	DFHSAM25				CALL CBLTDLI USING PCB PSBNAME
DFH0DLCC	588	TERM					CALL CBLTDLI USING TERM
DFH0DLCE	237	GU			?	1	GU SEGMENT(PARTROOT) INTO(SEGRETRN) SEGLENGTH(50) WHERE(...) FIELDLENGTH(17)
DFH0DLCE	254	GN					GN INTO(SEGRETRN) SEGLENGTH(160)
DFH0DLCE	289	GN					GN INTO(SEGRETRN) SEGLENGTH(160)
DFH0DLCE	302	GU			?	1	GU SEGMENT(PARTROOT) WHERE(...) FIELDLENGTH(17) SEGMENT(STOKSTAT) WHERE(...) FIELDLENGTH(16) LOCKED INTO(SEGRETRN) SEGLENGTH(
DFH0DLCE	302	GU			?	2	GU SEGMENT(PARTROOT) WHERE(...) FIELDLENGTH(17) SEGMENT(STOKSTAT) WHERE(...) FIELDLENGTH(16) LOCKED INTO(SEGRETRN) SEGLENGTH(
DFH0DLCE	328	REPL			?	1	REPL SEGMENT(STOKSTAT) FROM(SEGRETRN) SEGLENGTH(160)
DFH0DLCE	346	GU			?	1	GU SEGMENT(PARTROOT) WHERE(...) FIELDLENGTH(17) INTO(SEGRETRN) SEGLENGTH(50) LOCKED
DFH0DLCE	354	DLET			?	1	DLET SEGMENT(PARTROOT) FROM(SEGRETRN) SEGLENGTH(50)
DFH0DLCE	376	ISRT			?	1	ISRT SEGMENT(PARTROOT) FROM(SEGRETRN) SEGLENGTH(50)
DFH0DLCE	392	ISRT			?	1	ISRT SEGMENT(PARTROOT) WHERE(...) FIELDLENGTH(17) SEGMENT(STANINFO) FROM(SEGRETRN) SEGLENGTH(85)
DFH0DLCE	392	ISRT			?	2	ISRT SEGMENT(PARTROOT) WHERE(...) FIELDLENGTH(17) SEGMENT(STANINFO) FROM(SEGRETRN) SEGLENGTH(85)
DFH0DLCE	420	GU			?	1	GU SEGMENT(PARTROOT) INTO(SEGRETRN) SEGLENGTH(50) WHERE(...) FIELDLENGTH(17)
DFH0DLCE	433	GU			?	1	GU SEGMENT(PARTROOT) WHERE(...) FIELDLENGTH(17) SEGMENT(STOKSTAT) WHERE(...) FIELDLENGTH(16) INTO(SEGRETRN) SEGLENGTH(160)
DFH0DLCE	433	GU			?	2	GU SEGMENT(PARTROOT) WHERE(...) FIELDLENGTH(17) SEGMENT(STOKSTAT) WHERE(...) FIELDLENGTH(16) INTO(SEGRETRN) SEGLENGTH(160)
DFH0DLCE	488	SCHD	DFHSAM24				SCHD PSB(PSBNAME)
DFH0DLCE	488	SCHD	DFHSAM25				SCHD PSB(PSBNAME)
DFH0DLCE	498	TERM					TERM
DFSISCO0	103	?					CALL CBLTDLI USING CALL-FUNC
DFSISCO0	126	?					CALL CBLTDLI USING CALL-FUNC
DFSISCO0		?					CALL CBLTDLI USING CALL-FUNC

IMS actions and parameters.

