LICENSE4J FLOATING LICENSE SERVER USER GUIDE

VERSION 4.0

LICENSE4J

www.license4j.com

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Getting Started

Floating License Server runs as a service on Windows XP, 7, 8, Windows Server 2003, 2008, 2012, Linux and UNIX. The only requirement is Java runtime environment version 1.6+. It leases licenses generated with License4J License Manager to requesting users.
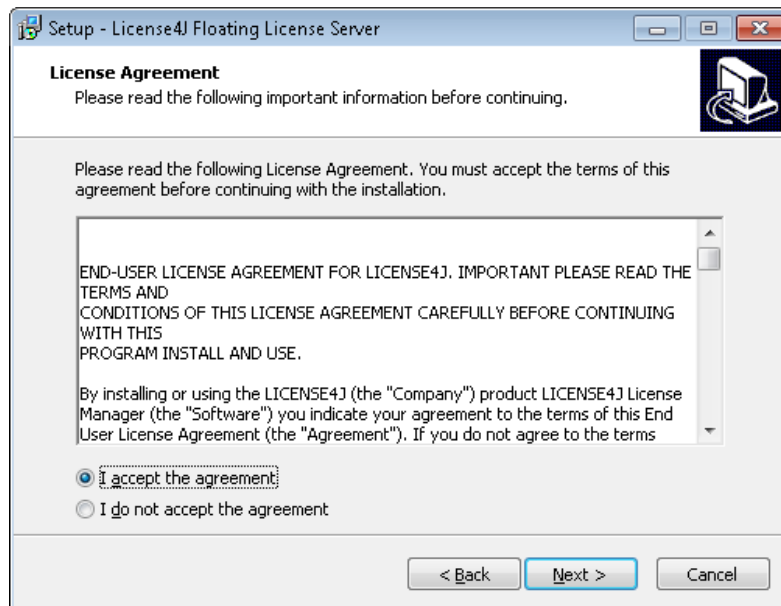
Installation

Floating License Server has an installer for Windows, Linux/UNIX version is a compressed package, it is enough to decompress and run a simple script on Linux/UNIX.
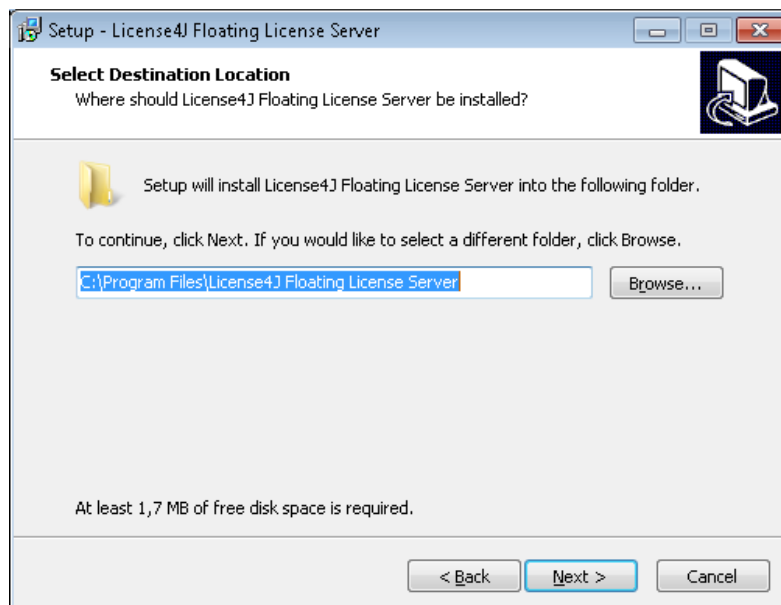
Windows Installation

