

Licensing

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Coreform IGA for Abaqus supports two licensing methods, self-hosted and Coreform-hosted.

1 Coreform-hosted

Many users may find it preferable to use floating licenses hosted by Coreform. There are three requirements to use these licenses:

1. That you have a user account on <https://coreform.com/account>
 - a. If you do not have an account, contact your team's administrator for Coreform licenses to request an invitation.
 - b. If you need help identifying your team administrator, contact support@coreform.com for assistance.
2. Your team needs to have an active license for Coreform IGA for Abaqus.
3. The computer(s) running Coreform IGA for Abaqus need to be able to access <https://coreform.com>. It's possible that your organization's firewall blocks connections, such as these. If so:
 - a. You may be able to request adding that URL to the firewall's "whitelist".
 - b. If your site has an existing HTTP proxy, which you can access, the script will attempt to use the proxy by searching for the environment variables `HTTP_PROXY` or `HTTPS_PROXY`.
 - c. If the above workarounds are not an option for you, you can use the self-hosted licensing approach described below.

2 Self-hosted

We strongly recommend the Coreform-hosted floating license option, but recognize that some users will require self-hosting of their floating licenses. If you do use the self-hosted option you will need to do the following.

2.1 RLM-Server installation for self-hosted licenses

There are four parts to setting up a self-hosted license:

1. Install the RLM-Server software on the machine that will be the license server.
2. Activate the floating license on the license server.
3. Configure your firewall.
4. On each client machine, specify the location of the license server.

NOTE: These instructions assume that you use default paths and port numbers. Please modify the instructions according to actual installation locations and port numbers used.

2.1.a Install the RLM-Server software on the machine that will be the license server

1. Pre-installation Setup
 - a. Before installing RLM-Server, choose a computer to use as a license server.
 - i. This computer must be reachable by clients on the internal network.
 - ii. This computer does not need to be a dedicated license server.
 - iii. It needs to always be on while clients are using licenses.
 - iv. You will need your product key for your license found in your [Coreform account](#).
2. Install RLM-Server Software
 - a. Run the appropriate RLM-Server installation file. RLM-Server can be downloaded from the [Coreform downloads page](#) (see the RLM Server Downloads section).

Platform	Filename	Default Install Folder
Windows	RLM-Server-202x.x-Win64.exe	C:\Program Files\RLM-Server
Linux	RLM-Server-202x.x-Lin64.sh	/opt/RLM-Server
	RLM-Server-202x.x-Lin64.deb	
	RLM-Server-202x.x-Lin64.rpm	
	RLM-Server-202x.x-Lin64.rpm	

- b. Linux installation details

- i. To install RLM-Server on a Linux machine, use either the `su -` or `sudo` command to elevate to root.

2.1.b Activate the Coreform IGA for Abaqus license

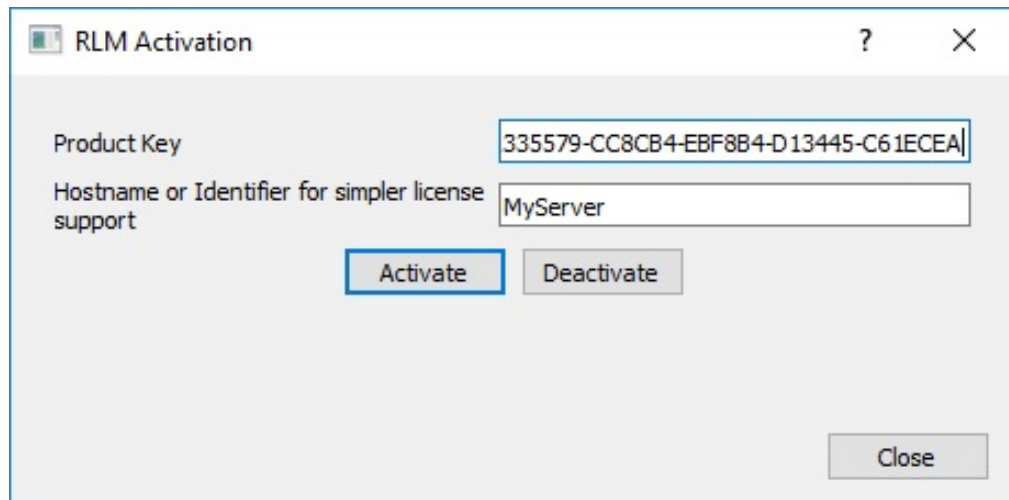
A valid Coreform IGA for Abaqus license file must be placed in the RLM-Server installation folder. The license file can be obtained using an activation utility that communicates with the Coreform server over the Internet, or the license file can be downloaded from your [Coreform account](#).