Search for strings in DLI statements

Lines: 144

Cobol – Unused Code



Cobol – Unused Code

XINFO PC Client - COBOL - Unused Code

File Home Table Netplan Barchart Chart Script View Style

Workspace Tree

System	MainPgm	FLine	TLine	Sec/Par	Label	SrcMemb	Main-Lib	Source-Lib	Load-Mod
<all>	<all>	<...>	<...>	<all>	<all>	<all>	<all>	<all>	<all>
COBSYS1	ACCT02	222	223	PARAGRAPH	MAIN-EXIT	ACCT02	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	ACCT02
COBSYS1	DFHISCIP	88	89	PARAGRAPH	A-MAIN-EXIT	DFHISCIP	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFHISCIP
COBSYS1	DFHISCIP	113	114	PARAGRAPH	A010-INSTALL-IPCONN-EXIT	DFHISCIP	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFHISCIP
COBSYS1	DFHISCIP	122	123	PARAGRAPH	A020-DELETE-IPCONN-EXIT	DFHISCIP	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFHISCIP
COBSYS1	DFHISCIP	131	132	PARAGRAPH	X000-FINIS-EXIT	DFHISCIP	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFHISCIP
COBSYS1	DFHWBAOX	541	542	PARAGRAPH	UNESCAPE-EXIT	DFHWBAOX	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFHWBAOX
COBSYS1	DFH0BAT1	335	336	PARAGRAPH	MAIN-PROCESSING-EXIT	DFH0BAT1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0BAT1
COBSYS1	DFH0BAT2	265	266	PARAGRAPH	MAIN-PROCESSING-EXIT	DFH0BAT2	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0BAT2
COBSYS1	DFH0BAT3	284	285	PARAGRAPH	MAIN-PROCESSING-EXIT	DFH0BAT3	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0BAT3
COBSYS1	DFH0BAT4	153	154	PARAGRAPH	MAIN-PROCESSING-EXIT	DFH0BAT4	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0BAT4
COBSYS1	DFH0BAT5	166	167	PARAGRAPH	MAIN-PROCESSING-EXIT	DFH0BAT5	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0BAT5
COBSYS1	DFH0BAT6	154	155	PARAGRAPH	MAIN-PROCESSING-EXIT	DFH0BAT6	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0BAT6
COBSYS1	DFH0BAT7	142	143	PARAGRAPH	MAIN-PROCESSING-EXIT	DFH0BAT7	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0BAT7
COBSYS1	DFH0BAT8	143	144	PARAGRAPH	MAIN-PROCESSING-EXIT	DFH0BAT8	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0BAT8
COBSYS1	DFH0CBAE	261	268	SECTION	ABEND-ABXC	DFH0CBRD	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CBAE
COBSYS1	DFH0CBAE	274	281	SECTION	ABEND-ABXD	DFH0CBRD	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CBAE
COBSYS1	DFH0CBAE	378	385	SECTION	ABEND-ABXS	DFH0CBRD	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CBAE
COBSYS1	DFH0CNA1	542	543	PARAGRAPH	END-DO-MAIN-LOGIC	DFH0CNA1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CNA1
COBSYS1	DFH0CNA1	1115	1116	PARAGRAPH	END-BBAA-SEARCH	DFH0CNA1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CNA1
COBSYS1	DFH0CNA1	1326	1327	PARAGRAPH	END-C-GO-FORWARD	DFH0CNA1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CNA1
COBSYS1	DFH0CNA1	1771	1772	PARAGRAPH	END-DB-SEND-DETAIL-W	DFH0CNA1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CNA1
COBSYS1	DFH0CNA1	2127	2128	PARAGRAPH	END-DE-SEND-MENU-WIT	DFH0CNA1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CNA1
COBSYS1	DFH0CNA1	2223	2224	PARAGRAPH	END-U-SEND-EMPTY-MENU	DFH0CNA1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CNA1
COBSYS1	DFH0CNA1			PARAGRAPH	END-V-LINK-FOR-BROWSE	DFH0CNA1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CNA1
COBSYS1	DFH0CNA1			PARAGRAPH	END-W-RTRN-RETURN-COM-AREA	DFH0CNA1	DFH520.CICS.SDFHSAMP	DFH520.CICS.SDFHSAMP	DFH0CNA1

