

CDTire License Installation

CDTire is using the flexlm licensing mechanism. For detailed information on flexlm, see the flexlm license manager documentation.

Server License Installation

The *CDTire* installation comes with a flexlm distribution and this includes the vendor daemon `CDTIRE.exe`.

If you received a license file that needs to be served (license file starts with `SERVER <servername> <server HID> <optional port>`), you need to

1. install *CDTire* on the server (or copy the `<CDTire>\flexlm\<version>\<platform>` directory) and
2. modify the port specification according to your site requirements (the license file is shipped with a predefined port specification which can be edited without invalidating the license) and
3. start the license manager with help of the `lmtools.exe` program. Alternatively, you can manually start the license manager by executing `<CDTire>\flexlm\<version>\<platform>\lmgrd -c <license_file> -l <log_file>` from commandline. Make sure that you have write permissions for `<log_file>`.

Note: If the server needs to be restarted, make sure that

- the server is terminated correctly.

Otherwise the server will not start correctly. See the flexlm documentation for more information on how to administrate the license (the `lmutil.exe` and `lmtools.exe` programs are also supplied).

Client License Installation

If you have received a license file that does not need to be served (license file does not start with `SERVER <servername> <server HID>`) or if you want to connect your *CDTire* installation with your license server, 3 mechanisms are possible:

- set environment variable `CDTIRE_LICENSE_FILE` to `<license>`
- set/expand environment variable `LM_LICENSE_FILE` with `<license>`
- set `LicenseFile=<license>` in section `[License]` of `CDTire.ini` initialization file

In all 3 cases, `<license>` contains either

- the license file name (including its full path)
`<full_path_to_lic_file>\<lic_file_name>` or
- `<port>@<server>` of the license server

As examples, see the following possibilities:

- (command-line example):
`set CDTIRE_LICENSE_FILE 31060@lic_server`
- (command-line example):
`set LM_LICENSE_FILE=%LM_LICENSE_FILE%;C:\dir\license.lic`
- (CDTire.ini file example):
`[License]`
`LicenseFile=31060@lic_server`

If the license needs to be served, see ***Server License Installation***. Contact your system administrator to ask for port and server name.

CDTire.ini initialization file

In case you choose the `CDTire.ini` mechanism, you need to supply a `CDTire.ini` file at a location that can be accessed by CDTire, so this has to be set up appropriately. There are several possibilities where this file is found by *CDTire*:

- directory specified by environment variable `%CDTIREHOME%` (ideally, this environment variable is set up after a CDTire installation, we refer to it as a “CDTire site location”)
- directory specified by environment variable `%HOMEDRIVE%\%HOMEPATH%\CDTire`. (`%HOMEDRIVE%` and `%HOMEPATH%` is set up by the OS), so a user has to create the CDTire (case sensitive) folder inside the `%HOMEDRIVE%\%HOMEPATH%` folder and place the `CDTire.ini` file there. We refer to this location as the “CDTire user location”.
- directory specified by environment variable `%USERPROFILE%\CDTire`. (`%USERPROFILE%` may be set up by the OS), so a user has to create the CDTire (case sensitive) folder inside the `%USERPROFILE%` folder and place the `CDTire.ini` file there. We refer to this location as the “CDTire user location”. In most cases, this is identical to `%HOMEDRIVE%\%HOMEPATH%`.
- current working directory can also contain a `CDTire.ini` file (we refer to this as the “CDTire local location”).

To specify a license file or reference a license server, add a section `[License]` (if not present already). The key `LicenseFile` can be set to a license file (including full path) or a license server (including port). As an example, see the `CDTire.ini` file in the *CDTire* installation or the following example:

```
[License]
LicenseFile = <full_path_to_lic_file>\<lic_file>
; or LicenseFile = <port>@<server>
```

If `CDTire.ini` files exist in more than one of the above specified places, the contents of these files is merged - with the “User” key settings overruling the “Site” key settings and the “Local” key settings overruling both the “Site” and “User” key settings.