



**ESTECO ACADEMY TUTORIALS**

# How to install a modeFRONTIER license

# Guidelines



## **License Manager**

First steps on how to install your license

## **Mac operating system**

Skip it if you are not a Mac user

## **Remote Server**

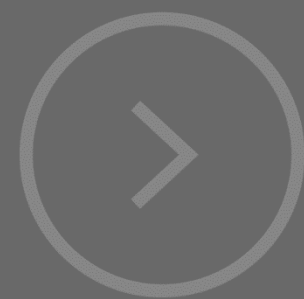
Skip it if your license is not installed in the university server (i.e. floating license)

## **Enable Server**

Launch the license and start using modeFRONTIER

## **Troubleshooting**

Check the logs

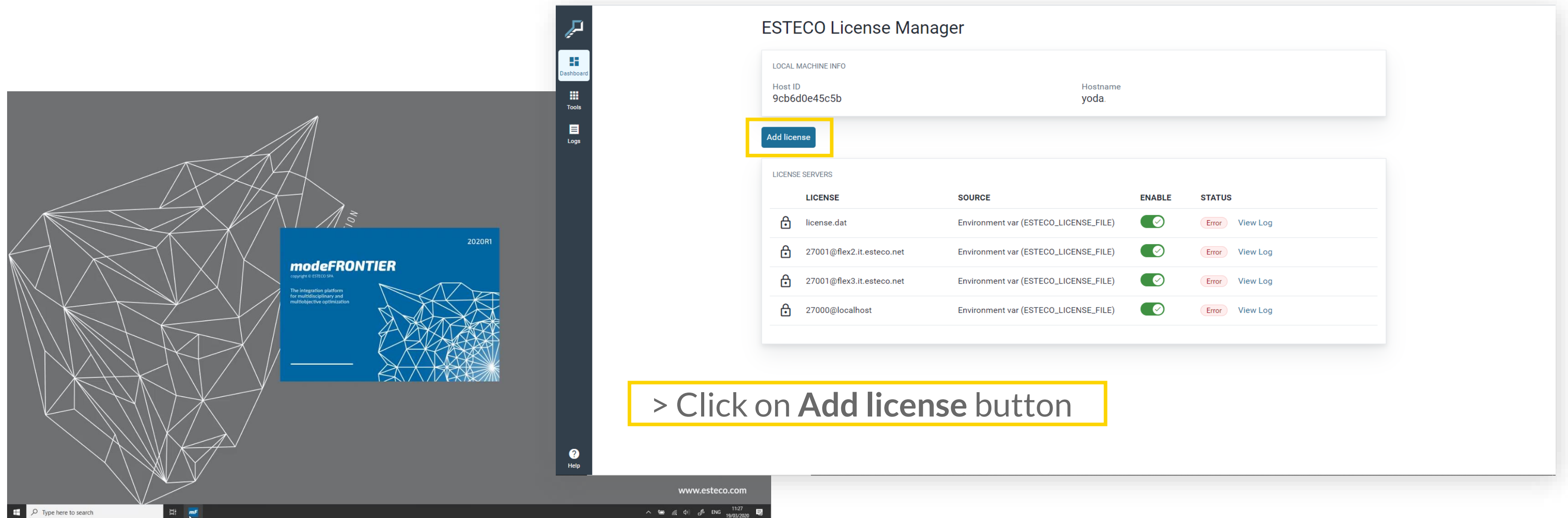


# License Manager

First steps on how to install your license

# Launch modeFRONTIER

If a license file is not installed yet, the modeFRONTIER License Manager window will pop-up.



**ESTECO License Manager**

LOCAL MACHINE INFO

Host ID: 9cb6d0e45c5b      Hostname: yoda

**Add license**

LICENSE SERVERS

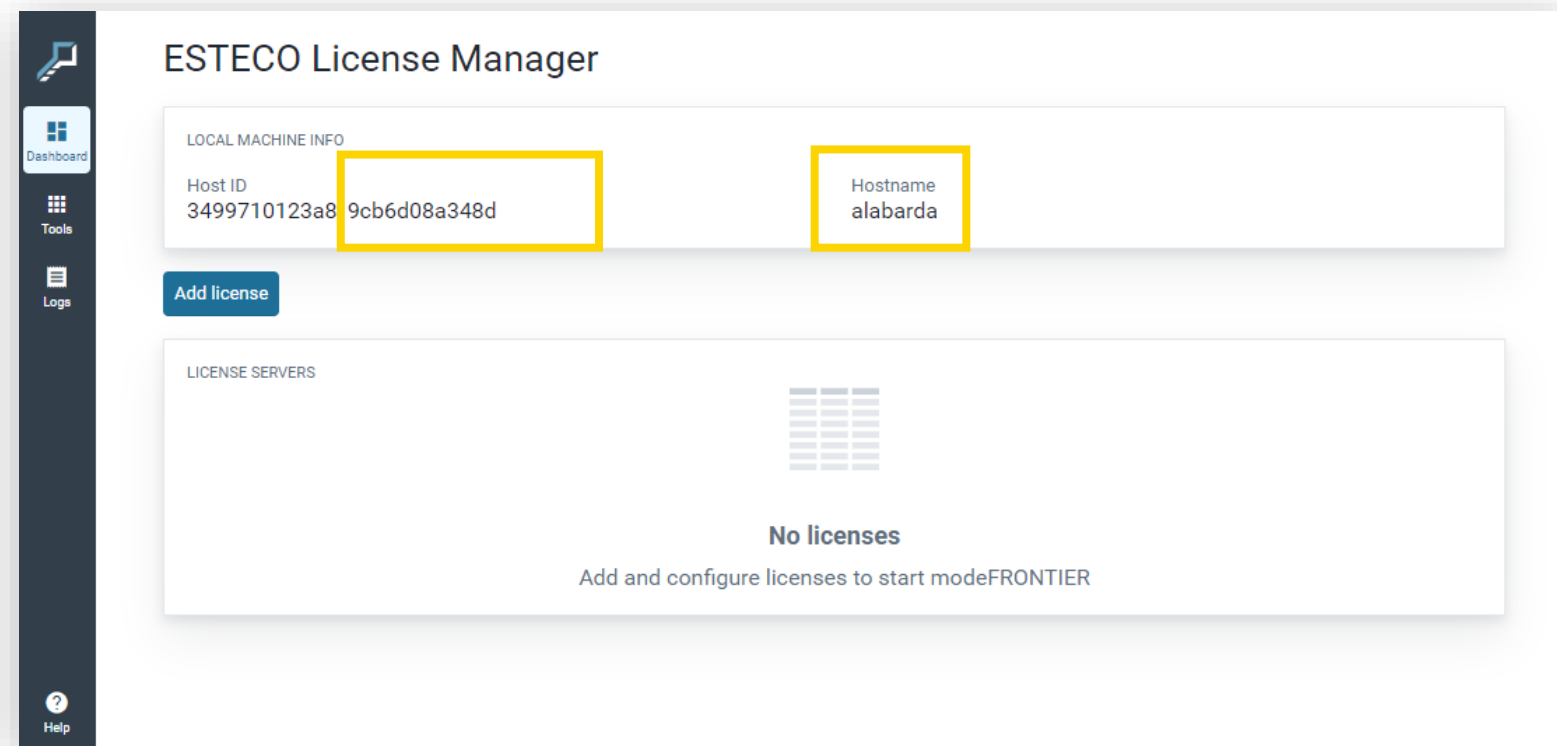
LICENSE	SOURCE	ENABLE	STATUS
license.dat	Environment var (ESTECO_LICENSE_FILE)	<input checked="" type="checkbox"/>	Error View Log
27001@flex2.it.esteco.net	Environment var (ESTECO_LICENSE_FILE)	<input checked="" type="checkbox"/>	Error View Log
27001@flex3.it.esteco.net	Environment var (ESTECO_LICENSE_FILE)	<input checked="" type="checkbox"/>	Error View Log
27000@localhost	Environment var (ESTECO_LICENSE_FILE)	<input checked="" type="checkbox"/>	Error View Log