Shows program lines that are never called

Program

From line, to line

Connected as: P392e, file: XX40T#25

Lines: 197

Cobol – Comments

The screenshot shows the XINFO PC Client interface for COBOL comments. The window title is "XINFO PC Client - COBOL - Comments". The menu bar includes File, Home, Table, Netplan, Barchart, Chart, Script, and View. The main area displays a table with columns: SrcMemb, Line, Div., Comment content, Source-Lib, and System. The table contains several rows of comments, with callouts pointing to specific fields: "Program" points to the SrcMemb column, "Division" points to the Div. column, and "Line" points to the Line column. A "Comment" callout points to the Comment content column.

SrcMemb	Line	Div.	Comment content	Source-Lib	System
<all>	<..>	<..>	<all>	<all>	<all>
ACCTINDX	3	ID	MODULE NAME = DFH0SINX	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	5	ID	DESCRIPTIVE NAME = Rebuild Primer Index From Master File	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	9	ID	Licensed Materials - Property of IBM	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	11	ID	"Restricted Materials of IBM"	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	13	ID	5655-Y04	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	15	ID	(C) Copyright IBM Corp. 1985, 2002"	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	20	ID	STATUS = 6.9.0	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	24	ID	DESCRIPTION :	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	26	ID	THE PRIMER INDEX FILE IS NOT JOURNALLED UNDER CICS SO.	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	27	ID	IN THE EVENT OF LOSS OF THE INDEX, FORWARD RECOVERY	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	28	ID	IS NOT POSSIBLE. INSTEAD THIS PROGRAM RECREATES THE	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	29	ID	INDEX FROM SCRATCH BY CREATING AN INDEX RECORD FOR EACH	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	30	ID	RECORD ON THE CUSTOMER MASTER FILE AFTER THE MASTER FILE	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	31	ID	HAS BEEN RECOVERED. RECORD ARE WRITTEN IN ACCOUNT NO	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	32	ID	SEQUENCE SO THEY MUST BE SORTED INTO NAME/ACCOUNT NO	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	33	ID	SEQUENCE FOR LOADING TO THE VSAM INDEX FILE.	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	37	ID	CHANGE ACTIVITY :	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	38	ID	REG(DFH0SINX),COMP(SAMPLES),PROD(CICS/VS):	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	40	ID	REASON REL YMMDD HDXIII : REMARKS	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	41	ID	REASON REL YMMDD HDXIII : CREATED.	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	42	ID	10807 HDBWSH : Prologue fixed.	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	43	ID	20523 HD2WPGK: Fix RC 4's.	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	7	PROC	MOVE CORRESPONDING ACCTREC TO ACIXREC. \$P2C	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	7	PROC	Move the fields individually to avoid RC 4 \$P2A	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX			MODULE NAME = DFH0SINT	DFH520.CICS.SDFHSAMP	COBSYS1

Cobol – Comments

The screenshot displays the XINFO PC Client interface. The 'Workspace Tree' on the left lists various analysis categories, with 'Comments' highlighted. The 'COBOL - Comments' dialog box is open, featuring several search criteria: Source Member, Line, Division, Comment content, Source Lib, and System. The 'Comment content' field is highlighted with a red border and contains the search string '*CICS*'. A callout bubble points to this field with the text: "Search for strings, e.g. '*CICS*' in all comments". The dialog includes 'OK', 'Actions', and 'Cancel' buttons at the bottom. The status bar at the bottom of the application window indicates the connection: "Connected as: P392e, file: XX40T#25".

Cobol – Comments

The screenshot shows the 'XINFO PC Client - COBOL - Comments' window. The main area displays a table with columns: SrcMemb, Line, Div., Comment content, Source-Lib, and System. A red box highlights a subset of rows, and a callout bubble points to them with the text 'All comments with " *CICS * "'.

