Objectives

You will learn:

- Displaying information about system, sub system, environment, types, and processors.
- Panel layout and navigation in Endevor.
- Display elements and component lists.
- The function of an Endevor FOOTPRINT.
- Endevor LOAD MODULE.
1 Starting Endevor- Environment Selection

Select an environment to continue. Enter the END command to exit.

1 DEVVAL   DEVELOPMENT => VALIDATION
2 CLAIMS   CMP DEVELOPMENT => VALIDATION
3 MI       MANAGEMENT INFORMATION
4 EARNINGS EARNINGS RECORD SOFTWARE
5 TITLE16  TITLE 16 SOFTWARE
6 TITLE2   TITLE 2 SOFTWARE
7 COMMON   COMMON SOFTWARE FOR ALL ENVIRONMENTS
8 ADMIN    ADMINISTRATIVE APPLICATIONS
9 PCCODREP REPOSITORY FOR PC AND IWS/LAN CODE
10 OSR     OSR DEVELOPMENT => VALIDATION
11 T2PROCES TITLE2 PROCESSING SOFTWARE

Access to this screen is specific to the installation.
2 Display Elements

The DISPLAY ELEMENTS function will allow viewing of the last five change levels to any element in Endevor.

---

--- Endevor for OS/390 Primary Options Menu ---

Option ===> 0

0 DEFAULTS - Specify Endevor ISPF default parameters
1 DISPLAY - Perform Display functions
2 FOREGROUND - Execute Foreground Actions
3 BATCH - Perform Batch Action processing
4 PACKAGE - Perform Foreground Package processing
5 BATCH PACKAGE - Perform Batch Package SCL Generation
U USER MENU - Display user option menu
T TUTORIAL - Display information about Endevor
C CHANGES - Display summary of changes for this release of Endevor
X EXIT - Exit the Endevor dialog

Current environment: DEVVAL


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The path which leads to Element Display begins with the Endevor Primary Options Menu screen.

- Select option 1 DISPLAY to begin.

- From the DISPLAY OPTIONS MENU panel, select 1 ELEMENT to browse any element in the system.
### 3 Action Processing

Four different types of action processing can be performed from the CA-Endevor Primary Options Menu:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 2</td>
<td>FOREGROUND</td>
</tr>
<tr>
<td>Option 3</td>
<td>BATCH</td>
</tr>
<tr>
<td>Option 4</td>
<td>PACKAGE</td>
</tr>
<tr>
<td>Option 5</td>
<td>BATCH PACKAGE</td>
</tr>
</tbody>
</table>
4 Display Elements/Component Lists

On the Display Elements/Component lists menu, it is recommended that as many components of the FROM ENDEVOR section of this screen be completed as possible. The more complete the information that is entered from this screen, the fewer the number of screens that will be presented for further selection.

The option selection blank - Display selection list can be left empty. This reason is that there will be uncertainty regarding the ELEMENT name and TYPE. By leaving these fields blank on the FROM ENDEVOR section, there will be a list of elements to choose from consisting of all types.

Most of the entries in the Display elements/component lists menu, except for the ELEMENT field, are saved in the TSO profile. These values will be carried over from function to function and signon to signon.
5 ELEMENT SELECTION LIST

Place a B (browse) next to the element that is to be displayed and press the ENTER key.

Other options also available are: S (Summary), M (Master), C (Changes), and H (History).

