

CADDS[®] 5 Revision 9.0 Release Notes

CADDS 5 Revision 9.0

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Preface

The *CADDS 5[®] Revision 9.0 Release Notes* include:

- Required operating system patches
- System considerations and other considerations not documented in the on-line book, *CADDS 5 Revision 9.0 Tips and Considerations*

Concerns and Documentation Comments

For resources and services to help you with PTC software products, see the *PTC Customer Service Guide*. It includes instructions for using the World Wide Web or fax transmissions for customer support.

In regard to documentation, PTC welcomes your suggestions and comments. You may send feedback in the following ways:

- Send comments electronically to the following address:

`doc_webhelp@ptc.com`


- Fill out and mail the PTC Documentation Survey in the service guide.

Online User Documentation

We supply online documentation in HTML and provide PostScript files of each book in the online collection. You may print the PostScript files for hard copy books. The documentation media contains the PostScript files.

Book Conventions

The following table illustrates and explains conventions used in writing about CADD5 applications.

| Use of the Convention | Examples | Explanation |
|---|---|---|
| Menu selections and options | List Section option, Specify Layer field, File menu | Indicates a selection you must make from a menu or property sheet or a text field that you must fill in. |
| User-selected graphic location | X, d ₁ or P1 | Marks a location or entity selection in graphic examples. |
| User input in CADD5 text fields and on any command line | cvaec.hd.data.param tar -xvf /dev/rst0 | Enter the text in a CADD5 text field or on any command line. |
| System output | Binary transfer complete. | Indicates system responses in the CADD5 text window or on any command line. |
| Variable in user input | tar -cvf /dev/rst0 filename | Replace the variable with an appropriate substitute; for example, replace filename with an actual file name. |
| Variable in user input | tar -cvf /dev/rst0 <filename> | Replace the variable with an appropriate substitute; for example, replace <filename> with an actual file name. |
| Variable in text | tagname | Indicates a variable that requires an appropriate substitute when used in a real operation; for example, replace tagname with an actual tag name. |
| CADD5 commands and modifiers | INSERT LINE TANTO | Shows CADD5 commands and modifiers as they appear in the command line interface. |
| Text string | "SRFGROUPA" or 'SRFGROUPA' | Shows text strings. You must enclose text string with single or double quotation marks. |
| Return key | <CR> | Press the <i>Return</i> key. |
| Return key |  | Press the <i>Return</i> key. |
| Integer | n | Supply an integer for the <i>n</i> . |
| Real number | x | Supply a real number for the <i>x</i> . |
| # | # mkdir /cdrom | Indicates the root (superuser) prompt on command lines. |
| % | % rlogin remote_system_name -l root | Indicates the C shell prompt on command lines. |

| Use of the Convention | Examples | Explanation |
|-----------------------|---|---|
| \$ | <pre>\$ rlogin remote_system_name -l root</pre> | Indicates the Bourne shell prompt on command lines. |

Reporting Problems

1. Review the events that led to your concern. Check the documentation to ensure the correct use of commands and system features. Try the procedure or commands again in a simple test case. If the error recurs, report it as a problem.
2. Please have the following information available:
 - System number
 - Contact name and telephone number
 - Software product and revision being used, for example, CADD5 5 Revision 9.0
 - System being used
 - Problem description with the menu, command, or keyword.
 - Tasks in which the situation occurs
 - Name of the menu and menu item or syntax of the command
 - Results from the system
3. Contact the Customer Support Center (see the *PTC Customer Service Guide*). Your call will be forwarded to an analyst. The analyst will discuss your problem with you, do a preliminary analysis, and provide information about any similar problems and available solutions.
4. After the analyst has re-created your software problem and has validated it as a defect, the log ID for your defect is forwarded to software engineering for further action.

System considerations for CADD5 5 Revision 9.0 on UNIX are noted in this chapter along with other considerations that are not documented in *CADD5 5 Revision 9.0 Tips and Considerations*.

Updated License File

CADD5 5 Revision 9.0 requires an updated license file. See *Using the License Manager* for more information.

Please note: The features section in the license file appears similar to this:

```
FEATURE xxxx epd 9.000 . . . .
```

Installation Directory for STEP and IGES Translators

If you are installing IGES, STEP, or VDAFS, the default installation directory is `/usr/apl/cvuts`.

