



CADfix Installation Guide for Linux

CADfix 14

ITI – International TechneGroup Limited

Web: www.iti-global.com
Email: eusupport@iti-global.com

www.iti-global.com/support/cadfix

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1 Understanding your CADfix purchase

Your CADfix license will be one of the following types:

- Evaluation
- Single node-locked
- Network (floating), or multiple node-locked

Other installation configurations are available, and CADfix support can provide more advice if needed.

Within this document, each of these license types is colour-coded (as above) to help with the identification of the relevant information.

Evaluation

This installation uses a time-limited local license file. It does not require licensing services, so only CADfix needs to be installed. Evaluation licenses do not normally allow remote access, but this license can be installed on multiple computers.

Single node-locked

A node-locked installation is locked to a specific computer, which is identified by its host ID (MAC address). The CADfix application and the license services are usually installed on the same computer.

Where a purchase includes multiple node-locked seats, the installation can follow the 'Network (floating), or multiple node-locked' procedure. This allows all the CADfix installations to share a single license server.

Network (floating), or multiple node-locked

A floating CADfix license will run only on a specifically defined range of computers. The allowable range should be discussed with the CADfix sales team before the purchase, and will be categorised as LAN, WAN, RWAN, or WWAN depending on the locations of required users. Each allowable computer within this range will be identified using one of the following options (or a combination):

IP address range:	126.10.10.*
IP address list:	126.10.10.5 126.10.10.6 126.10.10.7
MAC address list:	48ad3f56ffcb a93b2f2dd9ab e8ff3ba826c0

2 Quick installation guide

2.1 Evaluation

Preparation

- a)  **Request an 'Evaluation' license file.**
Usually supplied via your CADfix sales representative by email.
Or:
Americas customers - email works_supp@iti-global.com
Non-American customers - email eukeys@iti-global.com
- b)  **Download CADfix**
The latest download link is supplied in the license file email that was sent to you - Download the 'Installer' package for Linux.

Installing CADfix and the license

- c)  **Decompress and Install CADfix**
– See section [Installing CADfix](#)
- d)  **Source CADfix installation**
“source cadfix_setups” – See section [Sourcing CADfix](#)
- e)  **Copy your license file into “CADfixDX/lic”**
When received from ITI, copy the license file into the CADfix lic folder.
(e.g. “../CADfixDX/lic/” – See section [Managing the license and services](#))
- f)  **Run CADfix**
Run the command “cadfix” at the command line.

2.2 Node-locked (single) installation

For this type of installation, the client workstation and license server are usually the same computer. If the license is to be installed on another computer, or multiple node-locked installations are to share a license server, follow the instructions for a Network installation (below).

Preparation

a) **Request a 'Node-locked' license file.**

Americas customers - email works_supp@iti-global.com

Non-American customers - email eukeys@iti-global.com

Or via your CADfix sales representative.

To create the license file, the ITI support team will need to know:

- CADfix license server's network name.
- CADfix license server Host ID.

– See [Managing the license and services](#)

b) **Download CADfix**

The latest download link is supplied in the license file email that was sent to you - Download the 'Installer' package for Linux.

Installing CADfix and the license

c) **Decompress and Install CADfix**

– See section [Installing CADfix](#)

d) **Source CADfix installation**

"source cadfix_setups" – See section [Sourcing CADfix](#)

e) **Copy your license file into "CADfixDX/lic"**

When received from ITI, copy the license file into the CADfix lic folder.

e.g. ".../CADfixDX/lic" – See section [Managing the license and services](#)

f) **Install the licensing service**

See – [Starting the licences server](#)

g) **Run CADfix**

Run the command "cadfix" at the command line.

2.3 Network installation – for floating or multi-node locked

This installation allows the CADfix workstation(s) to fetch licenses from a shared license server.

Preparation

- a)  **Request a ‘Floating’ license file.**
Americas customers - email works_supp@iti-global.com
Non-American customers - email eukeys@iti-global.com
Or via your CADfix sales representative.

