



# HORIZONT

XINFO – Programming Languages z/OS – Easytrieve

# What is this presentation about?

This PowerPoint gives you a short overview about XINFO's Easytrieve for z/OS.

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 –  
Easytrieve**

Displays

General Info

Includes/Macros

Calls

Data Definition

External SQL

# Easytrieve – Displays

The screenshot shows the XINFO PC Client interface. The main window has a menu bar with 'File', 'Home', 'Table', 'Netplan', 'Barchart', 'Chart', 'Script', and 'View'. Below the menu bar is a toolbar with icons for Logon, Logoff, SQL, Connect, Options, Help, About, Home, and Note. The main workspace is divided into a 'Workspace Tree' on the left and a large empty area on the right. The 'Workspace Tree' contains a hierarchy of folders: PO, Output, Programs, Source, Assembler, C, COBOL, Easytrieve, Java, Natural, PL/I, XINFO, and Universal. The 'Easytrieve' folder is highlighted with a red rounded rectangle. A dark blue callout box with a white border points to the 'Easytrieve' folder, containing the text 'The displays for Easytrieve'. The 'Easytrieve' folder contains several sub-items: General Info, Includes/Macros, Calls, File Access, Data Definition, and External SQL. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#14'.

The displays for Easytrieve

# Easytrieve – General Info

The screenshot displays the XINFO PC Client interface with the 'Easytrieve - General Info' dialog box open. The dialog box contains the following fields and controls:

Field Name	Control	Value	Format
Main Program	Dropdown	[Empty]	
Main Lib	Dropdown	[Empty]	
Uses CALL (Y/N)	Dropdown	[Empty]	
HasCopyRows (Y/N)	Dropdown	[Empty]	
HasCallRows (Y/N)	Dropdown	[Empty]	
HasFileURows (Y/N)	Dropdown	[Empty]	
HasFileDRows (Y/N)	Dropdown	[Empty]	
Native SQL (Y/N)	Dropdown	[Empty]	
Last Update User	Dropdown	[Empty]	
Last Update Date	Dropdown	[Empty]	DD.MM.YYYY
Last Update Time	Dropdown	[Empty]	HH:MM
Load Module	Dropdown	[Empty]	
System	Dropdown	[Empty]	

At the bottom of the dialog box, there are three buttons: 'OK', 'Actions', and 'Cancel'.

The background interface shows a 'Workspace Tree' on the left with the following structure:

- PO
- Output
- Programs
- Source
  - Assembler
  - C
  - COBOL
  - Easytrieve
    - General Info (Selected)
    - Includes/Macros
    - Calls
    - File Access
    - Data Definition
    - External SQL
- Java
- Natural
- PL/I
- XINFO
- Universal

The status bar at the bottom indicates: 'Connected as: P392e, file: XX40T#14'.

# Easytrieve – General Info

The screenshot displays the Easytrieve software interface. On the left, a 'Workspace Tree' shows a list of programs. The main window displays a table of program information. The table has columns for 'MainPgm', 'C', 'I', 'C', and 'F'. The program #DIFFW13 is selected and highlighted. To the right, a 'Details' window shows the following information for #DIFFW13:

Name	Value
Main Program	#DIFFW13
Uses CALL (Y/N)	Y
HasCopyRows (Y/N)	Y
HasCallRows (Y/N)	Y
HasFileURows (Y/N)	Y
HasFileDRows (Y/N)	Y
Native SQL (Y/N)	N
Last Update User	P390S
Last Update Date	10.11.2003
Last Update Time	13:21
Load Module	#DIFFW13
Main Lib	DATA.XXR.SOURCE.EASYTRV.PGM
System	TEST

At the bottom of the main window, it says 'Connected as: P392e, file: XX40T#14'. The 'Details' window has buttons for 'OK', 'Copy', 'Print...', and 'Save As...'. The status bar at the bottom right shows 'Lines: 1147'.

# Easytrieve – Includes/Macros

The screenshot displays the XINFO PC Client interface with the 'Easytrieve - Includes/Macros' dialog box open. The dialog box contains the following configuration fields:

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]
Include Member	= [Dropdown] [Text Box]
Found (Y/N)	= [Dropdown] [Text Box]
Include Lib	= [Dropdown] [Text Box]
Nesting Level	= [Dropdown] [Text Box]
Load Module	= [Dropdown] [Text Box]
System	= [Dropdown] [Text Box]

The 'Workspace Tree' on the left shows the following structure:

- PO
- Output
- Programs
- Source
  - Assembler
  - C
  - COBOL
  - Easytrieve
    - General Info
    - Includes/Macros**
    - Calls
    - File Access
    - Data Definition
    - External SQL
- Java
- Natural
- PL/I
- XINFO
- Universal

The status bar at the bottom indicates: Connected as: P392e, file: XX40T#14

# Easytrieve – Includes/Macros

The screenshot displays the Easytrieve interface with the 'Includes/Macros' window open. The 'Details' dialog box is active, showing the following information:

Name	Value
Main Program	#CABENP1
Main Lib	DATA.XXR.SOURCE.EASYTRV.PGM
Source Member	#CABENP1
Source Lib	DATA.XXR.SOURCE.EASYTRV.PGM
Line	49
Include Member	OCACE020
Found (Y/N)	Y
Include Lib	DATA.XXR.SOURCE.EASYTRV.COPY2
Nesting Level	1
Load Module	#CABENP1
System	TEST

In the background, the 'Includes/Macros' window shows a list of include members with columns for 'MainPgm' and 'Main Lib'. The 'Details' dialog also features buttons for 'OK', 'Copy', 'Print...', and 'Save As...' at the bottom.



# Easytrieve – Calls

The screenshot displays the XINFO PC Client interface with the 'Easytrieve - Calls' dialog box open. The dialog box is titled 'Easytrieve - Calls' and contains the following fields:

Field	Value
Main Program	= [dropdown] [text input]
Main Lib	= [dropdown] [text input]
Source Member	= [dropdown] [text input]
Source Lib	= [dropdown] [text input]
Line	= [dropdown] [text input]
Called Prog	= [dropdown] [text input]
Has Pamlist Y/N	= [dropdown] [text input]
Returns	= [dropdown] [text input]
Load Module	= [dropdown] [text input]
System	= [dropdown] [text input]

At the bottom of the dialog box, there are three buttons: 'OK', 'Actions' (with a dropdown arrow), and 'Cancel'.

The background interface shows the XINFO PC Client with a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View) and a toolbar. The 'Table' menu is active, showing options like Copy, Select All, Toggle Selection, Edit, Customize, Use Default, Use Custom, Table Layout, Group, Statistics, Show SQL, and Inverse Filter. The 'Workspace Tree' on the left shows a hierarchy of folders, with 'Easytrieve' expanded to show sub-items like General Info, Includes/Macros, Calls (highlighted), File Access, Data Definition, and External SQL. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#14'.

# Easytrieve – Calls

The screenshot displays the Easytrieve interface. On the left, a 'Workspace Tree' shows a list of program calls. The main window shows a table of these calls. A 'Details' window is open, providing specific information for the selected call.

MainPgm	Main Lib
<all>	<all>
#CABENP1	DATA.XXR.SOUR
#CABENP1	DATA.XXR.SOUR
#CABENP1	DATA.XXR.SOUR
#CABENP1	DATA.XXR.SOUR
#CABENP1	DATA.XXR.SOUR
#DIFFW13	DATA.XXR.SOUR
ARB010A	DATA.XXR.SOUR
ARB010B	DATA.XXR.SOUR
DIFFVEC2	DATA.XXR.SOUR
DIFFW1V1	DATA.XXR.SOUR
DIFFW1V1	DATA.XXR.SOUR
DIFFW1V1	DATA.XXR.SOUR
DIFFW1V2	DATA.XXR.SOUR
DIFFW1V3	DATA.XXR.SOUR
DIFFW1V4	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR
EAGCO010	DATA.XXR.SOUR

  

Name	Value
Main Program	#CABENP1
Main Lib	DATA.XXR.SOURCE.EASYTRV.PGM
Source Member	#CABENP1
Source Lib	DATA.XXR.SOURCE.EASYTRV.PGM
Line	1464
Called Prog	OGGBCAGE
Has Pamlist Y/N	Y
Returns	
Load Module	#CABENP1
System	TEST

Connected as: P392e, file: XX40T#14

Buttons: OK, Copy, Print..., Save As...

Lines: 3148

# Easytrieve – File Access

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

Field	Dropdown	Text Input
Main Program	=	
Main Lib	=	
Source Member	=	
Source Lib	=	
Line	=	
File Name (intern.)	=	
Access	=	
Method	=	
Status	=	
Load Module	=	
System	=	

The background interface includes a menu bar (File, Home, Table, Netplan, Barchart, Chart, Script, View), a toolbar (Copy, Select All, Toggle Selection, Edit, Customize, Use Default, Use Custom, Table Layout, Group, Show SQL), and a Workspace Tree on the left. The Workspace Tree shows a hierarchy of folders: PO, Output, Programs, Source, Assembler, C, COBOL, Easytrieve (expanded), General Info, Includes/Macros, Calls, File Access (highlighted), Data Definition, External SQL, Java, Natural, PL/I, XINFO, and Universal. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#14'.

