Quick Start Guide for Installing OLicense-Server on Linux for use with SimDiff

Contents

Installing OLicense-Server

Extract the contents of the [OLicense-Server for Linux](#) to a desired directory (e.g. /opt/Optimum/OLicenseServer).

Running OLicense Server Control Panel

The OLicense Server Control panel can be opened by executing the OLicenseServerCtrl.lin file. To start the OLicense Server please see **Running OLicense as a Service** or **Running OLicense as a Local Process** section for more information.

Configuring OLicense-Server

In order to configure OLicense-Server you must decide the port it will run on and whether it will run as a service or as a local process.

It is highly recommended that OLicense-Server be configured as a service, for persistence, performance, consistency.

Setting the Port Number

The port number is 80 by default, which could conflict with other servers. The server's port can be changed via the ini-file (olicenseserver.ini). The ini-file can be edited directly or from within the server's control panel, under the Server-INI-File tab.

To change the port number, look for the option: "-port". It is to be followed by the port number (e.g. "-port=8080"). Note that the port option is by default commented out, so be sure to remove the 2 forward slashes at the beginning of the line.

After changing the port number, click on the Save button at the bottom of the Server-INI-File tab. If the server is already running, restart it by using Stop Local and Start Local for a local process, or Stop Service and Start Service for a service in the Start/Stop tab.

Running OLicense as a Service

From Server Control
- To run OLicense Server as a service, execute the OLicenseServerCtrl.lin with **root** privileges.
- In the control panel, select the Start/Stop tab. If the server is configured as a local process and is currently running, click on Stop Local.
- Then, click on Install as Service.
- When you are done configuring the OLicense-Server, click Start Service to start the server.

Note: Once the service is running, you need to close the Control Panel and execute OLicenseServerCtrl.lin **without** root privileges, in order to access the Browser frontend.

Running OLicense as a Local Process

To run OLicense Server as a local process, Execute the OLicenseServerCtrl.lin.

If the OLicense-Server is not installed as a service, there will be a button that reads Start Local on the Start/Stop tab of the control-window. Clicking this button will launch the OLicense-Server as a local process. Likewise, the button that reads Stop Local shuts down the server process.

Open Browser FrontEnd

From Server Control
- Open the Server Control Panel by executing OLicenseServerCtrl.lin **without** root privileges
- To open the web interface go to the Start/Stop tab and click Open Browser Frontend.

From Web Browser
- Open a web browser and navigate to http://127.0.0.1:port The port should be replaced by the port number configured. For example if port number is configured to 8080, the URL to open the browser front end will be http://127.0.0.1:8080/

