

READ THIS FIRST

Optegra® 15.0

Important Installation and Usage Information

Directory of Online and DVD-ROM Information

Reference Documents	http://www.ptc.com/appserver/cs/doc/refdoc.jsp
Platform Support	http://www.ptc.com/partners/hardware/current/support.htm
Customer Care	http://www.ptc.com/support/index.htm

Welcome

Thank you for choosing Optegra 15.0. This new release contains customer-driven programs and other enhancements, including projects to ensure the long-term supportability of Optegra. To learn more about these new capabilities, refer to <http://www.ptc.com/appserver/mkt/products/home.jsp?&k=746> or the online documentation described later.

Installing PTC Products

To complete product installation, use your product's installation document. You can find PDF files of all documents on the product DVD-ROMs or on the PTC® Web site. On the Web site, choose the product or document type.

<http://www.ptc.com/appserver/cs/doc/refdoc.jsp>

To access all PTC documentation, you must have a valid user account. To request one, go to <http://www.ptc.com/appserver/common/account/basic.jsp>.

Note: Adobe Reader is required to read PDF files. You can download the software from the following address:

<http://www.adobe.com/products/acrobat/readstep2.html>

Product Software and Documentation Available on DVD Media

With this release of Optegra, the product software and documentation for the supported platforms are available on a single DVD-ROM. On UNIX, you must run the Software Loading and Installation Command (SLIC) using the absolute path and the appropriate platform directory. For Windows, the installer starts when you insert the DVD-ROM. To install documentation on Windows, cancel the installer and run `doc\windows\setup.exe`. The rest of the installation procedure remains the same, as documented in the installation guides

You can access the documentation from platform-specific directories in the `doc` directory.

Online Documentation for Optegra 15.0

All books in the online documentation set are for this release. Any book included from an earlier release contains current information.

Release Notes and What's New Information

What's New in Optegra 15.0 and *Optegra 15.0 Release Notes* are shipped on the product DVD-ROM. What's New is also available when you start EPD.Connect®.

Viewing What's New Information through EPD.Connect

You can view *What's New in Optegra 15.0* in the Java HTML browser when you start EPD.Connect. By default, this document is displayed each time you start EPD.Connect.

Set the EPD_SHOW_NEW_R15 variable to `yes` to enable the display of the What's New document. Set this variable to `no` if you do not want to display it. Alternatively, to disable the display of the document, clear the **See this next time** check box at the bottom of the Java HTML browser window.

Support for CADD5 5i Release 14 and Optegra Release 8

PTC plans to discontinue support for CADD5® 5i Release 14 and Optegra Release 8, effective December 2008. However, PTC will consider resolution of any issues in the maintenance builds of CADD5 5 15.0 and Optegra 15.0 and later.

Updating the License Management Software

The license management software provided with Optegra is FLEXnet 10.8.5. Update all license servers with the latest license management software, using the Optegra 15.0 DVD-ROM. The FLEXnet license daemons work with the current license files.

Accessing Open or Resolved Issues

To search for and view reported issues related to a specific release:

1. Access <http://www.ptc.com/support/support.htm>.
2. Click Search the Knowledge Base.
3. Search for Technical Application Notes (TAN) related to the specific product.

To access this search tool, you must have an account with PTC. To open an account, go to <http://www.ptc.com/appserver/common/account/basic.jsp> or call the PTC Customer Care Center. For PTC Customer Services Worldwide Contact Information, see http://www.ptc.com/cs/doc/cont_sup.htm.

Optegra Support for Oracle 10g

Optegra 15.0 supports Oracle 10g Release 2, patchset 10.2.0.3.

Supported Operating System Versions

Optegra supports the following platforms and server-client combinations:

Platform	Server	Client
HP PA-RISC	HP-UX 11i	HP-UX 11i
Intel	Windows XP Professional with Service Pack 2	Windows XP Professional with Service Pack 2, Windows XP Professional x64 Edition with Service Pack 1
Sun SPARC	Solaris 10, Solaris 8	Solaris 10, Solaris 8
Sun x64	Solaris 10	Solaris 10

On Solaris and HP-UX, you can use the `uname -a` command to determine the system's operating system version. Use `more /etc/motd` to obtain information on the operating system version if the `motd` file has not been modified previously.

Solaris 10 x86 Support

Optegra 15.0 is now available on Solaris 10 x86 and certified x64 platforms. Refer to the Platform Support page for details.

IBM AIX Support

PTC no longer supports CADD5 5 and Optegra on the IBM AIX operating system. For details, refer to

http://www.ptc.com/WCMS/files/55649/en/IBM_retire_final_070807.pdf.