# Easytrieve – File Access

**Easytrieve - File Access**

MainPgm	FileName	Acc
<all>	<all>	<all>
▶ #CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	MGGKPOL	RE
#CABENP1	MAGK002	PO
#CABENP1	MAGK002	GE
#CABENP1	SOSPSCHW	PU
#CABENP1	OCAP0101	PO
#CABENP1	OCAP0101	GE
#CABENP1	SEGNAL	DIS
#CABENP1	OCAK002W	RE
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	OCAK002W	WR
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	SEGNAL	DIS
#CABENP1	OCAK002W	RE
#CABENP1	SEGNAL	DIS

Connected as: P392e, file: XX40T#14

**Details**

Name	Value
Main Program	#CABENP1
File Name (intern.)	SEGNAL
Access	DISPLAY
Method	OUTPUT
Main Lib	DATA.XXR.SOURCE.EASYTRV.PGM
Source Member	#CABENP1
Line	456
Source Lib	DATA.XXR.SOURCE.EASYTRV.PGM
Status	Y
System	TEST
Load Module	#CABENP1

Style ▾

Lines: 5000

OK
Copy
Print...
Save As...

# Easytrieve – Data Definition

**Easytrieve - Data Definition**

Main Program	=	
Filename	=	
Type	=	
Logical Unit	=	
Device Type	=	
RECFM	=	
LRECL	=	
BLKSIZE	=	
FULLTRK	=	
DBDName	=	
Rel. Pos of PCB	=	
Rel. Occ of DBDName	=	
DLI RESET Option YN	=	
Exit Program	=	
Exit uses Pams Y/N	=	
Modifying Exit Y/N	=	
TABLE	=	
Max TabEntries	=	
INSTREAM	=	
DEFER	=	
Main Lib	=	
Source Member	=	
Line	=	
Source Lib	=	
Load Module	=	
System	=	

OK    Actions    Cancel

# Easytrieve – Data Definition

The screenshot displays the Easytrieve Data Definition environment. On the left, the 'Workspace Tree' shows a list of programs. The main window is titled 'Easytrieve - Data Definition' and contains a table with columns 'MainPgm', 'Filename', and 'Type'. The program '#DIFFW13' with filename 'DINDBD1' and type 'DLI' is selected. A 'Details' window is open, showing the following attributes and values:

Name	Value
Main Program	#DIFFW13
Filename	DINDBD1
Type	DLI
Logical Unit	
Device Type	
RECFM	
LRECL	
BLKSIZE	
FULLTRK	N
DBDName	DINDBD1
Rel. Pos of PCB	
Rel. Occ of DBDName	2
DLI RESET Option YN	N
Exit Program	
Exit uses Parms Y/N	N
Modifying Exit Y/N	N
TABLE	N
Max TabEntries	
INSTREAM	N
DEFER	N
Main Lib	DATA.XXR.SOURCE.EASYTRV.PGM
Source Member	#DIFFW13
Line	12
Source Lib	DATA.XXR.SOURCE.EASYTRV.PGM
Load Module	#DIFFW13
System	TEST

At the bottom of the interface, there are buttons for 'OK', 'Copy', 'Print...', and 'Save As...'. The status bar at the bottom left indicates 'Connected as: P392e, file: XX40T#14'. On the right side, a 'Style' dropdown and a list of source members are visible, with the current member being 'DATA.XXR.SOURCE.EASYTRV.PGM'. The bottom right corner shows 'Lines: 5000'.

# Easytrieve – External SQL

The screenshot shows the XINFO PC Client interface with a dialog box titled "Source - Easytrieve - External SQL". The dialog is used to configure external SQL settings for a source member. The configuration is organized into a table with dropdown menus and text input fields.

Field	Dropdown	Text Input
Main Program	=	
Main Lib	=	
Source Member	=	
Source Lib	=	
Line	=	
Load Module	=	
SubSys	=	
Prefix	=	
Object	=	
Object Type	=	
Action	=	
Column Name	=	
Column Usage	=	
System	=	

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

The "Workspace Tree" on the left shows a hierarchical view of the project structure. The "Easytrieve" folder is expanded, and the "External SQL" option is highlighted with a dashed border.

At the bottom of the XINFO PC Client window, the status bar shows "Connected as: P392e, file: XX40T#14".

# Easytrieve – External SQL

The screenshot displays the Easytrieve interface with a 'Details' window open. The 'Details' window shows the following information:

Name	Value
Main Program	CKRN395
SubSys	
Prefix	
Object	KNDV990
Object Type	COLUMN
Action	SELECT
Column Name	KONCSEG_EXPONK
Column Usage	SELECT
Main Lib	DATA.XXR.SOURCE.EASTRV.COMPLEX.PGM
Source Member	CKRN395
Source Lib	DATA.XXR.SOURCE.EASTRV.COMPLEX.PGM
Line	76
Load Module	CKRN395
System	COMPLEX

The background shows a workspace tree with a table of objects. The table has columns for 'Main Pro', 'SubSys', and 'Prefix'. The status bar at the bottom indicates 'Connected as: P392e, file: XX40T#14'.



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 a triangle) scattered around the text.

**HORIZONT**

Please feel free to visit us in Munich or send an email to  
**[info@horizont-it.com](mailto:info@horizont-it.com)**