To create the license file, the ITI support team will need to know:

- CADfix license server’s network name.
- CADfix license server Host ID.
- CADfix workstation IP address list/range, or Host ID list.
(If for a multiple node-locked installation, then this must be the Host ID list.)

– See [Managing the license and services](#)

- b)  **Download CADfix**
The latest download link is supplied in the license file email that was sent to you - Download the ‘Installer’ package for Linux.

Install the CADfix license server

- c)  **Decompress and install ‘CADfix license service only’ onto the license server.**
– See section [Installing CADfix](#)
- d)  **Copy your license file into “CADfixDX/lic”**
When received from ITI, copy the license file into the CADfix lic folder (e.g. “../CADfixDX/lic/”)
- e)  **Install the licensing service**
See – [Starting the licences server](#)

Install CADfix on client workstation(s)

- f)  **Decompress and Install CADfix**
– See section [Installing CADfix](#)
- g)  **Source CADfix installation**
“source cadfix_setups” – See section [Sourcing CADfix](#)
- h)  **Link CADfix to the license server** – [Linking CADfix to the license](#)
- i)  **Run CADfix**
Run the command “cadfix” at the command line.

3 Installing CADfix

3.1 Pre-requisite Linux packages to be installed:

CADfix 14 is officially supported for running on a RHEL8 Linux installation.

The following are packages that must also be installed for CADfix to run correctly:

- libGL
- libGLU
- libXi
- libICE
- libSM
- libXt
- xorg-x11-fonts*

For example, run:

```
sudo dnf install libGL libGLU libXi libICE libSM libICE libXt xorg-x11-fonts\*
```

CADfix can be installed and run on non-RHEL8 versions of Linux that are equivalent to or of a newer version. However, you may need to install additional RHEL8-compatible packages, depending on the specific non-RHEL8 version you are using.

3.2 Running the CADfix installer

- The **C-shell or bash shell environment** should be used to install CADfix.
- **You should NOT install the program as ROOT.**
- The example images shown below are generic. Installing a specific CADfix product will use the same installation screens but will have different version numbers and installation locations.
- The following examples show images where the installing user is 'abc'. The actual paths used for your installation may vary.

1) Download and decompress installation files:

```
tar -xvf CADfix_DX_14_linux64.tar
```

The 'ls' command will show the uncompressed files:

```
ls -l
total 4080352
-rw-r--r-- 1 abc abc 2087956480 Sep 17 15:00 CADfix_DX_14_linux64.tar
-rw-r--r-- 1 abc abc 2087920552 Sep 17 09:18 CADfix_DX_14_linux64.tgz
-rw-r--r-- 1 abc abc 543 Sep 16 09:14 README.txt
-rwxr-xr-x 1 abc abc 25370 Sep 16 09:14 install.sh*
```

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2) Start the installation process by running the install.sh script file.

```
./install.sh
```

3) Specify the CADfix installation path:

```
CADfix DX - Install Where
```

```
CADfix will be installed into a new sub-directory called CADfixDX.
```

```
Which directory do you want to create this in?
```

```
(Press RETURN to abort installation.)
```

```
.
```

- Enter '.' To choose the current location.
- Or enter a new installation path as a relative or absolute path (e.g. "/opt/").
- Press the 'Enter' key to abort the installation process.

4) Choose the language that CADfix will use by default:

The installation process will continue in English only, and the installed CADfix installation will launch using your chosen language.

```
CADfix DX - Which Language
```

```
Please select a language for the CADfix user interface and on-line documentation.
```

1. English
2. Japanese
3. German

```
x. Abort installation
```

```
Which language do you want to use (1 - 3)[1] ?
```

```
1
```

- Press "1" (or just press the 'Enter' key) to install CADfix using English.
- Press "2" to install CADfix using Japanese.
- Press "3" to install CADfix using German.
- Press "x" to abort the installation process.