Translator CAMU IGES

You can schedule translations to run on at specified date and time using the Cron menu. This menu is available by selecting the Add option on the CAMU Putiges user interface. For more details regarding the cron tool, refer to the help available through the Help option on CAMU Putiges user interface.

Browser Settings for Java

Before using the HTML online help, make sure that JavaScript is enabled in your browser preferences. Enabling JavaScript allows you to use the following buttons in the navigator panel of the HTML online help.

- Main Menu
- Contents
- Index
- Search
- Reset

To enable Java scripts and the Java option in Netscape 4.04:

1. Choose Edit>Preferences.
2. In the Category field, click Advanced.
3. Check Enable Java and Enable JavaScript.
4. Click **OK**.

EPD Enabled CADD5 5

Delivered as part of the Optegra Interface for CADD5 5 package, EPD Enabled CADD5 5 is currently supported on Solaris and IBM platforms only. EPD Enabled CADD5 5 will be supported on all platforms in the near future.

IGES on IBM

The latest version of IGES 4.0 is included with CADD5 5 Revision 9.0 for all platforms except IBM. The version for IBM is 3.3.

Required Patches

Supported Operating System (OS) Versions

CADDS 5 supports the following operating systems and window managers:

| Platform | OS Version and Window Manager |
|----------|---|
| SUN | Solaris 2.5.1 hardware 11/97 (CDE and Open Windows) and Solaris 2.6 |
| HP | HP-UX 10.20 (HP-VUE and CDE) |
| Digital | Digital UNIX v4.0D |
| SGI | IRIX 6.2, 6.3 (Indigo Magic), 6.4, and 6.5 |
| IBM | AIX 4.2.1 (CDE) and 4.3 |

The command `uname -a` reports the system's OS version.

Compilers for CADDS 5 Revision 9.0

CADDS 5 Revision 9.0 compilers are listed below:

| Platform | C | C++ | FORTRAN |
|-----------------------|---------------------|-----------------------|-----------------------|
| Solaris 2.5.1 | SparcCompiler C 4.2 | SparcCompiler C++ 4.2 | SparcCompiler F77 4.2 |
| SGI 6.2 | 7.1 | 7.1 | 7.1 |
| Digital 4.0D | V5.6-071 | V6.0-21 | V5.0-138 |
| Hewlett Packard 10.20 | G.10.32.05 | A.01.15(acc) | B.10.20.09 |
| IBM 4.2.1 | 3.1.4.0 | 3.1.4.0 | 4.1.0.0 |

Required OS Patches

Please note: All patch revisions and availability for all platforms are subject to change.

Required OS Patches and Prerequisites for Solaris 2.6

There are two software patches required for Solaris 2.6:

- 105284-04—Motif runtime kit patch
- 105360-09—Creator/FFB Graphics patch

Required OS Patches and Prerequisites for Solaris 2.5.1

Please note: You must load the operating system software cluster before you install the patch.

| Patch | OS Software Cluster | OS Software Cluster Description | Patch Description |
|-----------|---------------------|---|---|
| 103368-03 | SUNWxgldg | XGL Generic Loadable Libraries | XGL Patch. This patch must also be loaded for X11 |
| | SUNWxglrt | XGL Runtime Environment | |
| 103461-13 | | | Corrects problem in CDE when taking a snapshot onto CADDs shading or Visualizer image |
| 105790-03 | SUNWffb | Creator Graphics (FFB) System Software (Device Driver) | Creator 3D Patch |
| | SUNWffbcf | Creator Graphics (FFB) Configuration Software | |
| | SUNWffbw | Creator Graphics (FFB) Window System Support | |
| | SUNWffbxg | Creator Graphics (FFB) XGL Support | |
| | SUNWv1xi1 | VIS/XIL Support | |
| 103566-08 | SUNWxwplt | X Windows Platform Software | OpenWindows 3.5.1 X Server patch |
| | SUNWxwslb | X Windows static/lint libraries | |
| 104589-01 | SUNWxwpsr | Sun4u-platform specific X server auxiliary filter modules | OpenWindows 3.5.1 X Server patch |

Patch 104731-02 is required for all stand-alone CV-DORS users only.

Required OS Patch for SGI IRIX 6.2

| Patch | Description |
|-------|---|
| 1345 | For programming customers. Fixes the compiler core dumping with a segmentation violation when the -g flag is given to the compiler. |

There are no patches required to run CADD5 5 Revision 9.0 on SGI IRIX 6.3, 6.4, and 6.5.