Standard windows setup file is provided for Floating License Server installation on windows. Run setup file and continue with instructions.
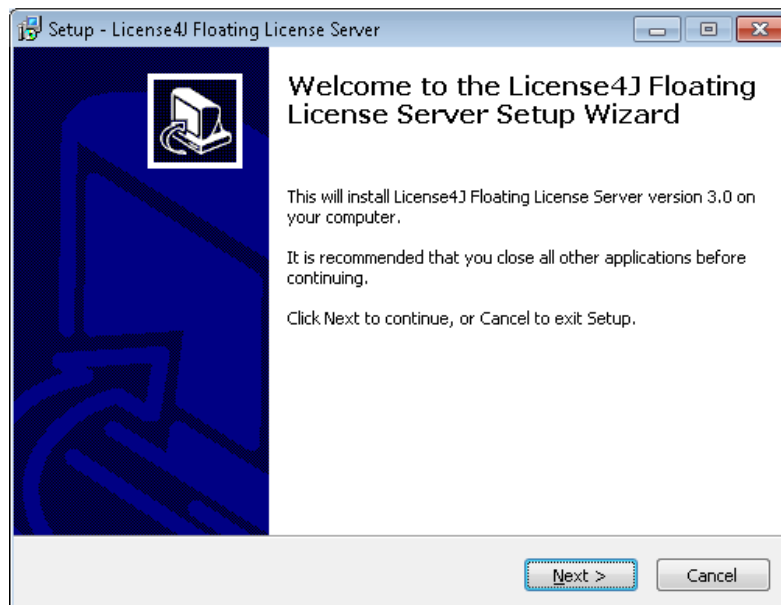
On this window you should accept the license agreement to continue.

Select or accept the installation folder.

Setup includes two components; first one is Floating License Server Installation, which installs license server service and management GUI tool. The second one is management GUI tool installation which installs only the management GUI tool.