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5) The options selected for the installation are then displayed:

```
CADfix DX - Installing Products

Tar file:   CADfix_DX_1400_linux64.tgz
Location:  /home/abc/CADfixDX
Product:   DX
Language:  English

Continue with installation (y/n)? y
```

- Press the 'Enter' key to begin installing the CADfix files.
- Pressing 'n' will abort the installation process.

6) When the installation is complete, the following message will be displayed:

```
Extracting CADfix files...
/bin/tar: Read checkpoint 50000
/bin/tar: Read checkpoint 100000
...
...
Installation completed.

Press RETURN to continue:
```

- Press the 'Enter' key to clear this message.

7) The installation process will then remind you to run 'cadfix_setups' before running CADfix. If you are using a Bourne or bash shell, then use the 'cadfix_setups.sh' instead.:

```
CADfix DX - Installation Complete

Before starting CADfix you must source the cadfix_setups file, e.g.

source /scratch/abc/cadfix_setups
or for Bourne/bash shell users
source /scratch/abc/cadfix_setups.sh

You should also add the above line to the system login or each user login.

Before starting CADfix please ensure that the Licence Manager has
been setup according to the CADfix Installation Guide.
```

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3.3 Sourcing CADfix setups

The 'cadfix_setups' file (or 'cadfix_setups.sh' for Bourne/bash shell users) is a script that is generated by the installation process and is tailored to the installation values you have used. This script will need to be run by the users each time they log in to that computer, and before CADfix is run. This then configures the CADfix environment variables needed to run.

To aid the user, it is recommended that the command "source /home/xxx/cadfix_setups" (or cadfix_setups.sh for Bourne/bash shell users) is added to the system login, or each user's login scripts.

For C-shell users, use the following command:

```
source cadfix_setups
```

For Bourne/bash shell users, use the following command:

```
source cadfix_setups.sh
```

If your organisation already has a CADfix license, you can link to this using the process in [Linking CADfix to the license](#).

3.4 Starting CADfix

Once the relevant 'cadfix_setups' file has been sourced, CADfix can be started by running the following command:

```
cadfix
```

4 Managing the license and services

CADfix utilises FlexNet license services for its license management. If it is needed, and where it is installed will depend on the configuration of your CADfix purchase. For all license types, CADfix will need a license file generated. – Contact CADfix support to request a license and for any advice.

Evaluation license

The license server is not needed for an evaluation license, and CADfix support can send out an evaluation license without any further information.

To run an evaluation license:

1. Ensure the supplied license file is named 'cadfix.dat'.
2. Copy cadfix.dat to the CADfix "CADfixDX/lic" folder.

Node-locked (single-seat) license

When a license manager is required on the same computer as the CADfix application, the license manager can be run from within the CADfix installation. Alternatively, the license manager can be installed in a non-version-specific location to avoid reconfiguration during subsequent upgrades of CADfix (see 'Floating and Multi-seat node-locked licenses' below).

CADfix support will need to know the workstation's host ID. To identify this code, run the lmutil command from the CADfix lic folder:

```
cd CADfixDX/lic/lmutil lmhostid
```

```
lmutil - Copyright (c) 1989-2019 Flexera. All Rights Reserved.  
The FlexNet host ID of this machine is ""1866da5518c7 1866da5518c8""  
Only use ONE from the list of hostids.
```

Floating and Multi-seat node-locked licenses

To install the license manager software as a server, there are two options available:

- Install a "CADfix Licence Manager only" on the server.
- Or, if CADfix will be used on the license server, install a full "CADfix Data Exchange".

See [Installation - Which Product](#).

It is good to install the CADfix license in a non-version-specific location to avoid reconfiguration during subsequent upgrades of CADfix.

For this type of installation, CADfix support will need to identify a list of allowable computers for CADfix use. This is a list in one (or a combination) of the following formats:

- The IP address range.
- A list of host IDs for the specific computers.

