Optegra® 15.0 Release Notes

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Parametric Technology Corporation

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Preface

Optegra 15.0 Release Notes include product information that you should note before using Optegra applications.

Book Conventions

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

Convention	Example	Explanation
EPD_HOME	`cd` $EPD_HOME`/install` (UNIX) `cd` %EPD_HOME%`\install` (Windows)	Represents the default path where the current version of the product is installed.
Menu selections	Vault > Check Out > Lock	Indicates a command that you can choose from a menu.
Command buttons and options	Mandatory check box, Add button, Description text box	Names selectable items from dialog boxes: options, buttons, toggles, text boxes, and switches.

User input and code	`Wheel_Assy_details`
	
	`-xvf /dev/rst0`
	
	`Enter command>` **`plot_config`**
		Enter the text in a text box or on a command line.
		
		Where system output and user input are mixed, user input is in bold.

System output	`CT_struct.aename`	Indicates system responses.
Parameter and variable names	`tar -cvf /dev/rst0` filename	Supply an appropriate substitute for each parameter or variable; for example, replace filename with an actual file name.
Commands and keywords	The `ciaddobj` command creates an instance of a binder.	Shows command syntax.

Convention	Example	Explanation
Text string	`"SRFGROUPA"` or `'SRFGROUPA'`	Shows text strings. Enclose text strings with single or double quotation marks.
Integer	n	Supply an integer for *n*.
Real number	x	Supply a real number for *x*.
#	`# mkdir /cdrom`	Indicates the root (superuser) prompt on command lines.
%	`% rlogin` remote_system_name `-l root`	Indicates the C shell prompt on command lines.
$	`$ rlogin` remote_system_name `-l root`	Indicates the Bourne shell prompt on command lines.
>	`> copy` filename	Indicates the MS-DOS prompt on command lines.
Keystrokes	`Return` or `Control-g`	Indicates the keys to press on a keyboard.

Online User Documentation

Online documentation for each Optegra book is provided in HTML if the documentation CD-ROM is installed. You can view the online documentation from an HTML browser or from the HELP command.

You can also view the online documentation directly from the CD-ROM without installing it.

From an HTML Browser:

1. Navigate to the directory where the documents are installed. For example,

   $EPD_HOME`/data/html/htmldoc/` (UNIX)

   %EPD_HOME%`\data\html\htmldoc\` (Windows)
2. Click `mainmenu.html`. A list of available Optegra documentation appears.
3. Click the book title you want to view.

From the HELP Command:

To view the online documentation for your specific application, click HELP. (Consult the documentation specific to your application for more information.)

From the Documentation CD-ROM:

1. Mount the documentation CD-ROM.
2. Point your browser to:

CDROM_mount_point/htmldoc/mainmenu.html (UNIX)

CDROM_Drive:\htmldoc\mainmenu.html (Windows)

Printing Documentation

A PDF (Portable Document Format) file is included on the CD-ROM for each online book. See the first page of each online book for the document number referenced in the PDF file name. Check with your system administrator if you need more information.

You must have Acrobat Reader installed to view and print PDF files.

The default documentation directories are:

- $EPD_HOME/data/html/pdf/doc_number.pdf (UNIX)
- %EPD_HOME%\data\html\pdf\doc_number.pdf (Windows)

Resources and Services

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

Documentation Comments

PTC welcomes your suggestions and comments. You can send feedback electronically to doc-webhelp@ptc.com.

Chapter 1

Issues and Considerations

This chapter describes issues and considerations while using Optegra 15.0. These issues and considerations are grouped by product.

- General Product Information
- EPD.Connect
- Vault
- Future Support for Optegra PC Client

General Product Information

This section describes issues and considerations related to the build and product versions, browser settings, JDK and Oracle versions, portmapper, CADDS 5 on Solaris with EPD.Connect, and licenses on UNIX.

Build Version for EPD.Connect and Optegra Vault

To obtain the build version for EPD.Connect and Optegra Vault, follow the instructions for UNIX or Windows.

On UNIX, read the version file, $EPD_HOME`/data/Version`. The default path is `/opt/epd/dm/v15/data/Version`.

