



Cadra 2008 Unix Release Notes

SofTech is pleased to provide you with this Cadra Release. This release adds support for the Red Hat Linux platform and upgrades the support for AutoCAD. This is primarily a maintenance release so the emphasis is on addressing high priority corrections. The release also includes a number of minor enhancements. This document will briefly review the new features and changes to Cadra. A summary of the installation process is also included toward the end of the document. The enhancements include:

1. Added support for the Red Hat Enterprise Linux WS Version 4 operating system.
2. Added support for reading AutoCAD 2007 and 2008 DXF files.
3. Added the ability to read some corrupted Cadra files.

Support of Red Hat Enterprise Linux 4

Cadra 2008 now supports the Red Hat Enterprise Linux WS Version 4 operating system. This requires a 32-bit x86 hardware platform. For more detailed information about how to get this version please contact your local SofTech representative or Cadra/SofTech Customer Service at 1-800-321-2372.

Support of AutoCAD 2007 and 2008 DXF files

The AutoCAD translator has been enhanced to support the read and write of AutoCAD2007 and 2008 format DXF files.

Ability to read some corrupted Cadra files

It is now possible to read in some corrupted Cadra files. Whereas previously Cadra would have refused to read these files at all, now it will read them and you may see one of the following messages.

Both of these messages mean that Cadra has encountered a corrupt partition (representing either a view or a figure). The <number> in the message is the partition number. View partition numbers range from 0 to 200 and figure partition numbers range from 201 and up.

Partition <number> truncated, read incomplete

This message means Cadra was able to read in a portion of the partition. Therefore a portion of the partition as originally defined in the file has been lost.

Partition <number> lost, read incomplete.

This message means Cadra was unable to read any of the partition. Therefore the entire partition as originally defined in the file has been lost.

Installing the Cadra 2008 Release

Recommended Minimum System Configuration

HP/900 Series Systems:

- HP-UX 11i V1 (11.11)
- 32 MB RAM
- 70 MB free disk space (28 MB is for Cadra documentation)

Sun Systems:

- Solaris 5.8, 5.9 or 5.10
- 32 MB RAM
- 80 MB free disk space (28 MB is for Cadra documentation)

Linux Systems:

- Linux 4 (Kernel 2.6.9-67.ELsmp)
- 128 MB RAM
- 80 MB free disk space (28 MB is for Cadra documentation)

Before You Begin Installation

- Have your Product Authorization License (PAL) available during the installation procedure.
- For detailed information on installation options including license installation, print a copy of the **Installation Guide** in HTML format on the top level of the CD.

Installation Media

Multiple platform and languages versions of Cadra are available on the CD-ROM.

Cadra Installation

1. Log on as root. Do not change user to superuser. You must be logged on as root!
2. Create a hard disk directory to hold the Cadra files. For example:

```
% mkdir /usr/cadra
```

3. Insert the CD into the CD-ROM drive and create the "mount point" (as described in *Mounting the CD-ROM* in the **Installation Guide**).

4. Go to the directory where the Cadra installation will go (created above):

```
% cd /usr/cadra
```

5. Copy the kit files off the CDROM into the installation directory:

```
% tar -xvf /cdrom/unix/<tarfile>
```

where /cdrom/unix is the CDROM directory and <tarfile> is either solaris2008.tar, hpux2008.tar or linux2008.tar.

Note: Some machines may have a /CDROM directory. Check with your System Administrator to determine the name of your CD-ROM directory.

6. Run the installation script by typing `./install` followed by the name of the directory you created in Step 2. For example:

```
./install /usr/cadra
```

7. Once you complete the full installation, activate the software by executing the following commands:

```
%rehash
```

```
%cadra
```

Globetrotter License Installation (HP-UX and Solaris only)

If you choose Globetrotter licensing then you need to do the following:

- For dedicated licenses perform steps 3-7.
 - For clients of floating licenses just do step 8.
 - For floating license servers perform all steps except 8.
1. Determine if you will be using dedicated licenses or floating licenses. If you will use floating licenses you will additionally need to decide if you will be using a single license server or three redundant license servers.
 2. If you are using floating licenses install the Softech FLEXlm License Server on the selected server system(s). The Softech FLEXlm License Server is provided in a separate tar file (`hpflexlm.tar` for HP-UX and `sunflexlm.tar` for Sun Solaris). Untar this file into a directory (i.e. `flexlm`) beneath the Cadra install directory. This package includes the FLEXlm User Guide that documents all the utilities included in the package.
 3. Send the name and hostid (output from `lmhostid`) of each system requiring a license to Softech. These are the systems where the dedicated licenses are to be used or the systems to be used to serve floating licenses.
 4. Softech will issue license files (`*.lic`) to you via E-Mail.
 5. Save the `.lic` file(s) you receive to a directory on the licensed systems. If you are using floating licenses this should be the directory that was specified when the license server software was installed as a service.
 6. Set the `ADRA_NLS` symbol to point to the full file specification of your `nls.txt` file.
 7. Create the `nls.txt` file. If you are using dedicated licenses this is the last step. Place the following line in the `nls.txt` file:

```
.globetrotter <path>
```

where `<path>` is the absolute path to the directory where the `*.lic` file(s) are. Do not include a file name in this path.
 8. If you are using floating licenses you need to create a `*.lic` file on each client system that points to the server system(s) for a license. This file should contain the following two lines:

```
SERVER <server-name> <server-hostid>  
USE_SERVER
```