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4.1 Starting the licences server

Before continuing, ensure you have a valid CADfix license file (cadfix.dat)

- 1) Ensure that the cadfix_setups script has been sourced during this session, or that it was called within your login script:

```
source cadfix_setups
```

- 2) Navigate to the CADfix licensing folder:

```
cd CADfixDX/lic
```

- 3) Check to ensure your licence file (cadfix.dat) has been copied into this folder:

```
ls -l
drwxr-xr-x 2 abc 90 4096 Jun 29 2022 3rd_party/
-rw-rw-r-- 1 abc abc 26480 Jun 29 2022 cadfix.dat
-rw-r--r-- 1 abc 90 3016471 Jul 26 2022 fnp_LicAdmin.pdf
-rwxr-xr-x 1 abc 90 1360024 Jul 26 2022 itiohio*
-rwxr-xr-x 1 abc 90 1170840 Jul 26 2022 lmgrd*
-rwxr-xr-x 1 abc 90 1138392 Jul 26 2022 lmutil*
```

- 4) Run lmgrd to install a licensing daemon:

```
lmgrd -c cadfix.dat -l cadfix.log
```

This command will:

- Create the license daemons 'lmgrd' and 'itiohio'.
 - The daemons will reference the license file provided in this command. If the license file is in another location, then the license file should be qualified with a path.
 - The lmgrd daemon will use a default port number or use the (optionally) defined in the license file.
 - The itiohio daemon will use a random port number each time it starts or use the port number (optionally) defined in the license file.
 - A log file will be generated using the name provided. A different name can be used if required. This log file will contain information about all the transitions carried out by the license daemons and is essential for support.
- 5) To interact further with the license daemon (validating/stopping/etc), you must identify the computer name and port number used for the lmgrd daemon. This information can be found in the log file generated when the license daemon was started. - See section [Recording License server information](#) for gathering this information from your cadfix.log file.

4.2 Recording License server information

During the configuration of the CADfix License ([Starting the license server](#)), the license log file was specified (e.g. "cadfix.log"). This log file contains the license server's configuration and license activities. Open the log file with a text editor, then find and record the following information:

FLEXnet version number:

Server network name or IP address:

License file name and path:

Lmgrd (license manager daemon) port number:

Itiohio (vendor daemon) port number:

Itiohio (vendor daemon) version number:

Method of linking to license server: ☐ Local license ☐ Short license ☐ Environment variable

The following is an extract from a cadfix.log file with this key information highlighted:

```
...
11:22:36 (lmgrd) Server's s FlexNet version number 25 2026 11:22:36 GMT Standard Time
11:22:36 (lmgrd) pid 14768
11:22:36 (lmgrd) Changing message security level from -1 to 0
11:22:36 (lmgrd) SLOG: Summary LOG statistics is enabled.
11:22:36 (lmgrd) Done rereading
11:22:36 (lmgrd) FlexNet Licensing v11.19.6.0 build 293152 x64_n6 started on licserv1 (linux) (2/25/2026)
11:22:36 (lmgrd) Copyright (c) 1988-2024 Flexera. All Rights Reserved.
11:22:36 (lmgrd) World Wide Web: http://www.flexerasoftware.com
11:22:36 (lmgrd) License file(s): cadfix.dat
11:22:36 (lmgrd) lmgrd tcp-port 32728
11:22:36 (lmgrd) (@lmgrd-SLOG@) ===== Lmgrd (server) port number =====
...
...
11:22:36 (lmgrd) (@lmgrd-SLOG@) =====
11:22:36 (lmgrd) SLOG: FNPLS-INTERNAL-VL1-40000
11:22:36 (lmgrd) Starting vendor daemons ...
11:22:36 (lmgrd) Starting vendor daemon at port 32729
11:22:36 (lmgrd) Using vendor daemon port 32729 specified in license file
11:22:37 (lmgrd) Started itiohio (pid 14836)
11:22:37 (itiohio) FlexNet Licensing version v11.19.6.0 build 293152 x64_n6...
...
```