On Windows, perform the following steps:

1. Run the `regedit` utility.
2. Trace the build version number using the value of the `Install Build` key at the following location:

```
<My Computer>
      <HKEY_LOCAL_MACHINE>
            <SOFTWARE>
                  <Parametric Technology Corporation>
                        <product-of-interest>
                              <Version-Language>
```

For example,

```
<My Computer>
      <HKEY_LOCAL_MACHINE>
            <SOFTWARE>
                  <Parametric Technology Corporation>
                        <EPD.Connect>
                              <15.0-French>
```

Product Version

The default value of $EPD_HOME is `/opt/epd/dm/v15` on UNIX and `\EPD\DM\v15` on Windows. The product version directory is automatically updated during installation.

Browser Settings for Java and Help

Before using the HTML Help, enable Java and JavaScript in your browser preferences. With these settings, you can use the Main Menu, Contents, Index, Search, and Reset commands in the navigator panel of the Help.

JDK Upgrade

CADDS and Optegra Release 15.0 support JDK version 1.5.0_06.

Optegra Support for Oracle 10g

Optegra supports Oracle version 10g with the Oracle patch 10.2.0.3.

Portmapper for CADDS and Optegra

The installation of CADDS and Optegra on Windows uses a common portmapper called Proportmapper. If you have an earlier release of Optegra installed, you must check the portmapper service. If you have the Noblenet portmapper installed, you must stop Noblenet and uninstall it with the `portinst` utility. The installer then automatically installs and configures Proportmapper for the current release of Optegra on Windows. For CADDS, the installer automatically stops and removes the previous ONC portmapper.

CADDS 5 on Sun Solaris with EPD.Connect

You must have the following settings to improve the performance of CADDS 5 on Solaris with EPD.Connect.

Setting the ndd (1M) Parameter

To improve the performance of CADDS 5 on Solaris, PTC recommends setting the `ndd (1M)` parameter:

```
/usr/sbin/ndd -set /dev/tcp tcp_naglim_def 1
```

Please note: After you change the `ndd (1M)` setting, you need not restart the system.

To make the `tcp_naglim_def` parameter permanent, add the `ndd` parameter at the end of the `/etc/rc2.d/S69inet` file.

CADDS 5 uses the `/usr/tmp` symbolic link for all temporary files, which affects the speed of CADDS 5 on Sun Solaris. To improve the performance of CADDS 5, make the `/usr/tmp` link point to the `/tmp` directory for all temporary files as follows:

- Set the following environment variable in the `.caddsrc-local` or `.caddsrc` file:

```
setenv CV_DB_TMPDIR  '/tmp'
```

- Create the following link:

```
ln -s /tmp /usr/tmp
```

Gamma Correction for the TIS Window

If you have set the `CV_PLATFORM` environment variable to `ogl` mode in the `caddsrc-local` file, change the gamma correction value to control color fading on Solaris 8 by using the following command:

```
/usr/sbin/fbconfig -g <value>
```

If you use the default gamma correction value 2.2, the Text Input Screen (TIS) window appears faded compared to the other CADDS 5 windows. To view a TIS window with the same color as that of CADDS 5, set the gamma correction value to a value from 0.9 to 10.

LM_LICENSE_FILE on UNIX

When you set the `LM_LICENSE_FILE` environment variable on UNIX using

`setenv LM_LICENSE_FILE` file1:file2:file3:....:file*n*

the applications that use the license try to obtain the license key from file1. If the license key is not found in file1, the application tries to get the license key from file2, or file3, and so on. After the application obtains the license key, any spawned applications or license calls and requests made by the applications for checking out other license features are locked to the same license server.

EPD.Connect

This section describes some issues and considerations while using EPD.Connect.

Location of the optegra.ini File

On Windows, the `optegra.ini` file required by the Common Login is in the `Profile` directory of the current user, as indicated by the `%USERPROFILE%` environment variable, for example, `C:\Documents and Settings\<User>`.

Please note: The Common Login does not use the `optegra.ini` file created by the installer in the Windows system directory. This file only stores licensing information.

For details about the Common Login, refer to Chapter 5, “Common Login,” of *Installing Optegra Applications*.

Classes with Different Children Cause Problems

In EPD.Connect, as a good practice, do not create instances of a class with different children. These structures can lead to inconsistent product structures. They can also cause problems while using other applications, like CAMU, where they would be translated as is.

navsetup Script

The `navsetup` script is no longer shipped. A single cab binary for the supported releases of CADDS 5 is installed in $EPD_HOME`/install`.