<table>
<thead>
<tr>
<th>COMMAND</th>
<th>SCROLL</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEMENT SELECTION LIST</td>
<td>Row 1 of 55</td>
<td>---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>TYPE</th>
<th>ENVIRON</th>
<th>S</th>
<th>SYSTEM</th>
<th>SUBSYSTEM</th>
<th>VV.LL</th>
<th>CURRENT</th>
<th>GENERATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATTRIBS</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>26JAN09</td>
<td>26JAN09</td>
</tr>
<tr>
<td>BENEFIT</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>04AUG09</td>
<td>04AUG09</td>
</tr>
<tr>
<td>COB85B</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>01AUG09</td>
<td>01AUG09</td>
</tr>
<tr>
<td>EA04LNDK</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>03AUG10</td>
<td>03AUG10</td>
</tr>
<tr>
<td>ED02CTL</td>
<td>CLC85</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>04AUG09</td>
<td>04AUG09</td>
</tr>
<tr>
<td>ED02C00</td>
<td>CC85NA</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>08DEC09</td>
<td>08DEC09</td>
</tr>
<tr>
<td>ED02C00</td>
<td>LNKC85C</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>08DEC09</td>
<td>08DEC09</td>
</tr>
<tr>
<td>EE00WS</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>18OCT10</td>
<td>18OCT10</td>
</tr>
<tr>
<td>EM00CTL</td>
<td>CLC85</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>04AUG10</td>
<td>04AUG10</td>
</tr>
<tr>
<td>EM00C00</td>
<td>CC85NA</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.17</td>
<td>27JUL09</td>
<td>07NOV09</td>
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<tr>
<td>EM00GCA</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.10</td>
<td>01AUG09</td>
<td>03AUG09</td>
</tr>
<tr>
<td>ESAATRBCA</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>03APR09</td>
<td>03AUG09</td>
</tr>
<tr>
<td>ESAATRBS</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.00</td>
<td>03APR09</td>
<td>03AUG09</td>
</tr>
<tr>
<td>ESMESWS</td>
<td>CPOYDRMS</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.02</td>
<td>09MAR09</td>
<td>03AUG09</td>
</tr>
<tr>
<td>EU08LINK</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.01</td>
<td>04AUG09</td>
<td>04AUG09</td>
</tr>
<tr>
<td>EU09CALL</td>
<td>CPLY</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.01</td>
<td>24SEP09</td>
<td>24SEP09</td>
</tr>
<tr>
<td>FRAN</td>
<td>BC85NA</td>
<td>DEVVAL</td>
<td>D</td>
<td>TRAINING</td>
<td>ENDCLASS</td>
<td>01.01</td>
<td>25MAR10</td>
<td>25MAR10</td>
</tr>
</tbody>
</table>
6 Endevor’s ELEMENT DISPLAY

This panel displays the banner page for Endevor’s ELEMENT DISPLAY. The detailed element information within the banner and the SOURCE LEVEL INFORMATION summary is on the bottom portion of the page.

By paging down from the previous banner screen, the source code for this element will be visible.

```
+00 000100 ID DIVISION.
```
7 Change Levels

The first three columns show the current CHANGE LEVEL for each line of code. A percent sign (%) precedes all changes that occurred after the base level.

Deleted lines are not displayed in the BROWSE (B) mode. Deleted lines may be displayed by viewing the element in HISTORY (H) mode.

By displaying the same element in HISTORY (H) mode, any deleted lines are flagged with a minus sign (-) prefixed to the change level for the deletion.
8 Display System Names

The path which leads to the SYSTEM DISPLAY of system names begins with the Endevor Primary Options Menu screen.

--- SYSTEM DISPLAY ---

OPTION ===> blank - Display system definition

ENVIRONMENT ===> DEVVAL

SYSTEM ===> TRAINING

From the DISPLAY OPTIONS MENU panel, select 5 SYSTEM. Fill in the ENVIRONMENT name and leave the SYSTEM field blank. Press ENTER to display the current list of systems.
The SYSTEM SELECTION LIST screen displays the current list of systems in use for the environment selected. Additional information about a particular system can be designated by placing an S (Select) next to the SYSTEM name and pressing the ENTER key.

The SYSTEM DEFINITION panel is the last screen displayed in this flow. The output loadlib names are located close to the bottom of the screens.
10 Display Subsystem Names

The path which leads to the Display of subsystem names also begins with the Endevor PRIMARY OPTIONS MENU screen.

Select option 1 DISPLAY to begin this flow.

From the DISPLAY OPTIONS MENU panel, select 6 SUBSYSTEM.

If the information is available, fill in the ENVIRONMENT name and the SYSTEM.

Leave the SUBSYSTEM field blank and press ENTER to display the current list of subsystem names.

```
----------------------------- SUBSYSTEM DISPLAY -----------------------------
OPTION ===> 
    blank - Display subsystem definition
ENVIRONMENT ===> DEVVAL
SYSTEM ===> TRAINING
SUBSYSTEM ===> 
```

Type the letter S (select) next to the subsystem name that is to be reviewed and press the ENTER key.