If you are installing license server, select the Floating License Server Installation option as in the screenshot below.
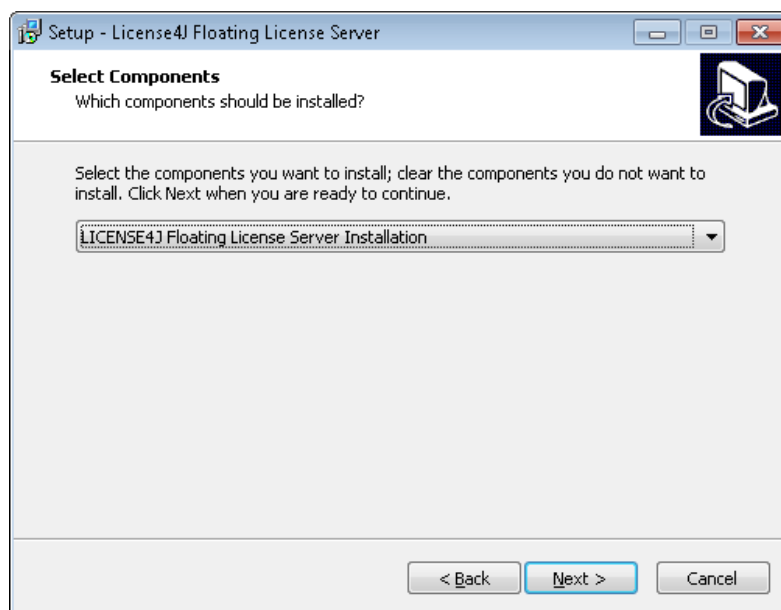
If you are installing on a management client select Floating License Server Management GUI Installation options as in the screenshot below. You can select this option for some users with administrator roles in your organization.
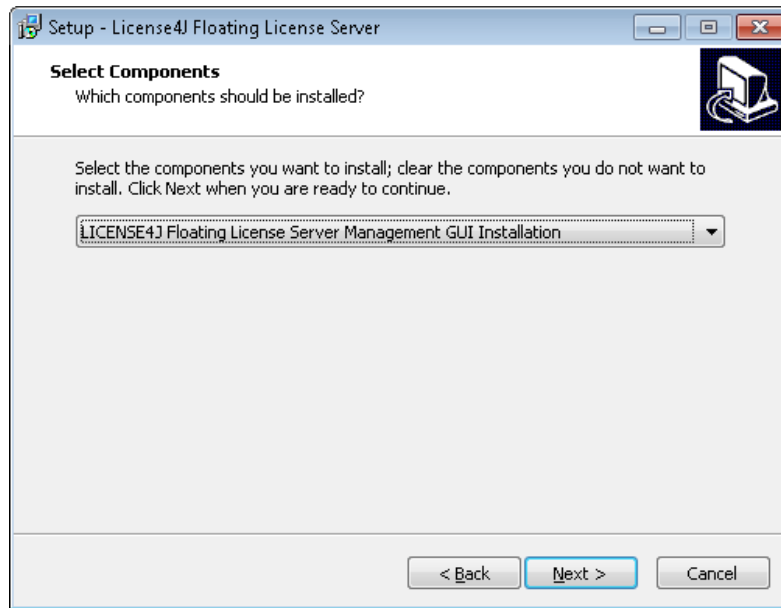
A screen giving a summary of installation appears. Then installation begins.
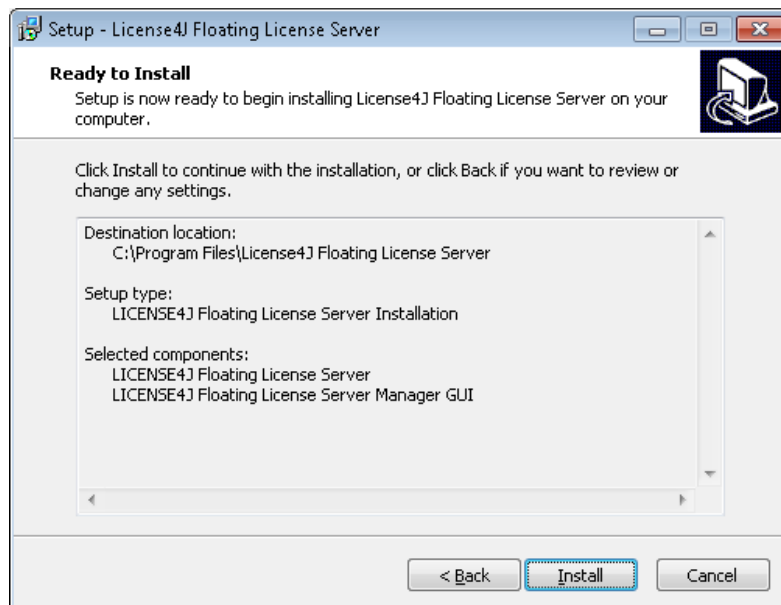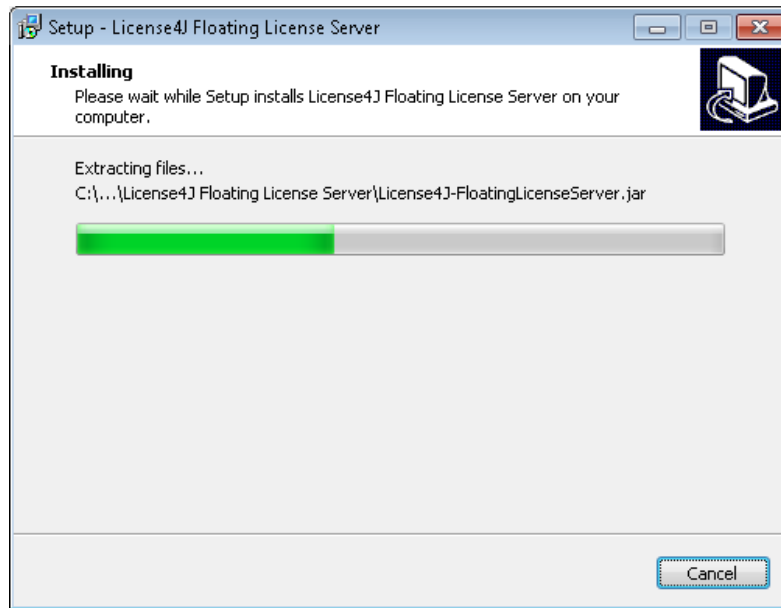
Installation completed.