Setting a Password for the OLicense Web Interface

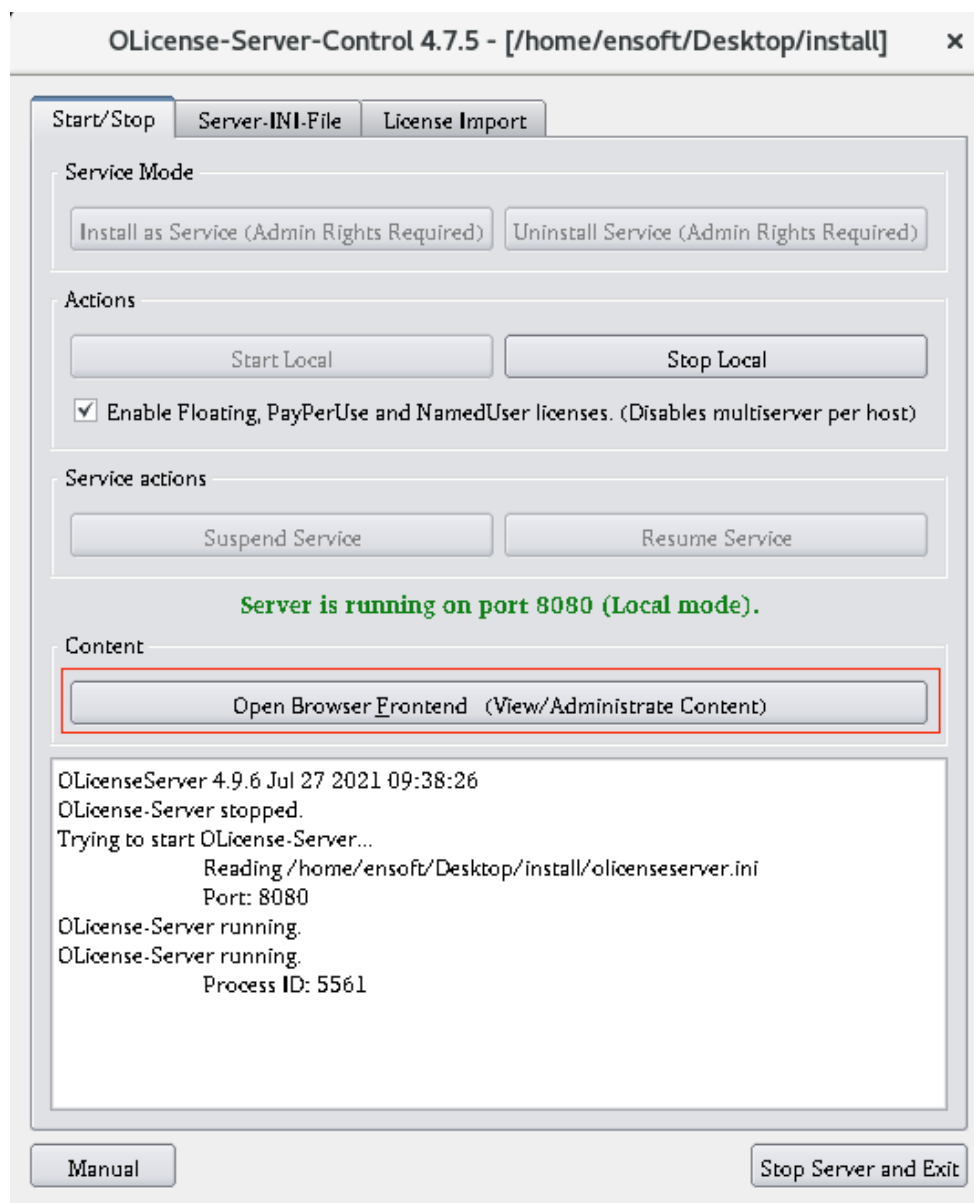Once OLicense-Server is running you should set a password for the web interface.
To open the web interface go to the Start/Stop tab and click Open Browser Frontend.
Click on Administer Server, if a password dialog appears click OK (the first time you run the server the user name and password are blank).
Check off the box to the left of User & Password to indicate that you intend to change this setting. Enter the desired user name and password. Scroll down to the bottom of the page and click Change the selected attributes now.

Getting Server Info to EnSoft (for floating licenses)

Open Browser Frontend and Click on Administer Server. Click on Export Server Info to save a file (.olsiml) and send it to EnSoft. Please see the screenshots below.

There are seven use cases to work with:

License Request	Grants or refuses a license request from a software program. The request protocol is **SOAP** (Simple Object Access Protocol) with Rijndael ciphered data.	(A licensed software program with the OLicense-Client-API compiled in will communicate this way.)
License Import	Imports a license key file got from your licenser. The license file must be in **XML**<!DOCTYPE OLicense> format. The keys are needed to validate a license request.	[Browse...] [Import Selected XML] Use this form to select and send the license file.
License Report	Shows the imported licenses.	[View Licenses]
License Check In/Out	Calls a password-protected form to check out licenses from a remote server, or to check in the checked-out licenses.	URL of the remote server [Check Out Licenses...] [Check In Licenses...]
Server Administration	Calls a password-protected form to manage some server attributes.	[Administer Server...]
License Administration	Calls a password-protected form to configure and delete licenses.	[Administer Licenses...]
Floating License Reservation	Calls a password-protected form to reserve floating licenses to hosts or users.	[Reserve Floating Licenses...]