The SUBSYSTEM DEFINITION panel presents the current information for the SUBSYSTEM that has been selected from the previous screen.
DISPLAY --------------------- SUBSYSTEM DEFINITION ---------------------

COMMAND ===> 

CURRENT ENV: DEVVAL SYSTEM: TRAINING 
NEXT ENV: DEVVAL SYSTEM: TRAINING 

SYSTEM TITLE: SYSTEM FOR USE DURING ONLINE QCEM CLASSES 
SUBSYSTEM: ENDCLASS 
TITLE: ONLINE QCEM ENDEVOR EXERCISE WORK AREA 
NEXT SUBSYSTEM: ENDCLASS 
UPDATED: 31JUL09 13:54 BY $4089 

--- SUBSYSTEM SELECTION LIST ---
COMMAND ===> SCROLL ===> PAGE 

CURRENT ENV: DEVVAL SYSTEM: TRAINING 
NEXT ENV: DEVVAL SYSTEM: TRAINING 

SUBSYSTEM SUBSYSTEM TITLE 
ENDCLASS ONLINE QCEM ENDEVOR EXERCISE WORK AREA 

-------------------------------- Bottom of data --------------------------------
11 Display Element Types

The path which leads to the Display of Element Types also begins with the Endevor Primary Options Menu screen.

Select option 1 DISPLAY to begin this flow.

From the DISPLAY OPTIONS MENU panel, select 7 TYPE.

<table>
<thead>
<tr>
<th>OPTION</th>
<th>TYPE DISPLAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>blank</td>
<td>Display type definition</td>
</tr>
</tbody>
</table>

ENVIRONMENT ===> DEVVAL
SYSTEM      ===> TRAINING
TYPE        ===> 
STAGE       ===> D  D - DEVLIBS  V - VALLIBS

Fill in the ENVIRONMENT name and the SYSTEM if that information is available. Leave the TYPE field blank and a list of the current TYPES in use in this ENVIRONMENT will be presented. Fill in as much information as is possible and press ENTER to process this screen.
Type the letter S (select) next to the ELEMENT TYPE that is to be reviewed and press the ENTER key.

The TYPE DEFINITION panel presents the current information for the ELEMENT TYPE that has been selected from the previous screen.
FOOTPRINT

A FOOTPRINT is a set of encrypted data placed by Endevor processors in generated source, object, or load modules.

FOOTPRINTS contain location and event information from the Master Control File record for the element, including:

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Environment</th>
<th>Stage number</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>Subsystem</td>
<td>Type</td>
</tr>
<tr>
<td>Element name</td>
<td>Version and level</td>
<td>Date and time the output was created.</td>
</tr>
</tbody>
</table>

---

#### DISPLAY OPTIONS MENU

**OPTION ===> 2**

1. **ELEMENT** - Display element/component list information
2. **FOOTPRINT** - Display footprinted members and compressed listings
3. **SITE** - Display site information
4. **STAGE** - Display stage information
5. **SYSTEM** - Display system definitions
6. **SUBSYSTEM** - Display subsystem definitions
7. **TYPE** - Display type definitions
8. **PROCESSOR GROUP** - Display processor group definitions
9. **APPROVER GROUP** - Display approver groups
A. **RELATE GROUP** - Display inventory area/approver group relationships
E. **ENVIRONMENT** - Display information about the current environment
Endevor uses footprints to keep source code synchronized with executables. Footprints can be used for displaying information about the source associated with an executable.

The LIBRARY SELECTION LIST panel will offer a member list when a member name has not been specified on the previous screen.

Make the selection by typing I (DISPLAY LOAD MODULE CSECTS AND Endevor FOOTPRINTS) on the line directly in front of the member name that is to be chosen.

<table>
<thead>
<tr>
<th>Library: SYSE.RD.MERA.ALL.LOADB</th>
<th>Member: COBPA003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options:</td>
<td></td>
</tr>
<tr>
<td>B - Browse element</td>
<td></td>
</tr>
<tr>
<td>C - Show changes only</td>
<td></td>
</tr>
<tr>
<td>S - Show change summary</td>
<td></td>
</tr>
<tr>
<td>H - Show change history</td>
<td></td>
</tr>
<tr>
<td>M - Show Master Record</td>
<td></td>
</tr>
</tbody>
</table>

```
<table>
<thead>
<tr>
<th>CSECT</th>
<th>SYSTEM</th>
<th>SUBSYSTEM</th>
<th>ELEMENT TYPE</th>
<th>S</th>
<th>VV.LL</th>
<th>DATE</th>
<th>TIME</th>
<th>LD</th>
</tr>
</thead>
<tbody>
<tr>
<td>*LOADMOD</td>
<td>PRCSTES2</td>
<td>PRCSTES2</td>
<td>COBPA003</td>
<td>1</td>
<td>01.09</td>
<td>ddmmmyy 15:54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COBPA003</td>
<td>PRCSTES2</td>
<td>PRCSTES2</td>
<td>COBPA003</td>
<td>1</td>
<td>01.09</td>
<td>ddmmmyy 15:54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IGZEBST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

**************************************** Bottom of data *******************************************