After installation completed, all required files are copied and a windows service is installed. Start menu includes shortcut to License Server Administration GUI tool.

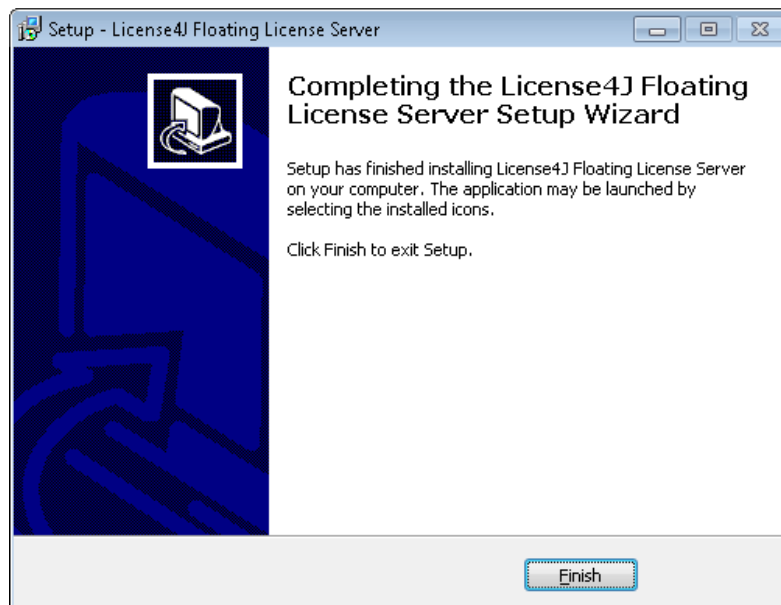## Linux Mac OS Installation

Linux installation process has two steps; first decompress *FloatingLicenseServer.zip* file; second set Java path and execute the service script.