Supported Compilers

Compilers for this Optegra release are listed in the following table.

Platform	Operating System	C	C++
HP PA-RISC	HP-UX 11i	B.11.X.32509-32512.GP	A.03.63
Intel	Windows XP with SP 2	Visual Studio 2005	Visual Studio 2005
Sun SPARC	Solaris 8	Sun Studio 10	Sun Studio 10
Sun x64	Solaris 10	Sun Studio 10	Sun Studio 10

Supported Patches

Optegra was subjected to final qualifications using system patches that are available on vendor-specific Web sites. The following list provides the baseline patch requirement. Contact your hardware vendor for patch availability.

Operating System	Recommended Patch Bundle	Specific Patches Required
HP-UX 11i	BUNDLE11i B.11.11.0102 Required Patch Bundle for HP-UX 11i, February 2001	GOLDAPPS11i June 2005

Operating System	Recommended Patch Bundle	Specific Patches Required
HP-UX 11i Fire GL-X1- 256 Graphics Card	—	Dec 11i Dec2003 Quality Gold Pack and Hardware Enablement Graphics and Technical Computing B.11.11.13 PHNE_29947
HP-UX 11i Fire GL-X3 Graphics Card	—	June 2004 HWEEnable11i (or later) June 2004 GoldBASE11i (or later) June 2004 GoldAPPS11i (or later) PHSS_31281 Xserver cumulative patch PHSS_31270 3D Common Run PHSS_31271 PEX 5.1/Starbase/Hardcopy Run PHSS_31276 OpenGL 1.1 Run PHSS_32185 C8000 PDC 2.12, BMC 2.32 Firmware Patch
Solaris 10 x86	—	—
Solaris 10 SPARC	—	118367-03 XVR-2500 120928-10
Sun Blade 2500, Solaris 8 HW 05/03	—	XVR-1200 XVR-600
Sun Blade 2000, Solaris 8 HW 02/02	—	XVR-1000 112564-24 XVR-500, Elite 3D, Expert 3D 108576-32 OpenGL 1.2.3 112628-11 (for 32-bit) OpenGL 1.2.3 112629-11 (for 64-bit)
Sun Blade 1500, Solaris 8 HW 05/03	—	XVR-1000 112564-05 XVR-500, Elite 3D, Expert 3D 108576-32 OpenGL 1.2.3 112628-11 (for 32-bit) OpenGL 1.2.3 112629-11 (for 64-bit)

Operating System	Recommended Patch Bundle	Specific Patches Required
Solaris 8	Recommended Patch Cluster March 25, 2003	OpenGL 1.1.2 107104-13 (for 32-bit) OpenGL 1.1.2 107105-13 (for 64-bit) OpenGL 1.2 108131-17 (for 32-bit) OpenGL 1.2 108132-17 (for 64-bit) OpenGL 1.2.1 109543-18 (for 32-bit) OpenGL 1.2.1 109544-18 (for 64-bit) OpenGL 1.2.2 111993-02 (for 32-bit) OpenGL 1.2.2 111994-02 (for 64-bit) OpenGL 1.3 113886-34 (for 32-bit) OpenGL 1.3 113887-34 (for 64-bit)
Windows XP Professional x64 Edition	Service Pack 1	—
Windows XP Professional	Service Pack 2	—

EPD.Connect

Installing and Setting Up the cadds2pv Converter for DIVISION™ MockUp

Use the `cadds2pv` converter instead of the `cv2vdi` converter to convert CADDs parts to graphics in the `.bgf` format that is compatible with DIVISION MockUp. The `cv2vdi` converter is no longer supported.

To use the `cadds2pv` converter, you must install and configure ProductView™ Adapter for CADDs 5 as follows before you start EPD.Connect. ProductView Adapter is available only on HP-UX and Solaris SPARC.

- Set the `PVIEW_HOME` environment variable to the installation directory of ProductView Adapter:

```
setenv PVIEW_HOME /opt/ptc/productview_adapters
```
- Add the `${PVIEW_HOME}/sun4_solaris/obj` directory to the `PATH` environment variable:

```
setenv PATH ${PATH}:${PVIEW_HOME}/sun4_solaris/obj
```
- Add the `${PVIEW_HOME}/etc/caddstools/sun4_solaris/lib` directory to the `LD_LIBRARY_PATH` environment variable:

```
setenv LD_LIBRARY_PATH  
${LD_LIBRARY_PATH}:${PVIEW_HOME}/etc/caddstools/sun4_solaris/lib
```

Note: The **Display > Convert > All** and **Display > Convert > Selected** commands are currently not supported. If you select these commands, the converted objects are displayed in the default color of red.