Visit our homepage for more information: www.olicense.com

Administration
OLicense-Server

OLicense-Server Attributes

	User & Password	Sets/Changes the username and password which protects most forms.	User [ ] Password [ ] Confirm [ ]
	Logfile	Enables/Disables the logfile. Sets the path where the server will store the logfiles. A logfile contains the session protocoll (e.g. who requested a license and when). The filename is: OL<YYYYMM>.log.	Logfile enabled Yes ○ No ● Path C:/Program Files (x86)/Optimum GmbH/OLic
	Alert Email	Sets the alert email address and the mail server. The license server will send an email to that address if a license expires, etc.	email address [ ] SMTP server [25] Warn #weeks before a license expires [2]
	PayPerUse Filepath	Sets the path where the server will store the protocoll files for a PayPerUse license. The filename is: OL_<Licenser-Ident>_<YYYYMM>.ppu.	C:/Program Files (x86)/Optimum GmbH/OLicenseServer/
	Check In/Out Server	Sets the URL of the preferred server for license check in and out Format: <protocol>://<server>:<port> e.g. http://localhost:80	[ ]
	Preferred Server ID	The preferred server ID. Used by Floating, PayPerUse and optionally by NamedUser licenses. If it is not visible on the right side, one of the alternative IDs must be used.	[Export Server Info...]
	Alt. Server ID 1	Compound ID of network card information.	
	Alt. Server ID 2	ID of active network card.	
	U3 Smart Drive ID	The ID on the right side (if visible) can be used if you like to have a portable ID, i.e. the licenses for that ID are valid on any machine to which this U3 drive is connected.	

[Change the selected attributes now]

Adding or Updating Licenses

Via OLicense-Server-Control

Start the OLicense-Server-Control by Executing the OLicenseServerCtrl.lin **without** root privileges.

The server must already be running to import a license. If the server is not running, go to the Start/Stop tab and click Start Service or Start Local.

To import a license file, go to the License Import tab. Type the filename in the text-box or click ... to browse to the license-file. Click the Import License File Now button.
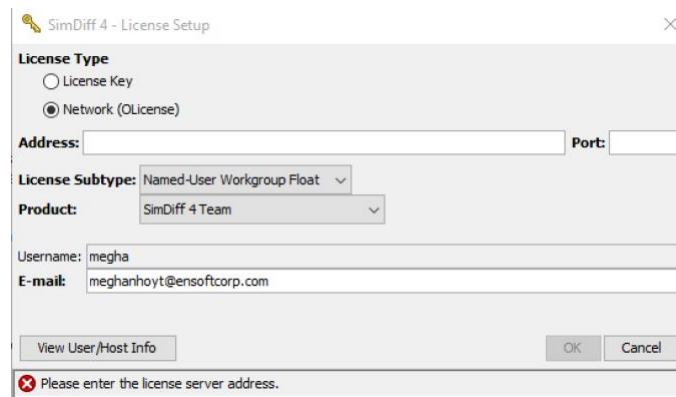
Via Web Interface

Browse to the OLicense-Server's web interface. This can be done directly from a web browser if you know the address and port of your server or via the Open Browser Frontend button in the Start/Stop tab of the OLicense-Server-Control.

In the License Import section there is a button labeled Browse…. Click the button and locate the license file (.olixml) file on your local machine that you wish to import.

After the file has been chosen, its location will be loaded into the text-box. Click on the Import Selected XML button. This causes OLicense-Server to import the license and activate it if it is valid.

License Settings in SimDiff

Each SimDiff installation must be configured to connect to the license server. From the SimDiff File menu, select License Setup.

1. License Type: Select "Network (OLicense)".
2. Address: Enter the license server address. The address may be either a name or an IP address; for example, myserver.example.com or 93.184.216.34.
3. Port: Enter the license server port. The default is 80. Refer to the section "Setting the Port Number" to change the server port number.
4. License Subtype: Select Node-Locked Workgroup Float or Named-User Workgroup Float. (A Workgroup Floating license can support a mixed pool of either named-user clients or node-locked clients.)

5. Product: Select the product that matches your SimDiff edition (SimDiff 4 Team, SimDiff 4 Professional, etc.).

Removing a License

Open the Browser front end and click on the "Administer Licenses…" button on the home page. Provide server admin login credentials if prompted. Locate the row for the license to be removed, and check the box in both the "unload" column and the "change" column. Press the "Change the selected licenses now" button at the bottom of the page.

If you have a server-locked license (e.g. a workgroup floating license), you will be given a deletion key. This key must be sent to EnSoft to verify license removal when transferring a server-locked license from one machine to another. Once the license has been verified to be removed, EnSoft will send a new license file that is locked to the new machine.

Monitoring and Managing Floating Licenses

View License Checkouts

Open the Browser front end and click on View Licenses button in the License Report Section. The *floating(in use)* column will show how many floating licenses are installed and how many are in use.

The Olicense server also maintains a server log in the OLicense installation directory. Default installation location is *C:\Program Files\Optimum GmbH\OLicenseServer*. The log file name starts with OL and has an extension of *.log*. Each time a floating license is allocated, it is logged in the file.

Manage Workgroup Floating License Users List

See the supplemental "Workgroup Floating License Management Guide" document