Use standard gzip and tar commands to extract contents:

gzip -d floatinglicenseserver.tgz

tar –xvf floatinglicenseserver.tar

After extracting you will have the directory named as *floatinglicenseserver*. Copy or move this directory to any place on Linux/UNIX server like */usr/local/ floatinglicenseserver.*

Important: One important step is required for license server to run which is that you must edit **service.sh** and **gui.sh** file and set JAVA variable according to your system like below:

 # SET YOUR JAVA PATH HERE

#

JAVA=/usr/local/jdk1.6.0_11

Then run the *service.sh* with arguments *start*, *stop* or *restart* on Linux.

./service.sh stop: to start the license server.

./service.sh start: to stop the license server.

./service.sh restart: to re-start the license server.

For Mac OS operating system there is no service configuration available, it should be run directory from Jar file.

Mac OS command: *java –jar FloatingLicenseServer.jar start*

To start the management GUI tool, run the **gui.sh** script.

Floating License Server Manager

With Floating License Server Administration GUI tool, you can perform following tasks:

- Display installed licenses and active users obtained each license separately.
- Configure license server (only on local connections).
- Add and remove licenses.
- Display license details.
- Display floating license server hardware id.
- Get a basic license usage report.

After connecting to a license server you will see a window as below.
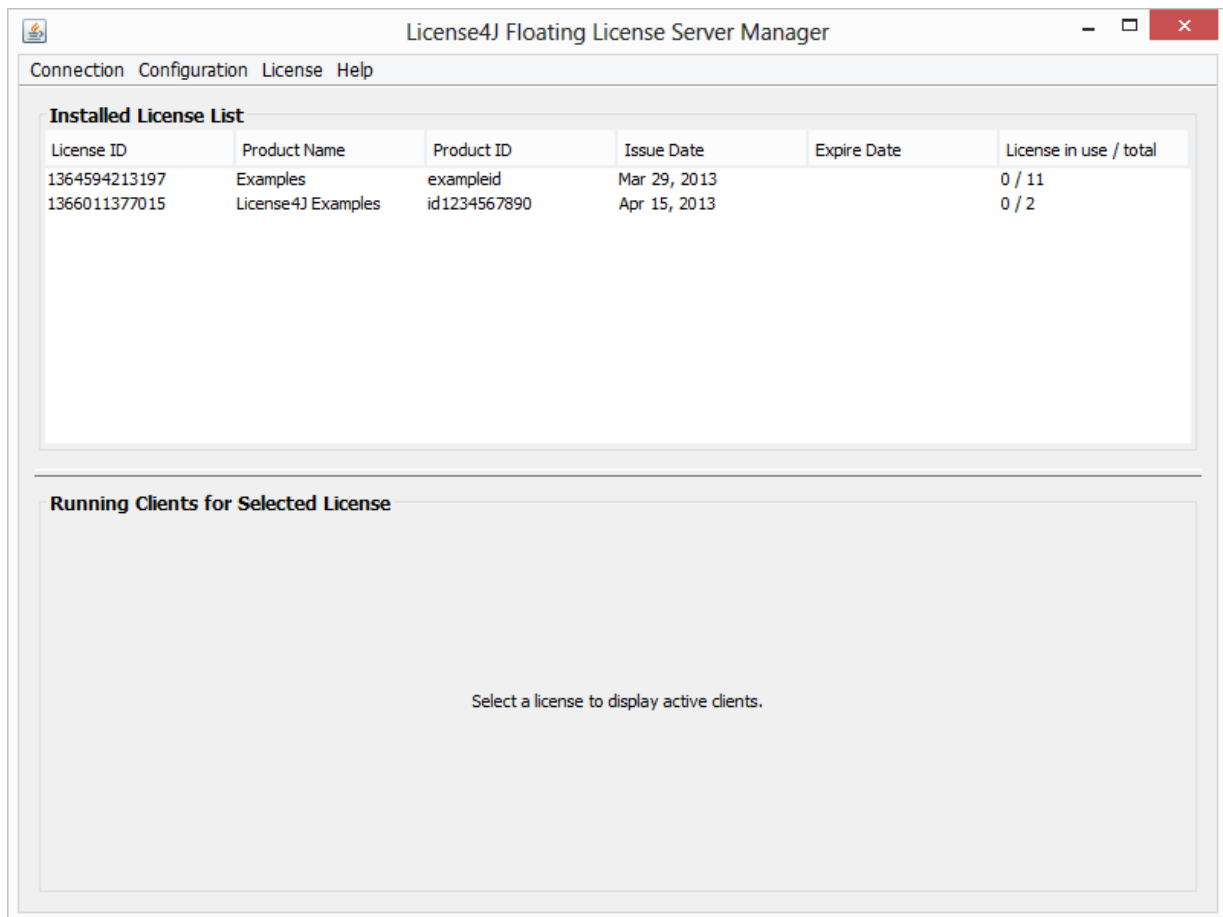
The window includes two tables. Upper table displays installed licenses; the bottom table is enabled when you click on a license and displays active users obtained the selected license.