> Click on **Add license** button



# Check Host ID and Host Name

**Very important!** Check if the Host ID and Host Name reported by the License Manager tool matches with the data reported in the license file: if they are different, you need a different license file.



These are the **correct data** for the machine you are using.

```
#-----  
# modeFRONTIER(TM)  
# License file issued to ESTECO SpA  
#-----  
# This license file contains the following items (in the same order as they appear here)  
# - 1 FULL MONTY + CALIBRATION valid from 22-Oct-2019 to 21-Apr-2020  
#-----  
SERVER alabarda 9cb6d08a348d  
VENDOR esteco esteco  
#-----  
# FULL MONTY + CALIBRATION  
#-----  
PACKAGE cad_cae esteco 2020.0 COMPONENTS="mf_integration_abaqus mf_integration_adams mf_integration_adamsv  
mf_integration_jmag mf_integration_madymo mf_integration_metapost mf_integration_mpi mf_integration_n  
mf_integration_solidworks mf_integration_spaceclaim mf_integration_vlab mf_integration_workbench" OPT  
PACKAGE application esteco 2020.0 COMPONENTS="mf_integration_curvefitting mf_integration_labview mf_integrati  
ISSUED=19-Mar-2020 SIGN="0039 ED1E D30D B67B C9E1 417E 0674 5900 C1DF 7EFA 0095 550A 5B65 5A4C 084D"  
INCREMENT cad_cae esteco 2020.0 21-apr-2020 7 VENDOR_STRING="Demo Internal" sort=10 SUPERSEDE ISSUER=ESTECO I  
INCREMENT mf_batch_base_sched esteco 2020.0 21-apr-2020 1 VENDOR_STRING="Demo Internal" sort=10 SUPERSEDE ISS  
INCREMENT mf_gui_base_sched esteco 2020.0 21-apr-2020 1 VENDOR_STRING="Demo Internal" sort=10 SUPERSEDE ISSUE  
INCREMENT mf batch advanced sched esteco 2020.0 21-apr-2020 1 VENDOR STRING="Demo Internal" sort=10 SUPERSEDE
```

Check if they corresponds to the data reported in License file (**SERVER line**).





# Add license from file

If you have a valid license file for the machine you are using, follow these steps:

The screenshot displays the ESTECO License Manager application. On the left, a sidebar contains 'Dashboard', 'Tools', and 'Logs' icons. The main window shows 'LOCAL MACHINE INFO' with Host ID '9cb6d0e45c5b' and Hostname 'yoda'. Below this, the 'Add license' button is highlighted, with a dropdown menu showing 'From File' and 'From Server'. A table lists existing licenses, all with 'Error' status. On the right, a 'Select file' dialog is open, showing a file tree where 'modeFRONTIER2019R3' is selected. At the bottom of the dialog, the 'Copy license file to preferences folder' checkbox is checked, and the 'Ok' button is visible.