The diagram shows a log file extract with several key pieces of information highlighted in yellow boxes. Red lines connect these boxes to labels in grey boxes with red borders. The labels and their corresponding log entries are:

- FlexNet version number**: points to "v11.19.6.0" in the log entry "FlexNet Licensing v11.19.6.0 build 293152 x64_n6 started on licserv1 (linux) (2/25/2026)".
- Server network name or IP address**: points to "licserv1" in the same log entry.
- License file name and path**: points to "cadfix.dat" in the log entry "License file(s): cadfix.dat".
- Lmgrd (server) port number**: points to "32728" in the log entry "lmgrd tcp-port 32728".
- Vendor (itiohio) port number**: points to "32729" in the log entry "Starting vendor daemon at port 32729".
- Itiohio version number**: points to "v11.19.6.0" in the log entry "FlexNet Licensing version v11.19.6.0 build 293152 x64_n6...".

4.3 Checking the license server status

Check the license daemon is running:

```
lmutil lmstat -c 32768@licserv1

lmutil - Copyright (c) 1989-2019 Flexera. All Rights Reserved.
Flexible License Manager status on Mon 1/9/2023 10:47

License server status: 32768@licserv1
    License file(s) on licserv1: /home/abc/CADfixDX/lic/cadfix.dat:

        licserv1: license server UP (MASTER) v11.16.4

Vendor daemon status (on licserv1):

    itiohio: UP v11.16.4
```

4.4 Stopping the license server

The license daemon can be stopped with the following command:

```
lmutil lmdown -c 32768@licserv1

lmutil - Copyright (c) 1989-2019 Flexera. All Rights Reserved.

Port@Host          Vendors
1) 32768@licserv1  itiohio
```

You will be asked to confirm you want this license stopping:

```
Are you sure (y/n)? y
    1 FlexNet License Server shut down
```

5 Linking CADfix to the license

To allow CADfix to start, it needs to link to a valid license, and there are three options for this:

When you have configured your installation, record which method you used on the form in [Recording License server information](#).

Evaluation license

5.1 Local license file

Check that the license file has been copied into the client's local "[CADfix installation]/lic" folder

Node-locked (single-seat) license

Floating and Multi-seat node-locked licenses

5.2 Environmental variable

An environmental variable can be set up for each user. This tells CADfix how to contact the server:

```
setenv CADFIX_KEY [lmgrd port]@[server name]
```

e.g.

```
setenv CADFIX_KEY 32768@licserv1
```

The actual values used in this variable can be found in the license server log file.

The environment variable command will need to be added to the cadfix_setups.

5.3 Local license file

Check that the license file has been copied into the client's local "[CADfix installation]/lic" folder

5.4 License connection errors

If an error occurs when CADfix is trying to communicate with the license server, then an error message will be displayed. Record the details given in this message, or take a screenshot, so you can share these details with CADfix support.

Following an installation, the biggest cause of license errors is that a firewall has blocked communications on ports that are being used by the license server. These ports are shown in the license log file (see 'lmgrd port number' and 'itiohio port number' in [Recording License server information](#)).

1. The CADfix license server needs firewall exceptions to allow inbound communications on the 'lmgrd' and 'itiohio' ports.
2. CADfix client machine (running CADfix) should not need any exceptions to its firewall.

For further support on licensing problems, please contact CADfix support.

6 Updating CADfix

6.1 Updating your CADfix installation

As part of the Maintenance, Enhancements, and Support (ME&S) package, you will be offered an upgrade for your CADfix.

For most CADfix releases, the license manager will remain unchanged and will therefore not need upgrading. If the license manager does need upgrading, then this will be highlighted in the “What’s new...” release document.

Service packs are supplied with their own installation instructions.