Vault

This section describes some issues and considerations while using Vault.

Vault Programming

SVedm Programmatic Interface Dependency on Oracle Client for Windows

The `SVedm` programmatic interface is not dependent on the Oracle Client at runtime for Windows and `ORASQL10.dll`. Refer to the sample makefile, `svedmsample.mak`, for the changes that require the linking of the custom programs to the `edmstubs.a` library.

Edit User Attributes Dialog Box within the EDMGUI

You cannot access the Edit User Attributes dialog box using the Edit > User Attributes, View > Vault > Files, and View > Vault > Parts views menus in an out-of-box application. To enable the Edit User Attributes dialog box, edit the $EPD_HOME`/data/app-defaults/$LANG/Edmgui` file:

1. Delete the comment symbol (!) from the following lines:

```
!Edmgui.E240.textValue
!Edmgui.E240.source
```

2. Add `E240` at the end of the `Edmgui.Edit.contents` menu list.

Inconsistencies in the User Interface

After enabling the Edit User Attributes dialog box, the following inconsistencies occur in the User Attributes panels. These inconsistencies do not affect the database.

- Changing Attribute Values — If you edit an attribute value and open the Edit User Attributes dialog box again, the Attribute Value field shows the previous value rather than the changed one.
- Deleting Attributes — When you select an attribute and click Delete, the attribute value is deleted but the attribute name is still displayed in the list. The attribute name is deleted only when you click OK.
- Creating New Attributes Names — Newly created attribute names are not associated with an object.

Workaround for Inconsistencies

To work around these inconsistencies for attribute values, use the Vault command-line interface to edit the values.

- To add a new instance or change the value of a user attribute, use the `ciassociat` command:

```
ciassociat object-name=<file/part name>
object-type=<file/part>
input-attrs=<attribute filename that holds
the value of all attributes, the instance
number and the value>
```

  The format of the attribute file is as follows:

```
ATTRIBUTE_NAME(instance number)=
attribute_value
```

- To change the value of an attribute, use the `cichguattr` command:

```
cichguattr object-name=<file/part name>
object-type=<file/part>
input-attrs=<attribute filename that holds
the value of all attributes, the instance
number and the value>
```

GTM Support

For all GTM commands, ARGV8 = EDM14.0.0.

The General Trigger Manager (GTM) server process supports the CHGFREV command in addition to 22 other commands. See Chapter 5, “Configuring General Trigger Manager,” of the *Vault Programmer Guide*. The arguments for the CHGFREV command follow:

CHGFREV

```
ARGV1=ct_oracleid, ct_oraclepw, ct_command, ct_wait, ct_location,
ct_severity, ct_release, ct_userid, selscope, selname, revision,
currclass, currprojid, currstatus_cd, newrevision, filepw
ARGV2 = pdmdm
ARGV3 = pdmdm
ARGV4 = CHGFREV
ARGV5 = 1
ARGV6 = 0
ARGV7 = I
ARGV8 = EDM14.0.0
ARGV9 = EDMADMIN
ARGV10 = F SELSCOPE of object (F-File, P-Part, L-List, C-Catalog,
D-Directory)
ARGV11 = FILESP5 SELNAME of object - unique id for database
```

```
ARGV12 = A2 REVISION level of object
ARGV13 = A1 NEW REVISION OF OBJECT
ARGV14 = ARGV30 = NO_VALUE NOT USED
```

The General Trigger Manager commands that were previously documented in the *Vault Manager Guide* are now part of the section, "Commands Supported by GTM" of Chapter 5, "Configuring General Trigger Manager," of the *Vault Programmer Guide*.

Future Support for Optegra PC Client

For technical reasons, PTC will not be able to support the existing Locator/PC and Admin/PC in the next release of Optegra, that is, after Optegra 15.0. This can affect the support for Optegra Vault Interface for AutoCAD that uses the same technology used by Locator/PC and Admin/PC. It is undecided at this time how this functionality will be provided in a future release of Optegra.

Therefore, the Optegra 15.0 PC Client has been modified to include the command line interface to facilitate the use of other methods that support customizations and communication with the Vault server. In addition, many Locator/PC and Admin/PC functions are available with EPD.Connect.