1. Activate over the internet

- a. Navigate to the RLM-Server installation folder (see table above).
- b. Activate by using either the GUI or the command line option:

i. RLM Activation GUI

- i. Run `rlm_activate` to launch the RLM Activate window. Enter the Product Key and Hostname (for identifying your license server on your account). Click Activate.



ii. Command Line Activation

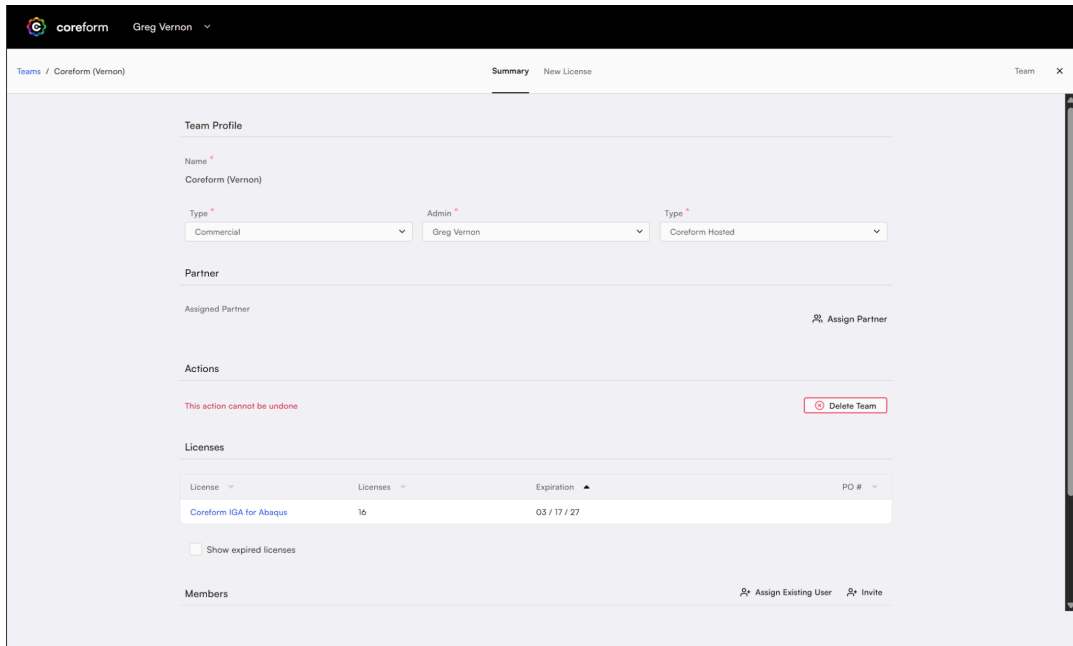
- i. Run as Administrator (Root): `rlm_activate -activate <product_key> <hostname>`, where `<product_key>` is the product key for the license and `<hostname>` is the name of the server. The hostname is optional, but will identify the server in your list of licenses in your account page.

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.26100.4652]
(c) Microsoft Corporation. All rights reserved.