Evaluation license

If you are using an evaluation license of CADfix, then you will just need to uninstall your current CADfix installation and then install the newer version. – See [Installing CADfix](#)

Node-locked (single-seat) license

If you are using a node-locked license where the license server is part of the CADfix installation you are using, then:

Recommended

- 1) Stop the license service – See [Stopping the license server](#)
- 2) (Optionally) uninstall your existing CADfix installation (this will also uninstall the license server files)
- 3) Install the new version of CADfix – See [Installing CADfix](#)
- 4) Configure the license services using this new installation – See [Starting the licences server](#)

Alternatively, follow the procedure for ‘Floating and Multi-seat node-locked licenses’ to reconfigure CADfix to get its license from the license server in the older installation. If the FlexNet licensing service has been updated in the new release, then this license server will also need updating - Contact CADfix support for more information.

Floating and Multi-seat node-locked licenses

- 1) (Optionally) delete your existing CADfix installation.
- 2) Install the new CADfix installation – See [Installing CADfix](#)
- 3) Link CADfix to license server if needed. If the variable ‘CADFIX_KEY’ has been used here, then this step is not needed – See [Linking CADfix to the license](#)
- 4) If the license manager needs updating, then see [Upgrading license service files](#)

6.2 Updating your license file

Periodically, the license file you have been provided with will expire. If this happens and you have not yet received an updated file, then contact your CADfix supplier.

6.2.1 Evaluation license

If you are using an evaluation licence, then:

- a) Make sure CADfix is not running.
- b) Copy the new license file into CADfixDX\lic. - Any existing license file can be overwritten.
- c) Restarting CADfix, and it will automatically read this new license file.
- d) Once started, go to the pull-down menu 'Help' → 'About CADfix'. This dialogue will show the modules that are licensed, and the license expiration date.

6.2.2 Node-locked (single seat) license

If you are using a node-locked license and running through a license file that is part of your CADfix installation, then:

- a) Make sure CADfix is not running.
- b) Stop the license service – See [Stopping the license server](#)
- c) Copy the new license file into CADfixDX/lic. - Any existing license file can be overwritten.
- d) Start the license service – See [Starting the licences server](#)
- e) Restarting CADfix, and it will automatically connect to this new license file.
- f) Once started, go to the pull-down menu 'Help' → 'About CADfix'. This dialogue will show the modules that are licensed, and the license expiration date.

6.2.3 Floating and Multi-seat node-locked licenses

If you are using a floating license as part of your CADfix installation, then:

- a) Make sure CADfix is not running.
- b) Stop the license service – See [Stopping the license server](#)
- c) Copy the new license file into CADfixDX/lic. - Any existing license file can be overwritten.
- d) Start the license service – See [Starting the licenses server](#)
- e) If you have linked your CADfix installation to the license service using a full license file, then copy the new license file into the CADfixDX/lic folder on the local CADfix client machine. (Any computers using the CADFIX_KEY environment variable will automatically connect to the new license.)
- g) Restarting CADfix, and it will automatically read this new license file.
- h) Once started, go to the pull-down menu 'Help' → 'About CADfix'. This dialogue will show the modules that are licensed, and the license expiration date.

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6.3 Upgrading license service files

- 1) Stop the license service – See [Stopping the license server](#)
- 2) Copy new FlexNet license service files into the lic folder to replace the existing ones.
The list of files includes: lmutil.exe, lmgrd.exe, and itiohio.exe
- 3) Check you have the latest license file in the “CADfixDX/lic” folder. This should have an expiration date after today and be valid to operate with this version of CADfix. – Speak to CADfix support to verify this.
- 4) Start the license service – See [Starting the license server](#)

7 Configuring CADfix

7.1 Changing the display language

The CADfix interface language is set during the installation by creating an environment variable.

e.g.

```
CADFIX_LANGUAGE=English
```

To change the display language, set the CADFIX_LANGUAGE variable to “English” or “German”.

- If the CADFIX_LANGUAGE environment variable is deleted or is not set to a valid value, then CADfix will default to using English.
- If CADFIX_LANGUAGE is also set up as a User Environment Variable, this value will override the System Environment Variable.

