

Installing the Eclipse User Interface

You can use the CA InterTest and CA SymDump applications through the traditional green screen interface or through an Eclipse-based graphical user interface (Eclipse UI). You can install the Eclipse UI on any Windows computer as either an Eclipse plug-in or as a standalone executable built on the Eclipse rich client platform (Eclipse RCP). This article describes how to install and configure the Eclipse UI for all of the CA InterTest and CA SymDump products.

Eclipse Plug-in

Use the standard Eclipse plug-in installation procedures to install the application as an Eclipse plug-in. The application requires a 32-bit version of Eclipse 4.2.2. For more information on installing Eclipse plug-ins, see the Eclipse product documentation. You can install into Eclipse the plug-ins for multiple CA InterTest and CA SymDump products, but you should only install one instance of the CA Testing Tools Eclipse Runtime Components. Deselect additional instances of the runtime components at installation.



Note: When you install the Eclipse plug-in for any of the CA InterTest and CA SymDump products you may receive a provisioning error in the Eclipse error log. Ignore this message. It does not impact the product functionality.

When you install the CA InterTest™ and SymDump® and CA File Master™ Plus plugins into Eclipse and RDz, ensure that you install CA InterTest™ and SymDump® first.

Eclipse RCP

The Eclipse RCP is built on the Eclipse rich client platform and is installed as a standalone executable. Before you install the Eclipse RCP, follow the procedures to install mainframe support.

Install Mainframe Support

Mainframe support consists of a Testing Tools server to provide interface support to various mainframe InterTest and SymDump facilities such as symbolic and listing information. This server consists of files that support running a job in the z/OS UNIX System Services (USS) address space. The CA Testing Tools server requires IBM Java 5.0 (at or above SR5A) or IBM Java 6.0 (at or above SR4). Both 32-bit and 64-bit versions are supported.

You can implement the server as a started task. These steps guide you through installing mainframe support for the Eclipse User Interface.

Install Apache Tomcat

You can install the Eclipse UI only in environments where the Apache Tomcat server is installed. This server implements specific instances for the Testing Tools server. Refer to the CA Common Services documentation for Apache Tomcat installation instructions.

Modify the Sample JCL Library

Follow these steps:

1. Modify CAVHJCL data set member CAVHALOC as described within the JCL and execute to successful completion. This job allocates, initializes, and mounts a CA Testing Tools server instance file system and creates the starting directory within it. If this step is not needed and you do not have restricted privileges, ignore the error that is generated. This attribute is not needed unless your STEPLIB is PROGRAM CONTROLLED, but setting it will do no harm.
2. Modify CAVHOPTN data set member CAVHUOPT as described within the member. This file is used as the input to the server providing product and runtime directory information.
3. Modify CAVHPROC data set member CAVHSRVR to your site standards and copy to a system procedure library. This is the JCL that is used to start the CA Testing Tools server. The owner of the CAVHSRVR job requires access to IBM SURROGAT class BPX.SRV. The owner also needs read access to the following IBM BPX facilities:
 - BPX.DAEMON.HFCTL
 - BPX.FILEATTR.APF
 - BPX.FILEATTR.PROGCTL
 - BPX.SERVER
 - BPX.SUPERUSER



Note: If you configure your product using CA CSM, note that this manual operation replaces the CA InterTest Common User Interface server procedure, CAHVSRRV, in your system PROCLIB. If you have already customized CAHVSRRV and do not want to replace it, then Confirm this operation when you implement the configuration.

To have CA CSM execute this step automatically during the implementation process, change the default value of Manual operation to Automatic operation before releasing it.

4. Modify CAVHJCL data set member CAVHDPLY as described within the JCL and execute to successful completion. This job deploys the CA Testing Tools server components to the file system allocated by the previous step.

Activate the IP CICS Sockets

If you are installing the Eclipse UI for CA InterTest for CICS or CA SymDump for CICS, you need to activate the IP CICS sockets in the CICS region. For more information, see the IBM z/OS *Communications Server IP CICS Sockets Guide*.

Follow these steps:

1. Update the CICS startup JCL to include TCP/IP data sets.
 - a. Add your site's TCPIP.SEZATCP data set to the DFHRPL concatenation.
 - b. Add a TCPDATA DD statement:


```
//TCPDATA DD SYSOUT=*,DCB=(DSORG=PS,RECFM=V,BLKSIZE=136)
```
 - c. Add an EZACONFG DD pointing to your configuration data set.
 - d. Add a SYSTCPT DD statement:


```
//SYSTCPT DD SYSOUT=*
```
2. Define the TCP/IP resources to CICS.
 - a. Use TCPIP.SEZAINST(EZACICCT) to add RDO definitions to your CICS region.
 - b. Set SIT option TCPIP= to YES:


```
TCPIP=YES
```
3. Define the CICS region to TCP/IP. Define the CICS region and ports your CICS region will use in CAI.PROFILE.TCPIP.
4. Build the TCP/IP configuration data set.
 - a. Use IBM sample JCL member TCPIP.SEZAINST(EZACICFG) to define TCP/IP in your CICS region.
 - b. Update the APPLID= and TCPADDR= parameters to your site specific names.
 - c. Define a FORMAT=ENHANCED listener for the user interface.
 - d. Specify a CSTRAN= parameter of ICDB. This parameter should match the value specified in the InterTest IN25OPTS macro for parameter ICDBT=. The default is ICDB.


```
CSTRAN=ICDB
```
 - e. If security validation is required for users connecting to CICS through the common user interface, you must set these parameters as follows:


```
MSGLEN=035, PEEKDAT=YES, SECEXIT=IN25TCPX
```



Note: These steps are the minimum requirements to activate IP CICS sockets for the common user interface. See the *IBM z/OS Communications Server IP CICS Sockets Guide* if you are setting up IP CICS sockets for the first time. The IBM manual details all the available EZACICD parameters and additional functionality of IP CICS sockets you may consider for your implementation.

Install the Workstation User Interface

The Eclipse-based graphical user interface is installed from a network install image that was created by running CAVHALOC and CAVHDPLY. The administrator must point the user to a shared resource on a network to which the user has access.

Wizard Driven Installation

Follow these steps:

1. Download the Windows installer file from <http://host:port/software>, where host and port are defined by your CA product administrator.
2. Open the windows installer file to execute the CA InterTest and CA SymDump Setup wizard.
3. Click Next, and follow the instructions in the wizard until you reach the Custom Setup page.
4. Select your product or products on the Custom Setup page. By default all CA InterTest and CA SymDump products are installed.
5. Click Next.
The Ready to Install page appears.
6. Click Install.
When the installation is complete, the setup wizard displays the Install Wizard Completed page.
7. Click Finish.
Your installation is complete. You can launch the Eclipse UI from the CA folder in your Windows start menu.

Silent Installation

Follow these steps:

1. Download the Windows installer file from <http://host:port/software> (<http://hostport>), where host and port are defined by your CA product administrator.
2. Open the Windows command line.
3. Run the following command:
`msiexec /qn /i path_to_msi`

Your installation is complete. The CA InterTest and SymDump shortcut appears in the Start menu.