Required OS Patches for HP-UX 10.20

The following are the HP-UX software components for Visualize-FX graphics:

- HP-UX software components for Visualize-FX graphics
- B6193AA - B.10.20.ACE.00 Workstation ACE for HP-UX 10.20 (July 1997) B6196AA_APZ B.10.20.01 - HP-UX 700 OpenGL 3D Graphics API Run Time Environment
- HPUXEngCR700 - B.10.20 - English HP-UX CDE Runtime Environment
- PHSS_11405 - B.10.00.00.AA OpenGL 1.1 Revision 1.01 - Runtime patch
- HP-UX software components for CRX, HCRX, Visualize, and EG graphics (PEX only)
- HPUXEngCR700 - B.10.20 - English HP-UX CDE Runtime Environment PHCO_10908 B.10.00.00.AA csh(1) cumulative patch
- PHSS_1074 - B.10.00.00.AA LIBCL - cumulative patch
- PHSS_10765 - B.10.00.00.AAdld.sl(5) - cumulative patch
- PHSS_11399 - B.10.00.00.AAPEX 5.1/Starbase/Hardcopy - Runtime patch
- PHSS_12308 - B.10.00.00.AA - Common Graphics Binary API patch

- PHCO_13632 - medcvd patch
- PHSS_12609 - B.10.00.00.AA HP aC++ core library components (A.01.07)
- PHSS_15043 - dld.sl patch

The necessary patches are available from:
<http://tcnews.external.hp.com:8000/CV>

Required OS Patch for IBM AIX 4.2.1

The following patch is recommended when running CADD5 5 Revision 9.0 on IBM AIX 4.2.1.

| Patch | Description |
|---------|--|
| IX67792 | For memory usage in <code>libnsl</code> . Without this patch, there is a memory leak that effects the portmap process. |
| IX72986 | |

IBM AIX 4.3

There are no patches required to run CADD5 5 Revision 9.0 on IBM AIX 4.3.

Required OS Patches for Digital UNIX V4.0D

Please note: When installing Digital UNIX, you must load the module DFARTLC369 for V4.0.

You should install Open3D V4.4 to correct the following problems:

- CADD5 5 failing on start up with the error `Cannot associate OpenGL context with window.`
- When running the CDE window manager, the CADD5 text window slides off the screen if the CADD5 5 window is iconified and restored. To obtain this fix and achieve optimal CADD5 5 performance, run the Overlay Manager by
 - Adding the following line to the `.Xdefaults` file:

```
Dtsession*wmStartupCommand:  
/usr/dt/bin/dtwm_overlay -Overlay
```
 - Restarting your CDE session

The following Digital UNIX v4.0D patches are required for CADD5 5 Revision 9.0:

| Patch | Description |
|--|--|
| OSF405-400174 | Required for programming customers. When linking objects with the <code>ld-r</code> switch, you should use the <code>-no_local_conversion</code> switch to obtain the symbol preemption behavior required for CADD5 5. |
| ECO #22 for Open 3D Version 4.3 Note: This patch is for Open 3D Version 4.3 only. This problem is corrected in Open 3D Version 4.4. | Open3D v4.3 patch to prevent a CADD5 5 crash from the <code>RENDER VIEW SHADENOWIRE</code> command. |

Required Oracle Version

If you are loading Oracle to run AEC, EDMinfo and EDMcontrol applications, Oracle Version 7.3.4 is required.

Web Sites

Parametric Technology Corporation Web Site

The web site for Parametric Technology Corporation is at
<http://www.ptc.com>

Vendor Web Sites

Vendor web sites are noted below. Patches are available at some of these web sites:

| Vendor | Web Site |
|--|---|
| SGI (main web site) | http://www.sgi.com |
| Sun (main web site) | http://www.sun.com |
| Sun (web site for patches) | http://www.sunsolve.com |
| CVSI Web Site for Sun patches | http://softserv.cvsi.com |
| Digital (main web site) | http://www.digital.com |
| Digital (web site for patches) | http://www.service.digital |
| Digital (web site for CADD5 Tuning Guide for Digital UNIX) | http://www.alphastation.digital.com/application/config_guide/config_guide.html |
| Hewlett Packard (main web site) | http://www.hp.com |
| Hewlett Packard (web site for patches) | http://tcnews.external.hp.com:8000/CV |
| IBM (main web site) | http://www.ibm.com |
| IBM (web site for patches) | http://www.boulder.ibm.com |