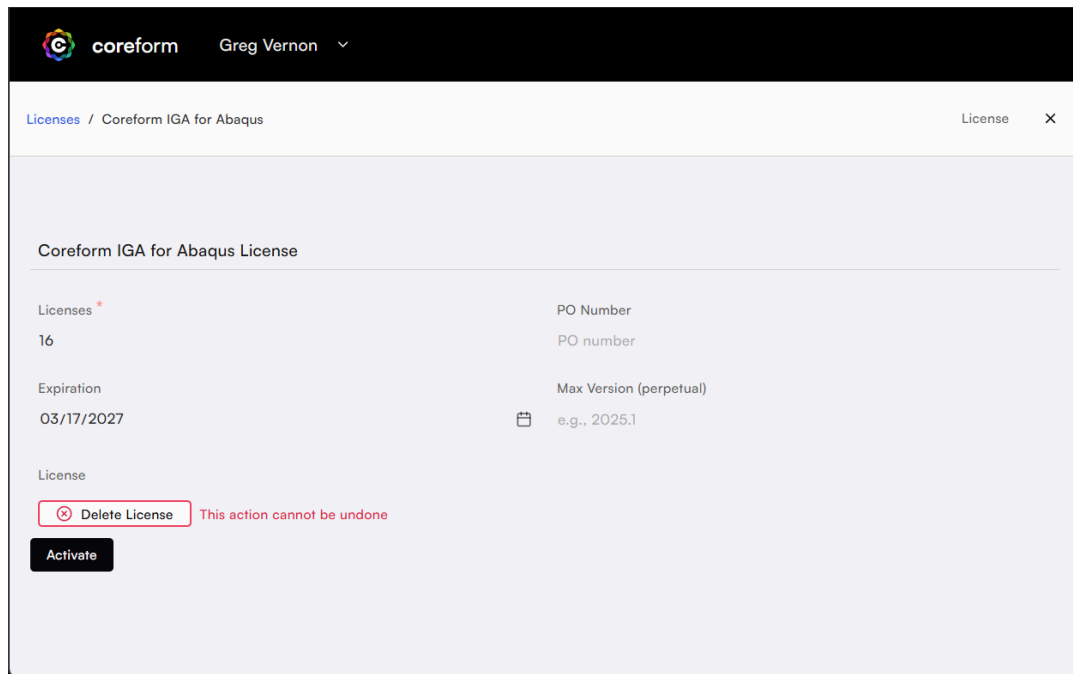
C:\Windows\System32>cd..
C:\Windows>cd..
C:\>cd "Program Files"
C:\Program Files>cd "Coreform License Server 2025.8"
C:\Program Files\Coreform License Server 2025.8>rlm_activate --activate A65EABE464FC4953AF17C2A75D430D04 Myserver_
```

2. Activate locally (without internet)

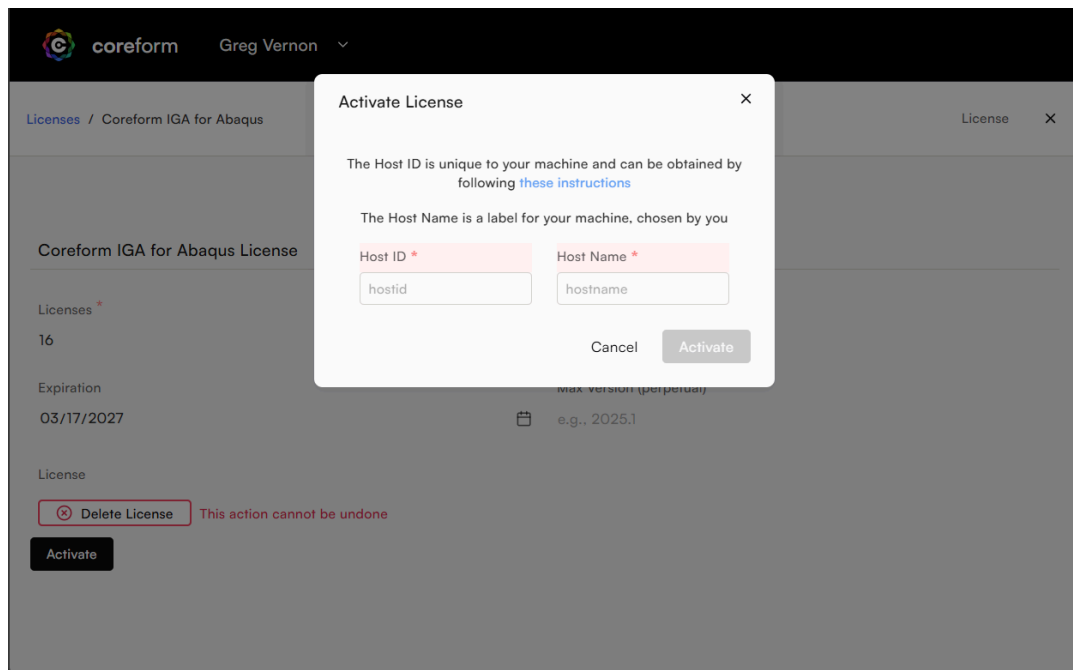
- a. Open a Command Prompt or terminal window and navigate to the RLM-Server installation folder.
- b. Run: `rlmutil rlmhostid ether` to get your server's `hostid`.
- c. On a computer with an Internet connection, go to the Coreform IGA for Abaqus license on your [Coreform account](#) page.



The screenshot shows the 'Team Profile' page for 'Greg Vernon' in the Coreform IGA web interface. The page includes sections for 'Team Profile', 'Partner', 'Actions', 'Licenses', and 'Members'. The 'Licenses' section displays a table with one license entry: 'Coreform IGA for Abaqus' with a quantity of 16 and an expiration date of 03 / 17 / 27. The 'Actions' section shows a red warning message: 'This action cannot be undone' and a 'Delete Team' button.



- d. Click on the Activate button and enter the Host ID and Host Name for the license server into the pop-up dialog, then click the dialog's Activate button.



- e. Save the downloaded license file to your RLM-Server installation folder.

2.1.c Configure your firewall

Restart the server to pick up the new license file. This does not require a reboot of the machine. Check to see that the Coreform server is running. In a web browser on the server, type <http://localhost:5054/>. This should open the Reprise License Server Administration page. In the left column, click Status. You should see three tables. In the ISV Servers table you should see Coreform port 5055 running. If not, click on Reread/Restart Servers in the left column. Check again by clicking Status.

By default, RLM-Server uses tcp:5053 with a web admin interface running on tcp:5054 and an additional port specifically for the Coreform ISV server (tcp:5055). You can edit the port numbers in the license file to fit your needs. For example, if you already have an existing RLM installation for another program that uses port 5055, you can reassign the Coreform port.

If you change port 5053 in the license file on the server, the port listed in the client license file must match the port in the server license file.

With port numbers decided, you can proceed to adjust your firewall for all ports to allow license server traffic.

2.1.d On each client machine, specify the location of the license server

On Windows, create a license file `C:\Users\<user>\AppData\Local\Coreform\licenses\coreform.lic` whose contents are of the form:

```
HOST <server_address> ANY <port>
ISV csimsoft
```

On Linux, run the configuration tool and choose the RLM self-hosted licensing option when prompted:

```
abaqus python coreform_iga_abaqus_setup.py
```

Enter your license server's host and port, and the tool writes a `remote.lic` with the same `HOST ... / ISV csimsoft` contents to the directories the runtime searches: `~/.config/Coreform/licenses/remote.lic` and, when writable, `<install>/bin/licenses/remote.lic`. You can also create either file by hand with the contents shown above.