If generated floating license allows running multiple instances of application on same host by same user, only one instance is displayed on the running clients table and one license is consumed, otherwise one license is consumed for each instance of running application. This feature prevents users to exceed floating license count by using same computer with the same user id.
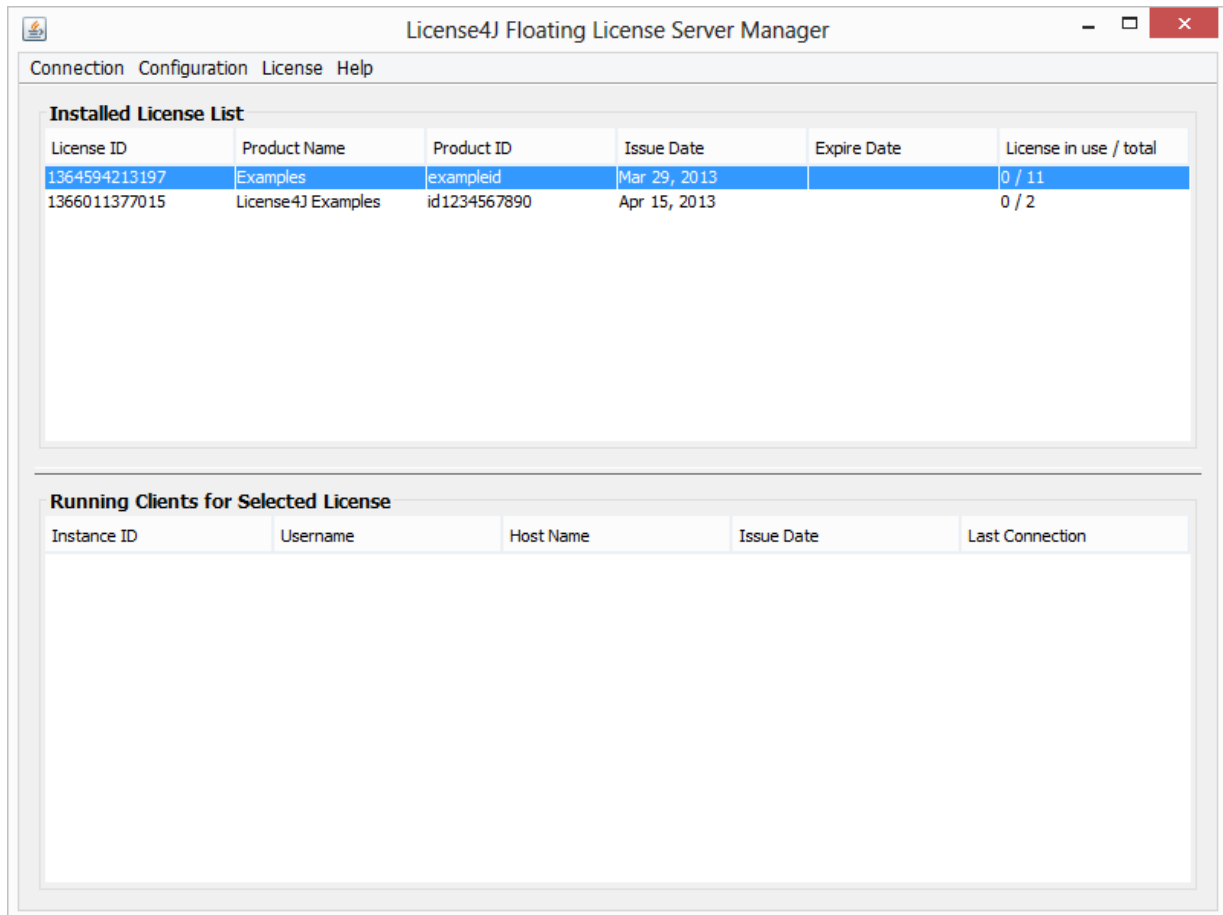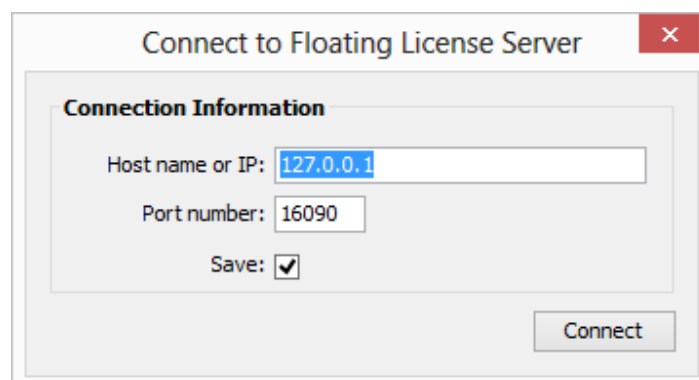
Both tables are refreshed on each 5 seconds, so when you install or delete a license you should wait at most 5 seconds to see the changes.