**2. Browse and select the valid license file.**

**1. Click on Add license and choose From File.**

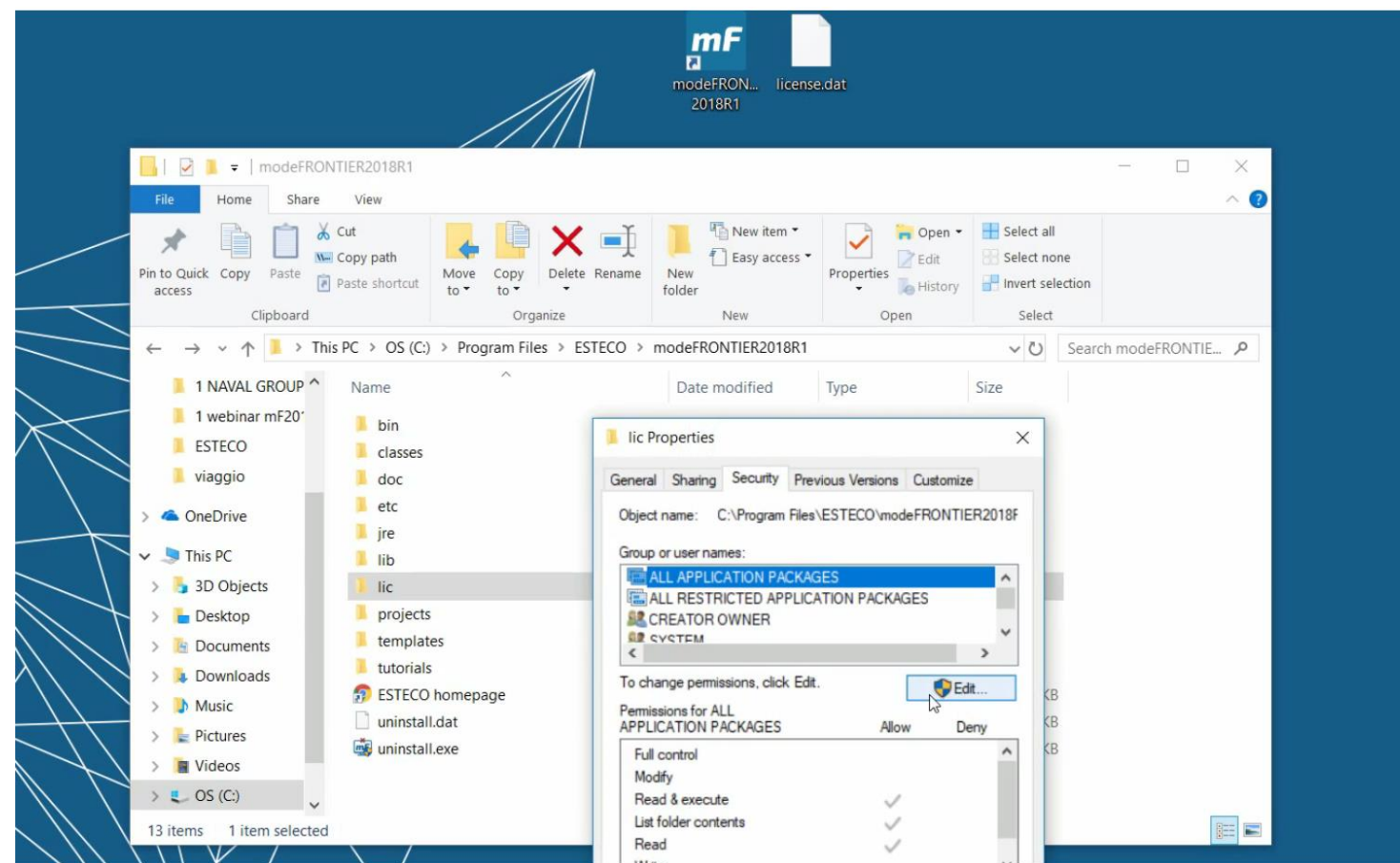
**3. Select the Copy license file to preferences folder option and click ok.**

LICENSE	SOURCE	ENABLE	STATUS
license.dat	Environment var (ESTECO_LICENSE_FILE)	<input checked="" type="checkbox"/>	Error View Log
27001@flex2.it.esteco.net	Environment var (ESTECO_LICENSE_FILE)	<input checked="" type="checkbox"/>	Error View Log
27001@flex3.it.esteco.net	Environment var (ESTECO_LICENSE_FILE)	<input checked="" type="checkbox"/>	Error View Log
27000@localhost	Environment var (ESTECO_LICENSE_FILE)	<input checked="" type="checkbox"/>	Error View Log