Allowable values:

```
CADFIX_LANGUAGE=English
```

```
CADFIX_LANGUAGE=German
```

```
CADFIX_LANGUAGE=Japanese
```

7.2 Custom Configuration Files

7.2.1 User Configuration Files

Each CADfix user has their own configuration file that is saved when CADfix is closed. Alongside this file is a set of configuration directories used to store other configuration files saved during the session.

This file is saved in the user's home directory and stores the CADfix settings used during the last session (note the leading ".").

```
%HOME%/.CADfix1400
%HOME%/ .CADfix.config/
```

e.g. ".CADfix1400"

- When CADfix is restarted, this local configuration file is read and used to configure the new session.
- If a local '.CADfix1400' file does not exist, CADfix will start with its default settings.
- If this local '.CADfix1400' file is deleted, CADfix will start with its default settings and any customisation or environment changes will be lost.

7.2.2 Site Configuration Files

It may be advantageous for an organisation to have all its CADfix users share a common configuration. This configuration will contain only settings common to all users and allows the users to set the other values to suit their needs.

A site configuration file is referenced by setting the user's environment variable "CADFIXSITECONFIG". This will either reference a shared configuration directory or a specific configuration file.

- If a local configuration file does not exist, the site configuration file will be used as a template for the new local file.
- If a local configuration file already exists, its values will override the site configuration unless the local file is deleted, or the specific site value is enforced (see below).

The CADFIXSITECONFIG environmental variable can be set in different locations depending on how the organisation would like to control its use:

1. System environment variables
 - Gives a consistent value for all users.
2. User environment variables
 - Gives a consistent value for each user and allows users to have different values.
3. Set the user environment variable via a script run by the user
 - This allows users to set the environment variable as required. The value is retained until reset by running another script.
4. Set in the CADfix startup script (startCADfix.bat)
 - This method resets the environment variable every time CADfix is started.

7.2.2.1 Referencing a configuration directory

This method is good for setting a general set of configuration values for all users who share a common use of CADfix.

Set the environmental variable CADFIXSITECONFIG to set the shared configuration directory, e.g.

```
CADFIXSITECONFIG=/Shared/CADFixConfig
```

The referenced shared configuration directory must contain a configuration file called “CADfix1400” (without a leading “.”).

7.2.2.2 Referencing a configuration file

This method is good for setting different configuration values for different groups of users, such as projects or departments.

Set the environmental variable CADFIXSITECONFIG to set a specific shared configuration file, e.g.

```
CADFIXSITECONFIG=/Shared/CADFixConfig/project_a.config
```

This configuration file can use any naming format.

7.2.2.3 Content of the shared configuration file

The shared configuration file can contain the same information as a local ‘.CADfix1400’ file. It is therefore recommended that the required settings be copied from a local ‘.CADfix1400’ file into the shared configuration file.

Here are examples of some of the settings that are commonly used in a site configuration file:

```
*famgui.workingDirectory: ./temp
*famgui.dirsFavourites: ./temp /Shared/ “/CAD/Prod Models” “/Analysis Results”
*famgui.backgroundcol: K 093EBB bottomTop
*famgui.wizardConfig: /Shared/CADFixConfig/Wizard/STEPtoCAE.cwc
*famgui.wizardMaxTol: 0.1 mm
*famgui.qualityStandard: user standard1 {}
*famgui.usertools: *****
*famgui.usertoolboxes: *****
```

Note that the wizardMaxTol and the qualityStandard values can also be set in the wizardConfig file. Care must be taken to ensure these values do not contradict each other.

7.2.3 Installation Configuration Files

An alternative to the Site Configuration File is to place a default configuration file into the CADfix installation, e.g.

```
./CADfixDX/defaults.config
```

- This file can have any name but must have the extension “.config”.
- All users of this CADfix installation will inherit this file.
- Users do not need the environmental variable “CADFIXSITECONFIG” setting.

7.2.4 Enforcing configuration settings

When a user changes any CADfix configuration setting, it is stored in their local configuration file (‘.CADfix1400’), and this will override any values set in the site configuration file. The values in the shared configuration file can be set to override any local values through the use of the ‘siteonlyoptions’ setting.