Cadds2pvs Command

Instead of directly running the `cadds2pvs` binary as in the previous releases, you must run one of the following scripts to generate the `.gaf` and the `.gbf` graphics files from a CADD5 part:

- `cadds2pvs.pl` on Windows
- `cadds2pvs` on UNIX

Both these scripts create the `.gaf` and `.gbf` files from the `_pd` file instead of the `_td` file of previous releases. Additionally, these scripts use the `CADD52PVS` utility along with the `CVPATH` variable. Therefore, do not run this utility directly.

Note: The `-f`, the `-u unit_type`, and the `-S` options of the `cadds2pvs` command are not supported. See Appendix F, “CADD5 Interface” of the *EPD.Visualizer User Guide* for details.

Generating a List of the Selected Nodes in the Product Structure Window

EPD.Connect now supports the listing of up to 13,000 nodes using the `TREE_STATS` `KEYWORD=SELECT_LIST` command.

Clash Detection and Management (CDM)

CDM is a new application in EPD.Connect that enables you to detect and manage clashes. For details about its capabilities, refer to

<http://www.ptc.com/products/cadds5/clash-detection-and-management-solution>.

Setting CLASSPATH on Windows

Before you run command-line scripts from the `%CDM_HOME%/scripts` directory, add `CLASSPATH` as an environment variable and set it to `%CDM_HOME%/data/reposit/cdms.jar` as follows:

1. Click **Start** > **Settings** > **Control Panel** > **System**. The **System Properties** dialog box opens.
2. Click **Advanced** > **Environment Variables**. The **Environment Variables** dialog box opens.
3. Click **New** to add `CLASSPATH`. The **New System Variables** dialog box opens.
4. Specify the following values:

`-CLASSPATH` in **Variable name**

`-%CDM_HOME%/data/reposit/cdms.jar` in **Variable value**

Note: If `CLASSPATH` exists, click **Edit** in the **Environment Variables** dialog box and include `%CDM_HOME%/data/reposit/cdms.jar` as an additional value of `CLASSPATH` in the **Edit System Variables** dialog box.

5. Click **OK**.

Retrieving Global Clashes

You can use only one filter to retrieve global clashes because the CDM application currently does not allow you to use a combination of filters.

Closing the CDM Message Window

Press the SPACEBAR instead of clicking **Ok** to close the CDM Message window that opens when you set a clash state to an invalid transition on the Modify Clash property sheet.

Accessing Log Files

CDM creates a new log file in the /tmp directory on UNIX or the %TEMP% folder on Windows for each CDM session. All events that occur during that session are logged in that file. The name of a log file starts with `cdm.log.latest`. These log files are accessible even after CDM session exits. You can identify the log file for a CDM session based on the last modified date and time of the file.

3D Navigation

Accessing a USB 3Dconnexion 3D Mouse on UNIX

If you have connected a 3Dconnexion 3D mouse to your workstation through the USB port, you must start its driver as `root` to access the device.

Optegra Vault

Single Entry for Optegra Applications in Add or Remove Programs Dialog Box

The installer on Windows creates a single entry for **Optegra Applications** in the dialog box that opens when you click **Start > Settings > Control Panel > Add or Remove Programs**. You can select **Optegra Applications** and click **Remove** to remove all installed Optegra software.

Distributing the Vault Servers on Two Nodes

Distributing Vault servers for better load management works only when the main node and the auxiliary node are both on UNIX or on Windows. This configuration does not work for a combination of platforms.

Enhanced Storage Capacity of Tape Media on UNIX

The incremental backup command for Vault, `CIIBKUP`, and the archive command, `CIARCHIVE`, can store up to 90 percent of the maximum storage capacity of the tape media. The value of the `ETAPESIZE` environment variable specifies the storage capacity in gigabytes. The default value is 2. Make the value equal to or less than the actual storage capacity of the tape media. The `ETAPESIZE` environment variable is only used with the `TAPENLABEL` command.

Incremental Backup on Windows

The `ciibkup` incremental backup command works only with the `tapelabel` command. Additionally, you can perform an incremental backup only if the tape capacity is greater than the size of the data to be backed up.

Optegra and CADD5 Compatibility

If you want to use EPD-enabled CADD5 5 for Release 15.0, you must install Optegra 15.0. Earlier versions of Optegra are not supported.

Note: EPD-enabled CADD5 5 is supported on Sun Solaris SPARC only.

CADD5 5 and Optegra Interoperability

In Optegra 15.0, the NAV/CAMU mode works with CADD5 5 Releases 14 and 15.0.

Trademark Acknowledgments

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