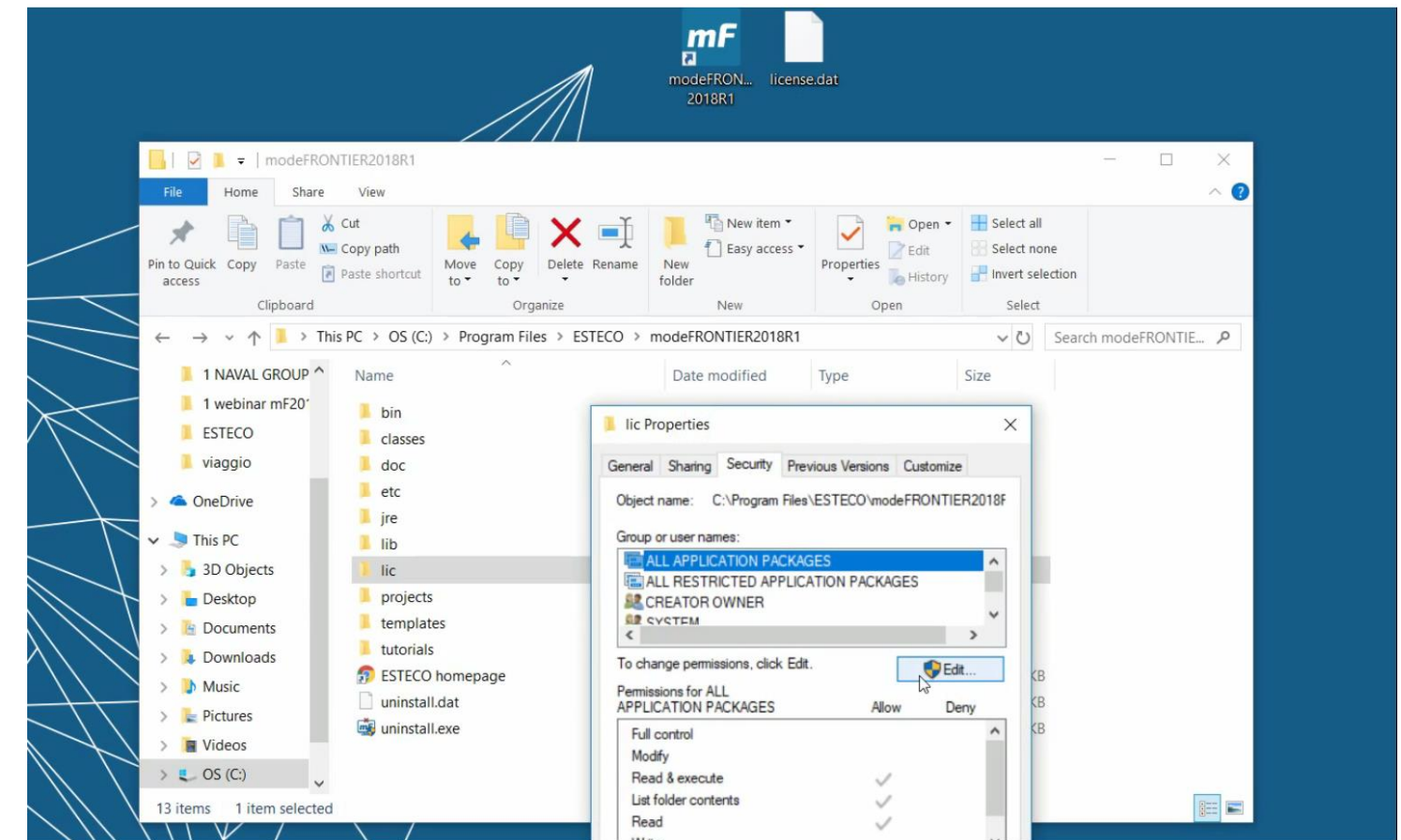


# Check the modeFRONTIER folder

**Very important!** Check if the folder where modeFRONTIER is installed has the authorization to write files.

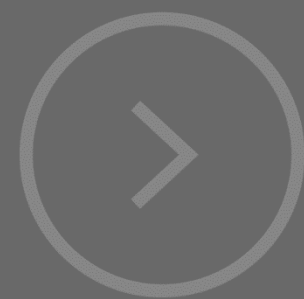


Right-click on **lic** folder in mF installation, and select **Properties**.



From Security Panel, click Edit and Add **full control** to the installation folder.





# Mac operating system

Skip it if you are not a Mac user

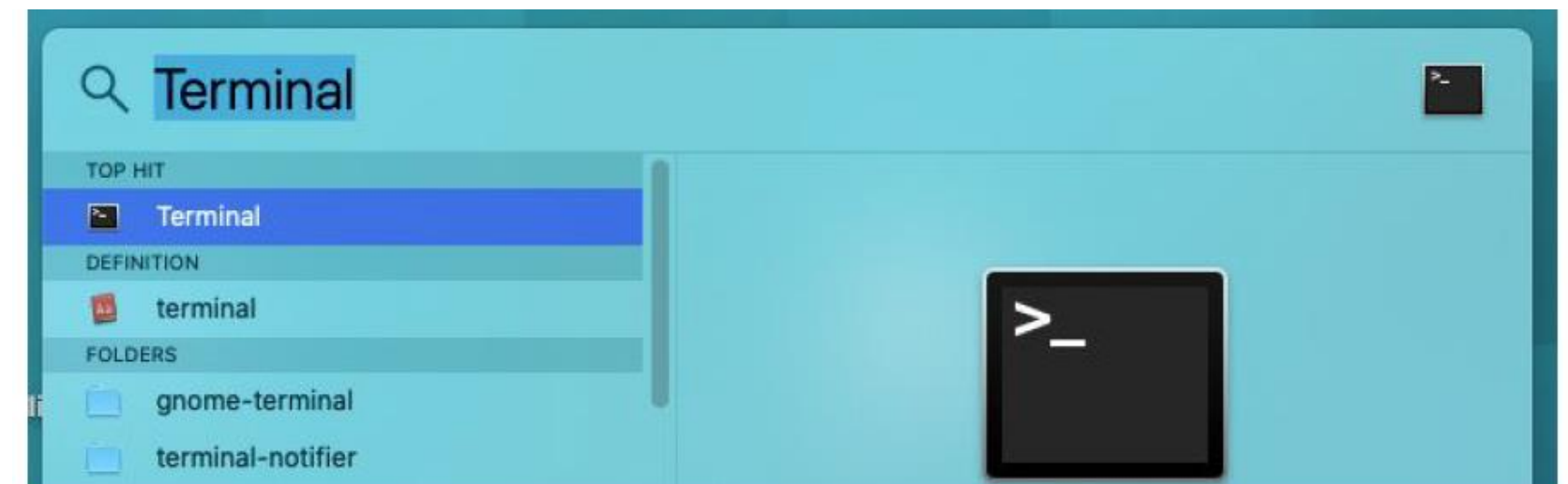


# Check Mac compatibility with modeFRONTIER

Only macOS Mojave 10.14.x or macOS Catalina 10.15.x are compatible with modeFRONTIER.



macOS version can be retrieved from the system information.



Open now a **terminal** to check/set the correct hostname for the license file.



# Check if a valid Host Name is set (step 1)

```
$ scutil --get HostName
```

1. Type this command to check if a **valid Host Name** is set.

```
$ scutil --set HostName "<hostname>"
```

2. If the result is «HostName: not set», type this second command.

```
#-----  
# modeFRONTIER(TM)  
# License file issued to ESTECO SpA  
#-----  
# This license file contains the following items (in the same order as they appear here)  
# - 1 FULL MONTY valid from 05-Mar-2020 to 04-Sep-2020  
#-----  
SERVER yoda |a44cc8aa4da7  
VENDOR esteco esteco  
#-----  
# FULL MONTY  
#-----  
PACKAGE cad_cae esteco 2020.0 COMPONENTS="mf_integration abaqus mf_integration_adams m  
mf_integration_jmag mf_integration_madymo mf_integration_metapost mf_integration_mpi  
mf_integration_solidworks mf_integration_spaceclaim mf_integration_vlab mf_integratio  
PACKAGE application esteco 2020.0 COMPONENTS="mf_integration_curvefitting mf_integratio  
ISSUED=06-Mar-2020 SIGN="0031 04C3 6766 D8B8 C4DC 394E F2EA 4300 0E3A 1BA9 21DD 9EAE  
INCREMENT cad_cae esteco 2020.0 04-sep-2020 7 VENDOR_STRING="Demo Internal" sort=10 ISSU  
INCREMENT mf_batch_base_sched esteco 2020.0 04-sep-2020 1 VENDOR_STRING="Demo Internal" s  
INCREMENT mf_gui_base_sched esteco 2020.0 04-sep-2020 1 VENDOR_STRING="Demo Internal" so  
INCREMENT mf_batch_advanced_sched esteco 2020.0 04-sep-2020 1 VENDOR_STRING="Demo Intern
```