License Server Connection

The window below displayed when you run Floating License Server Manager.
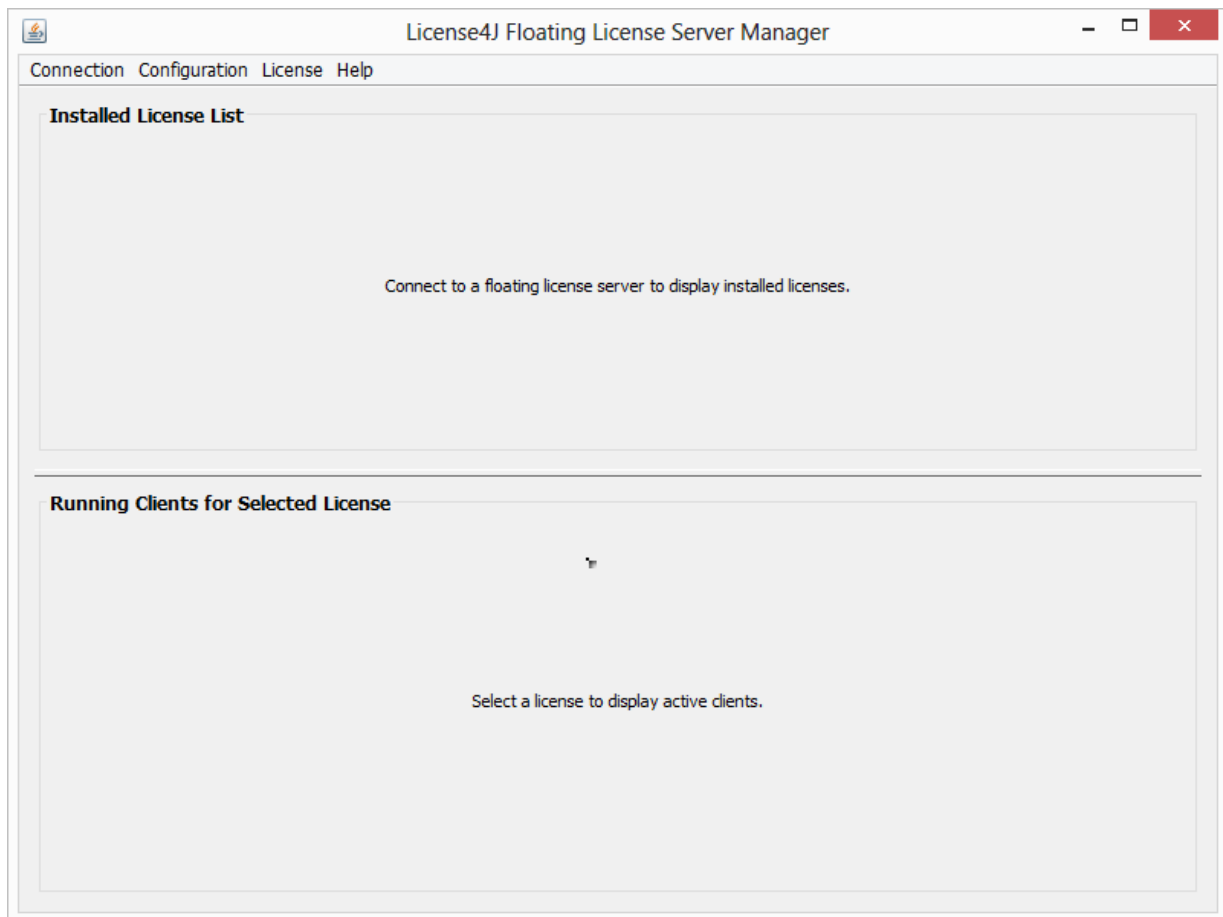
You should first connect to license server by using Connect menu item in Connection menu.
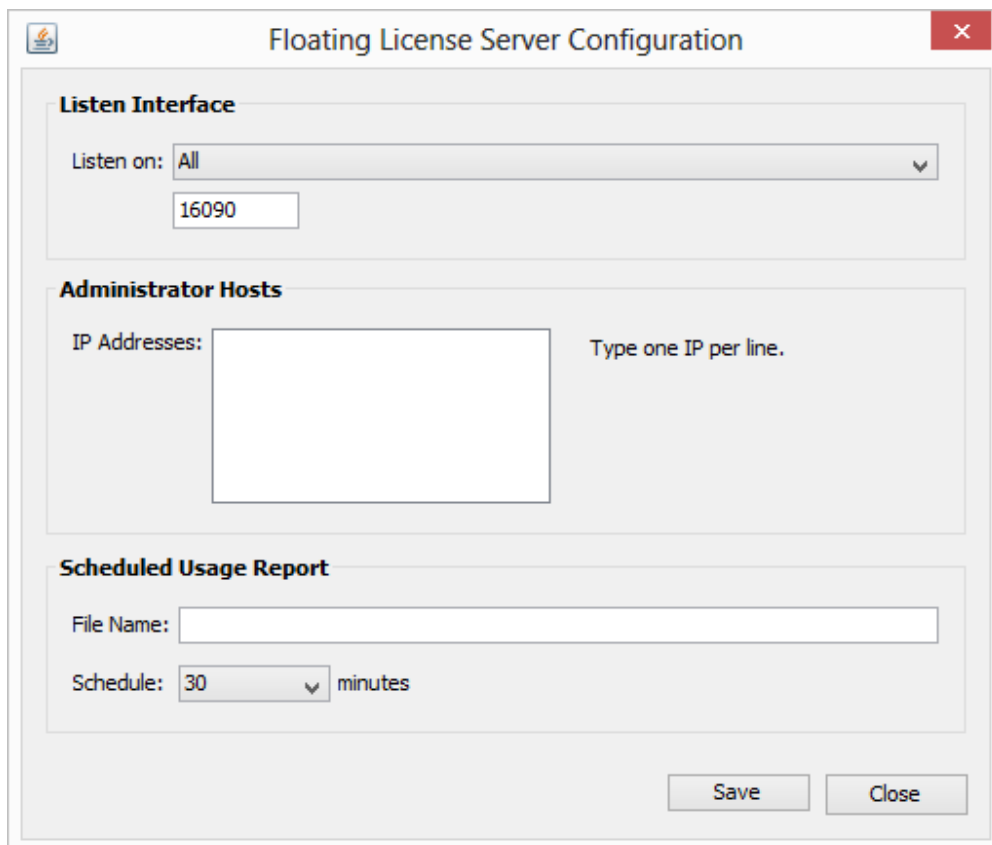
You should supply Hostname or IP address and port number, and if you like you can save connection info.

License Server Configuration

You can use Floating License Server Manager to configure server if you are running on the same machine with license server (connected through 127.0.0.1 or localhost).

The configuration window below will be displayed when you click on Server Configuration menu item.

In this configuration window, you can set interface for license server to listen on, and port number. By default license server listens on all interfaces and port number 16090. Administrator Hosts are defined in the text area with their IP addresses.