SrcMemb	Line	Div.	Comment content	Source-Lib	System
<all>	<all>	<all>	<all>	<all>	<all>
ACCTINDX	26	ID	THE PRIMER INDEX FILE IS NOT JOURNALLED UNDER CICS SO, *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINDX	38	ID	\$SEG(DFH0SINX),COMP(SAMPLES),PROD(CICS/VS): *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINIT	27	ID	FOR I-O UNDER CICS. THIS PROGRAM INITIALISES THE TWO *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTINIT	33	ID	\$SEG(DFH0SINT),COMP(SAMPLES),PROD(CICS/VS): *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCTREC	25	ID	\$SEG(DFH0SREC),COMP(SAMPLES),PROD(CICS/VS): *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCT00	36	ID	\$SEG(DFH0S00),COMP(SAMPLES),PROD(CICS TS): *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCT01	39	ID	\$SEG(DFH0S01),COMP(SAMPLES),PROD(CICS TS): *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCT02	35	ID	\$SEG(DFH0S02),COMP(SAMPLES),PROD(CICS TS): *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCT03	43	ID	\$SEG(DFH0S03),COMP(SAMPLES),PROD(CICS TS): *	DFH520.CICS.SDFHSAMP	COBSYS1
ACCT03	140	PROC	RETURN TO CICS.		
ACCT04	40	ID	\$SEG(DFH0S04),COMP(SAMPLES),PROD(CICS TS): *		
ACIXREC	25		\$SEG(DFH0SIXR),COMP(SAMPLES),PROD(CICS/VS): *		
CSQ4CVB1	24	ID	Environment : CICS, COBOL		
CSQ4CVB1	26	ID	CICS Transaction Name : MVB1		
CSQ4CVB1	77	ID	Return to CICS		
CSQ4CVB1	331	ID	Exec CICS send immediate inquiry screen map		
CSQ4CVB1	332	ID	Exec CICS receive immediate inquiry screen map		
CSQ4CVB1	338	ID	Exec CICS send batch inquiry screen map		
CSQ4CVB1	339	ID	Exec CICS receive batch inquiry screen map		
CSQ4CVB1	345	ID	Exec CICS send batch response screen map		
CSQ4CVB1	346	ID	Exec CICS receive batch response screen map		
CSQ4CVB1	353	ID	Exec CICS send help screen map		
CSQ4CVB1	354	ID	Exec CICS receive help screen map		
CSQ4CVB1	615	PROC	CICS.		
CSQ4CVB1	724	PROC	Return to CICS		

Any questions about XINFO and Cobol?

The image displays two overlapping windows from the XINFO PC Client. The top window, titled 'XINFO PC Client - COBOL - DB2 Access', shows a table of program data. The bottom window, titled 'XINFO PC Client - GRAPH - Programs Call Diagram', shows a call graph with nodes DSN8CC0, DSN8CC1, DSN8CC2, DSN8MCG, and DSN8MCE, connected by arrows. A callout box in the bottom right of the diagram window contains the text 'Yes?' and the email address 'info@horizont-it.com'.

MainPgm	SrcMemb	Line	SubSys	Prefix	Object	Object Type	Action	Column Name	ColUsage	System	Source Lib	Main-Lib	Load-Mod
DSN8CC2	DSN8MCDA	25			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	40			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCDA	53			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCD	340			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCE	309			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2
DSN8CC2	DSN8MCE	361			VDEPT	TABLE/VIEW	SELECT			COBSYS1	DSNB10.SDSNSAMP	DSNB10.SDSNSAMP	DSN8CC2

Programs - Source - Call

GRAPH - Programs Call Diagram

DSN8CC0 → DSN8CC1 → DSN8CC2 → DSN8MCG

DSN8CC1 → DSN8MCE

DSN8CC2 → DSN8MCE

DSN8MCG → DSN8MCE

DSN8MCE → DSN8MCG

Yes?
info@horizont-it.com

Connected as: P392e, file: XX40T#25

Lines: 41 Nodes: 5 Links: 7

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