3. Use as <hostname> in the command above, the name you can find in the license file, at **SERVER** line.



# Check if a valid Host Name is set (step 2)

Add a line in the /etc/hosts file specifying typing 127.0.0.1 <hostname> , where <hostname> is the name indicated in the license file in the previous slide.

```
$ cd /etc
$ sudo nano hosts

##
```

4. Type these commands above to edit the **hosts** file.

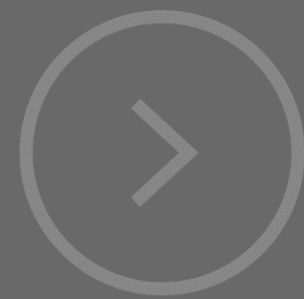
```
# Host Database
#
# localhost is used to configure the loopback interface
# when the system is booting. Do not change this entry.
##
127.0.0.1        localhost
127.0.0.1        <hostname>
255.255.255.255 broadcasthost
```

5. Add the line reported in yellow above, replacing the correct <hostname> as indicated before.

```
$ dscacheutil -flushcache
```

6. **Save** the updates by pressing «ctrl+x» and then typing «y» and pressing «Return». **Type** the command above as final step.



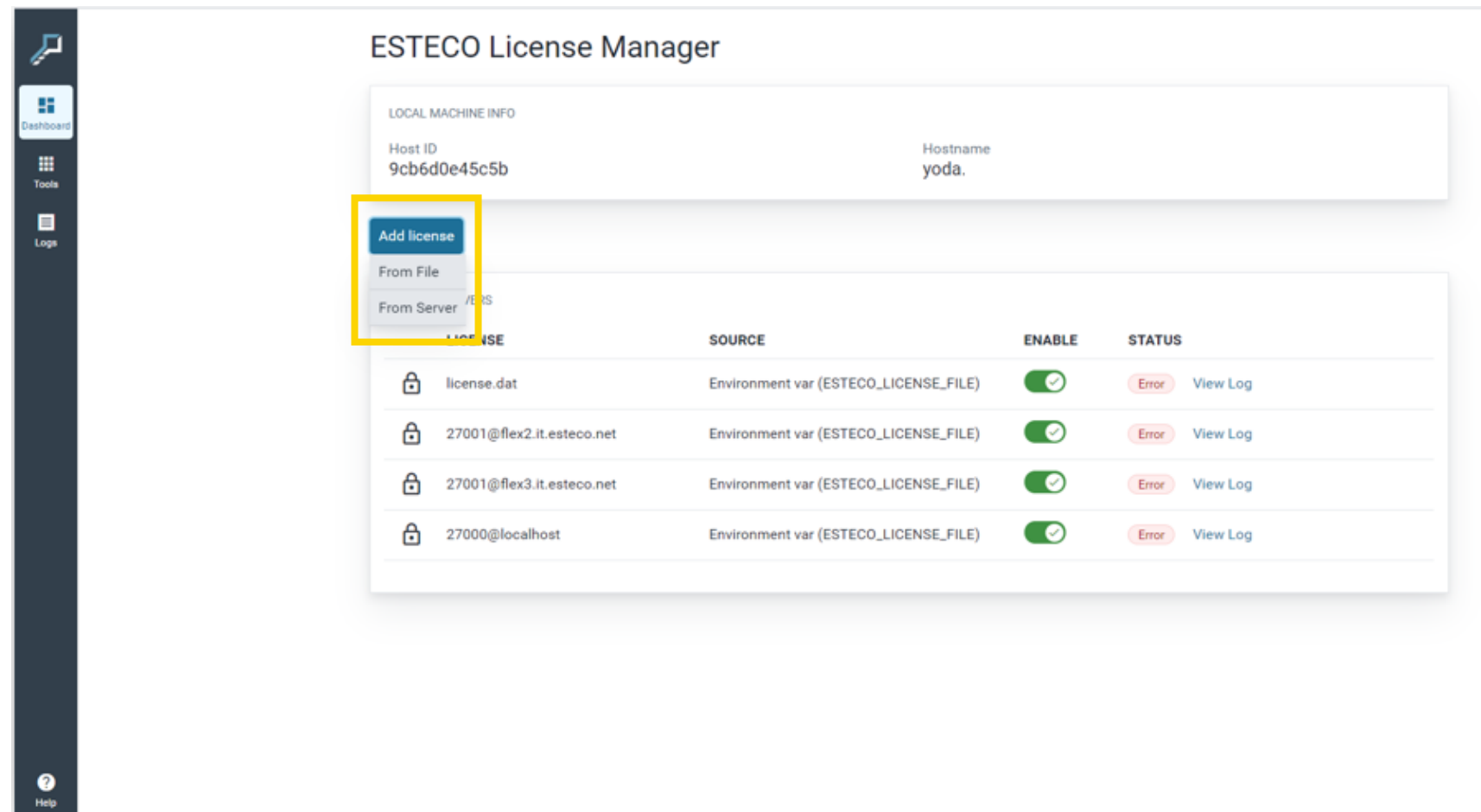


# Remote Server

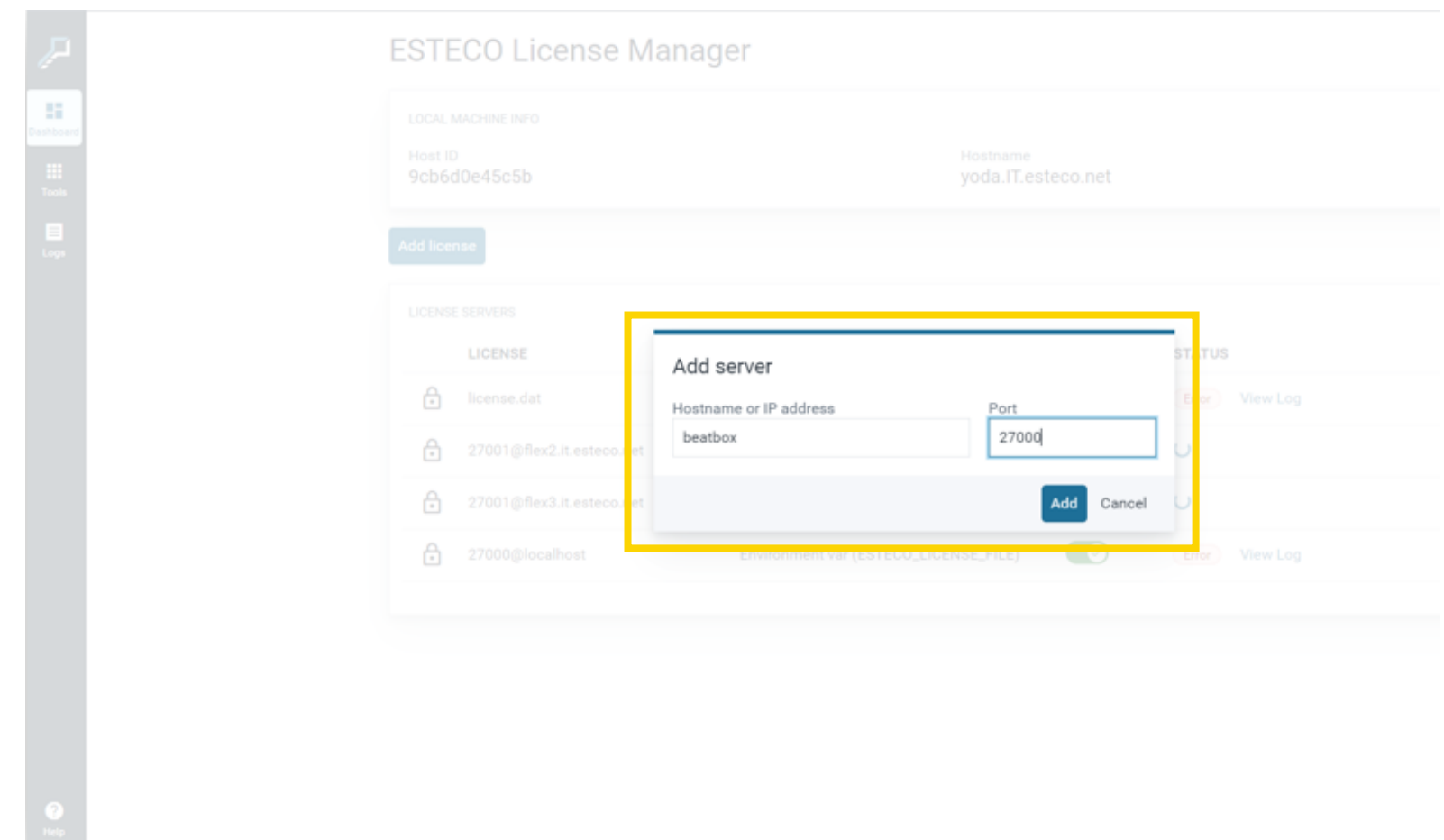
Skip it if your license is not installed in the university server (i.e. floating license)

# Remote Server

Select Add License from Server if the license is installed on a remote machine (license server) different from the one you are using...



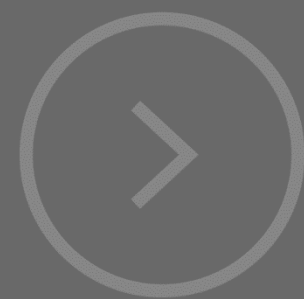
Select Import license from Server.



Specify hostname and port number (default is 27000 if not in use) of server.