Note that a user can still manually use alternative settings. The ‘siteonlyoptions’ should therefore not be considered as a way of controlling the users’ settings; it is rather an aid to loading default values.

The ‘siteonlyoptions’ setting is added to the top of the site configuration file and lists all the configuration values that must not be overridden.

In the following example of a site configuration file, only the wizardMaxTol and workingDirectory are set. All the other values can be overridden by the users’ local configuration file.

```
*famgui.siteonlyoptions: wizardMaxTol workingDirectory  
*famgui.workingDirectory: ./temp  
*famgui.dirsFavourites: ./temp /Shared/ “/CAD/Prod Models”  
*famgui.wizardConfig: /Shared/CADFixConfig/Wizard/STEPtoCAE.cwc  
*famgui.wizardMaxTol: 0.1 mm
```

8 Uninstalling CADfix and its data

8.1 Uninstalling CADfix

- 1) Delete the CADfix installation directory.
- 2) Delete cadfix_setups file

8.2 Removing FlexNet licensing service

If other FlexNet-based products are running on this computer, review the content of the '.flexlmrc' file carefully before making any changes.

- 1) If the license service is installed on this computer: Stop the FlexNet license service – See [Stopping the license server](#)
- 2) Delete the '.flexlmrc' file

8.2.1 Removing User Configuration Settings

Each user's CADfix settings are stored in a set of files in their home directory. Each time CADfix is closed, these files will be rewritten.

Deleting these files will return CADfix to its default state:

- Removing any CADfix configurations set by the user (favourites, background colours, etc.).
- Removing the history records (last directories used, last Wizard settings used, etc.).
- Removing any customisation (buttons and toolbar layouts).

<u>File/directory</u>	<u>Description</u>
.CADfix*	Active user configuration settings
.CADfix.config/	A directory containing specific site and tool configurations

8.2.2 Removing Temporary Files

Temporary files created by internal processes are stored in the user's temp folder, as defined by the TMP or TEMP environment variable. These files should be deleted automatically.

Whilst CADfix is not running, any residual temporary files may be removed without affecting the operation of CADfix.

8.2.3 Removing Working Temporary Files

The location of temporary working files is controlled by the users' preference settings. These are accessible from inside CADfix ('File' → 'Preferences') and are stored in the users' configuration files (see above). These files are not automatically removed by CADfix.

<u>File name</u>	<u>Description</u>
*.fbm	The CADfix workspace file that contains the model as it is processed by CADfix. When the user presses the 'Save' button, the model in its current state is saved to this file. These may be removed after the model processing has been completed but should be retained if the model processing needs to be continued later.
*.fbm#?	Backup versions of the active FBM files. These are usually removed when the CADfix session is closed but will be left if CADfix has not closed properly.
batch*.log	Output from a CADfix batch script.
*import.log	Import log information generated when models are imported into CADfix. These files are considered temporary and are not needed after a successful import of the source model.
*wizard.log	This is a log of the processing performed by CADfix; from the moment the model is imported until the export stage. In batch mode, it provides valuable information about the success or failure of processing individual models, although it is generally considered a temporary record.

9 Moving CADfix to another computer

To transfer CADfix from one computer to another, follow this procedure.

1. Verify that your CADfix license will allow CADfix to run on the new computer.
If necessary, contact CADfix support to check and request an updated license file.
2. Install CADfix on the new computer using the standard installation process.
3. If using a Node-locked license, it will probably be necessary to also install the license service on the new computer.
4. If your original CADfix included customisations, or if you want to keep your previous settings and history, you need to follow these steps: Copy the latest '.CADfixxxxx' file, and the '.CADfix.config/' directory from the user's home folder on the old computer to the corresponding location on the new computer.
5. Depending on the user's preferences, CADfix working files (*.fbm) may be in different locations. If you need to retain these files, ensure you locate them and copy them to the new computer.