Where `<server-name>` is the network name of the license server and `<server-hostid>` is the server hostid. If using three redundant license servers this file should contain three `SERVER` lines specifying the three license servers.
 9. If you are using floating licenses, start the FLEXlm License Manager service on the server systems. To start the FLEXlm server issue the following command

```
% lmgrd -c <path>
```

where `<path>` points to the directory where you put the `.lic` license file(s).
 10. A shell script is provided to help setup your system to automatically start the `lmgrd` daemon upon a system reboot. It is called `cadralmgrd`. It assumes you have installed

lmgrd in /usr/cadra/bin/flexlm and that you will also place the .lic files there. If this is not true you will need to edit this file. The file should be placed in the init.d directory and a link should be set from the rc2.d directory. In the following <root-dir> is /sbin on HP-UX and /etc on Sun Solaris and <number> is 900 on HP-UX and 99 on Sun Solaris. After cd'ing to the directory where you have initially placed (and possibly edited) the cadralmgrd file issue the following commands:

```
% cp cadralmgrd <root-dir>/init.d/cadralmgrd
% cd <root-dir>/rc2.d
% ln -s <root-dir>/init.d/cadralmgrd S<number>cadralmgrd
```

11. If you are using floating licenses, you can read the FLEXlm End User's Guide for more information on FLEXlm Utilities and options. If you are interested in additional FLEXlm monitoring utilities you will need to contact Globetrotter directly (www.globes.com).

If you have any questions or concerns regarding updates to Cadra licensing please contact your local SofTech representative or Cadra/SofTech Customer Service at 1-800-321-2372.

Corrective Maintenance

Every release of Cadra addresses corrective maintenance issues our customers and partners report as problems or issues throughout the world. The table below lists the most significant problems and issues addressed for this release:

SOFTECH SPR NUMBER	DESCRIPTION
52090	Fix dimensioning between line and a point.
53099	Fixed errors have exceeded message within DWG/DXF log
54005	Screen menu disappears after changing the window size
55843	After first plot A0 defaults back to A size
55972	Save this file as a different name results in an error. Read of this corrupt file was improved.
56353	Read in the dxf file, there geometry filled that should not be
56912	Overlay filename of title bar shows previous opened file name
57008	Can not us existing text as post text on a dimension
57019	Unable to change a spline within a figure
57089	Incorrect behavior with group, dim, view win
57129	Move cut and Paste of large areas with figures returns error
57130	Read backup file get database corruption. Read of this corrupt file was improved.
57157	Overlay mode, show overlay button disappear after plotting
57179	Unable to read DWG/DXF file correctly
57185	Error when trying to plot drawing
57187	Constructing a figure in this file results in Cadra hanging
57243	Write DWG/DXF get error
57249	Get Software error when reading in file, only when loading external figure directory
SPR1015	File extension not correct after figure transfer
SPR1016	When a figure is inserted over 32766, the instance count is set to zero
SPR1018	Cadra crashes when mouse crosses over entity with insight active after DXF read translation
SPR1021	Can not open file: database corruption. File cannot be opened. Error message improved.
SPR1026	A backup file is corrupt. Read of this corrupt file was improved.
SPR1027	Scroll bar disappears after figure insert
SPR1030	Read in iges file and circles and lines becomes ellipses
SPR1034	Part of the DXF file not reading into Cadra
SPR1035	draw error deleting xhatch pattern and then undo
SPR1043	Pasted figure is changed to a different figure which has the same name
SPR1049	Move, cancel, choice multiple times not correct behavior
SPR1082	Writing a .pra with cutout creates a very large .pra file
SPR1105	Reading some AutoCAD dwg files would crash Cadra.
SPR1115, SPR1119, SPR1120	Some files written out from Cadra containing crosshatches inside of sets caused data corruption when reread back into 2006Plus SP2
SPR1125	Could get a bad error message, IDS_WARN_INV_LIC_KEY, during installation.

SPR1156	Plot of a specified file caused a software failure.
SPR1157, SPR1159, SPR1160, SPR1161	Get invalid entity type errors when working with figures, creating and copying.
SPR1162	Move/copy function causes invalid entity type error.
SPR1165	Software failure on file/new after load of an external figure.
SPR1175	Cannot use mouse button for fit window function.

Platform Support

This release has been qualified for the platforms listed in the table below. The CD distributed with this update release contains software for all the supported platforms.

Workstation	Operating System	Revision Level
Sun Sparcstation	Sun Solaris	5.8, 5.9, 5.10
Hewlett Packard	HP-UX	11i v1 (11.11)
32-bit x86 (Intel/AMD) systems – see https://hardware.redhat.com/	Redhat Enterprise Linux WS	4 (Kernel 2.6.9-67.ELsmp)

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