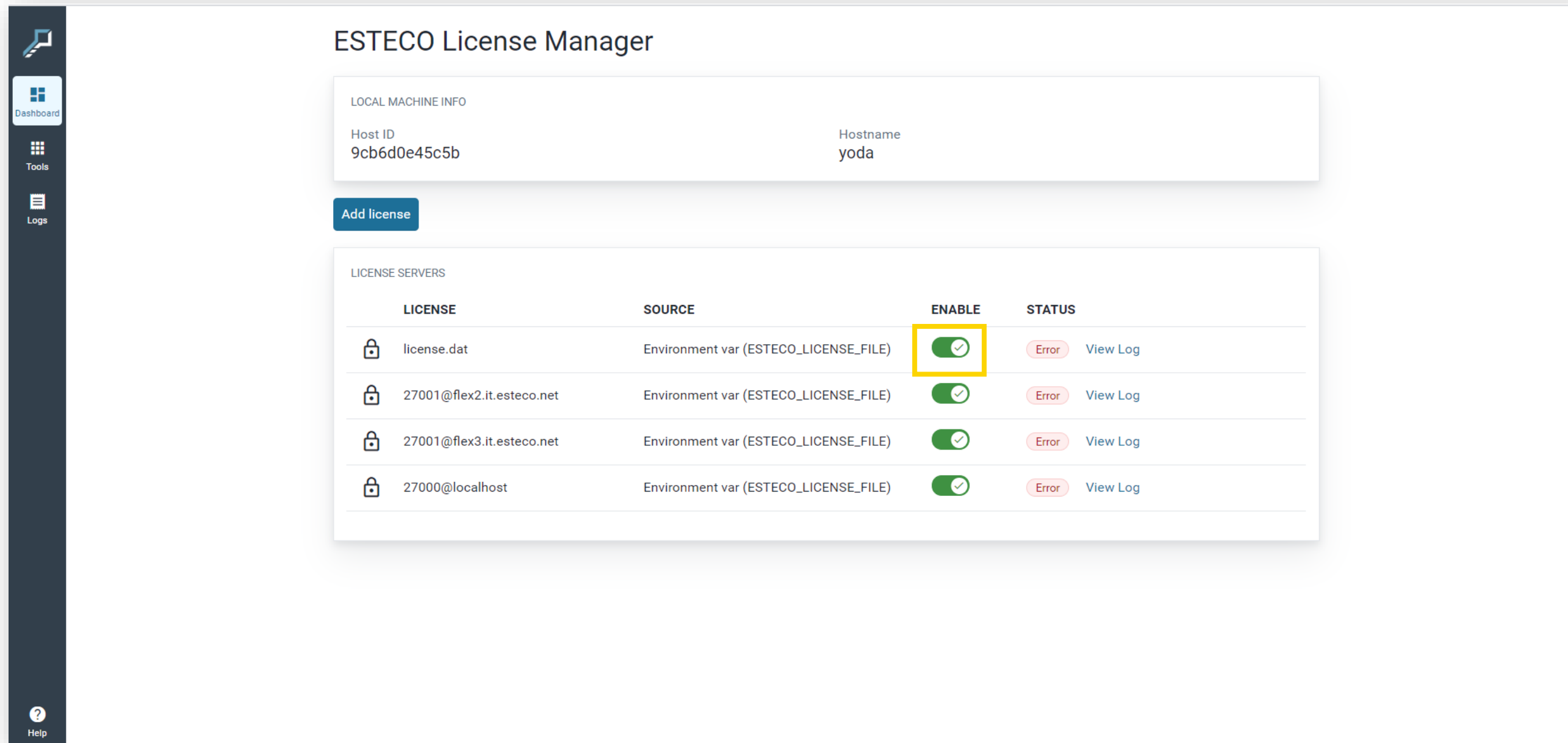


# Enable Server

Launch the license and start using modeFRONTIER

# Enable Server

Start the license server by **enabling the server or the license** from the table



The screenshot displays the ESTECO License Manager web interface. On the left is a dark sidebar with navigation links: Dashboard, Tools, Logs, and Help. The main content area is titled 'ESTECO License Manager' and contains two sections. The first section, 'LOCAL MACHINE INFO', shows 'Host ID: 9cb6d0e45c5b' and 'Hostname: yoda'. Below this is a blue 'Add license' button. The second section, 'LICENSE SERVERS', contains a table with four columns: LICENSE, SOURCE, ENABLE, and STATUS. The table lists four license entries, each with a lock icon, a license ID, a source path, an 'ENABLE' toggle switch, and a status (all marked 'Error' with a 'View Log' link). The first row's 'ENABLE' toggle is highlighted with a yellow box.

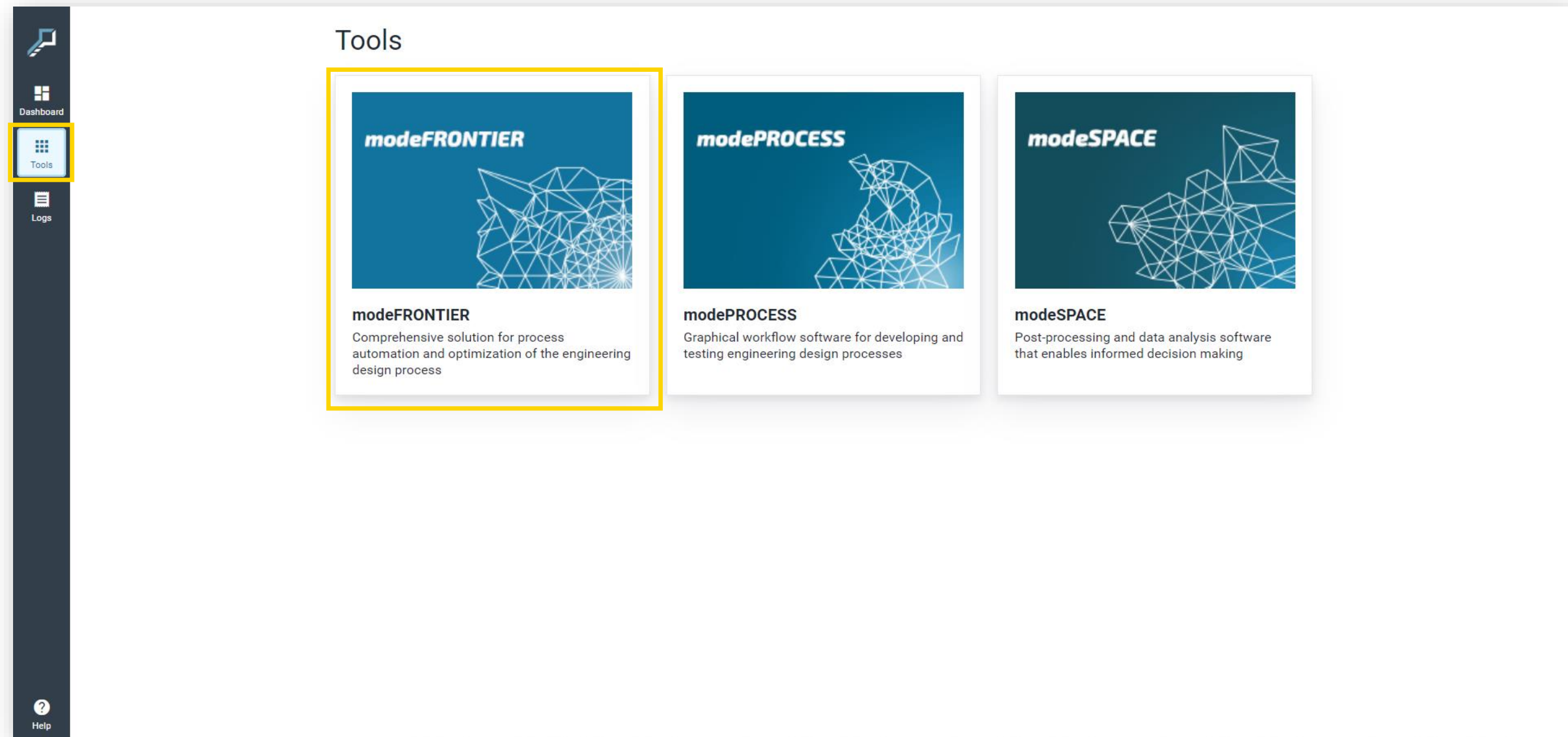
LICENSE	SOURCE	ENABLE	STATUS
license.dat	Environment var (ESTECO_LICENSE_FILE)		Error <a href="#">View Log</a>
27001@flex2.it.esteco.net	Environment var (ESTECO_LICENSE_FILE)		Error <a href="#">View Log</a>
27001@flex3.it.esteco.net	Environment var (ESTECO_LICENSE_FILE)		Error <a href="#">View Log</a>
27000@localhost	Environment var (ESTECO_LICENSE_FILE)		Error <a href="#">View Log</a>

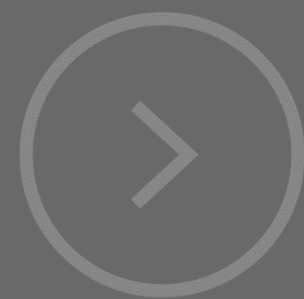
Make sure that the **right server or license** is enabled in the table.



# Start using modeFRONTIER

Select the **Tools** button on the menu on the left and click on modeFRONTIER to start it.



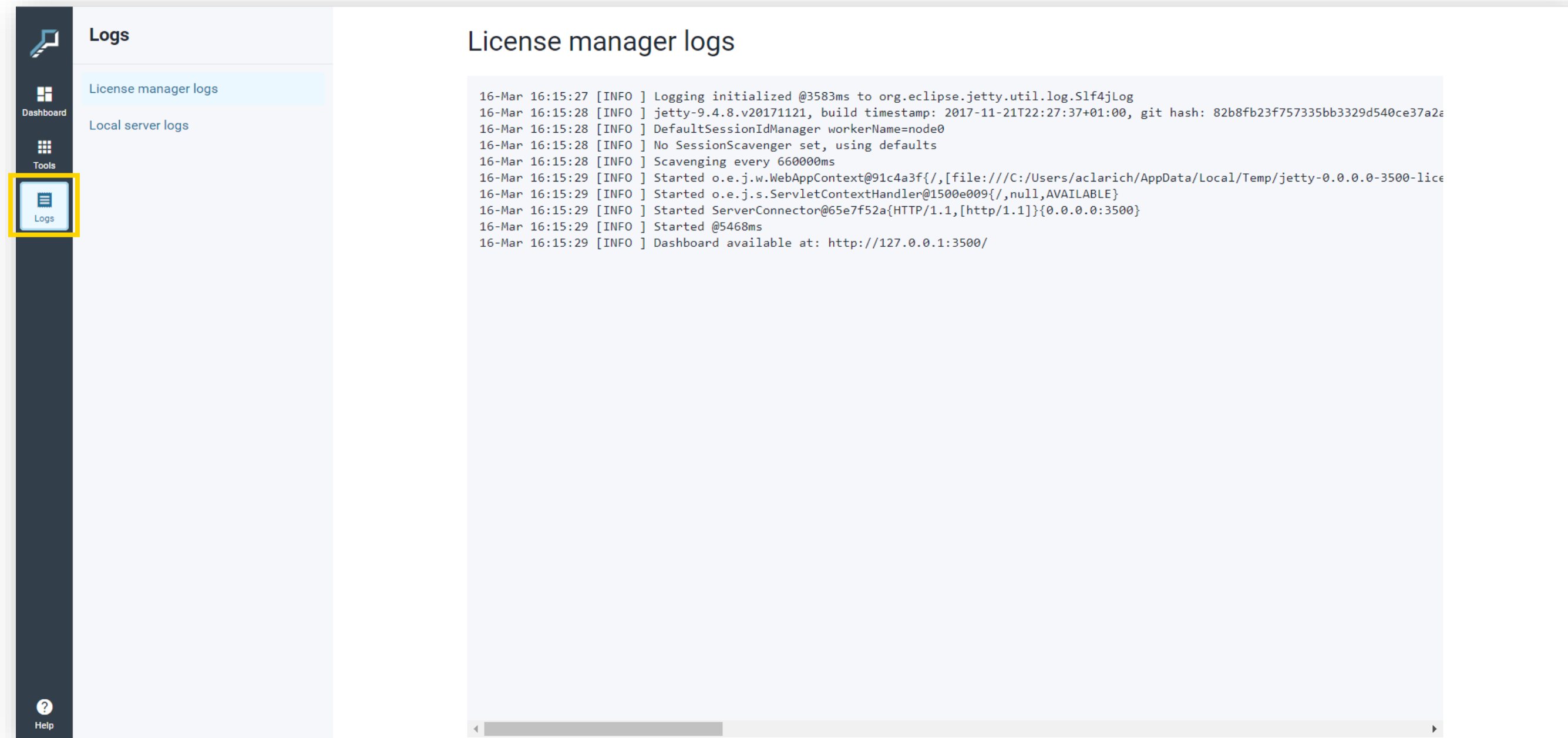


# Troubleshooting

Check the logs

# Troubleshooting

If any error occurs, please **check the logs** from the corresponding tool.



If the server is down, close the tool and restart it. Check if license and server data are correct, and all folder rights are enabled.







Thank you

[esteco.com/academy](https://esteco.com/academy)