These hosts can use floating license server manager GUI and will have rights to install and delete licenses. When you click on save button, it will prompt you to restart license server service for changes to take effect.
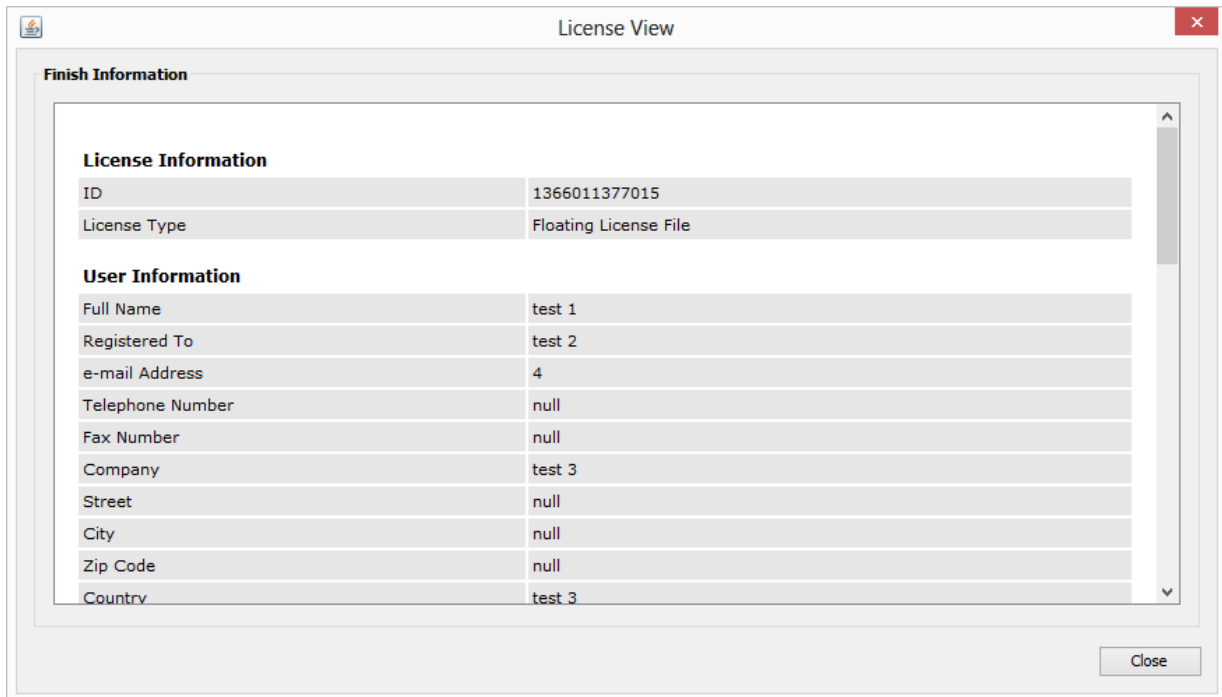
Adding and Removing Licenses

License file installation is performed with *Install New License* menu item in License menu. When you click on menu item, a file browser opens; when you select the license file, it is send to license server and installed if it pass license check.

Installed license file is only check for license server hardware id, other license checks is not performed because your license is validated only with your public key which is embedded in your software product.

You can delete an installed license with *Delete Selected License* menu item. Deleted license files cannot be recovered later.

Displaying License Details

Installed license details can be displayed with Display License menu item, or with a double click on license. A window with license details will come up as below.
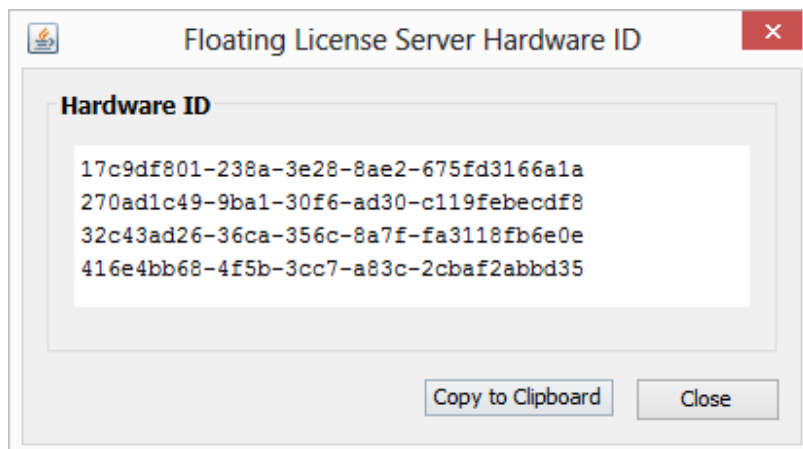
Displaying License Server Hardware IDs

Display Server Hardware ID menu item in License menu is used to get hardware IDs of floating license server. All available hardware ID types are displayed (hostname, Ethernet address, disk uuid, and hdd serial number), any of them or a combination can be used to generate a license.
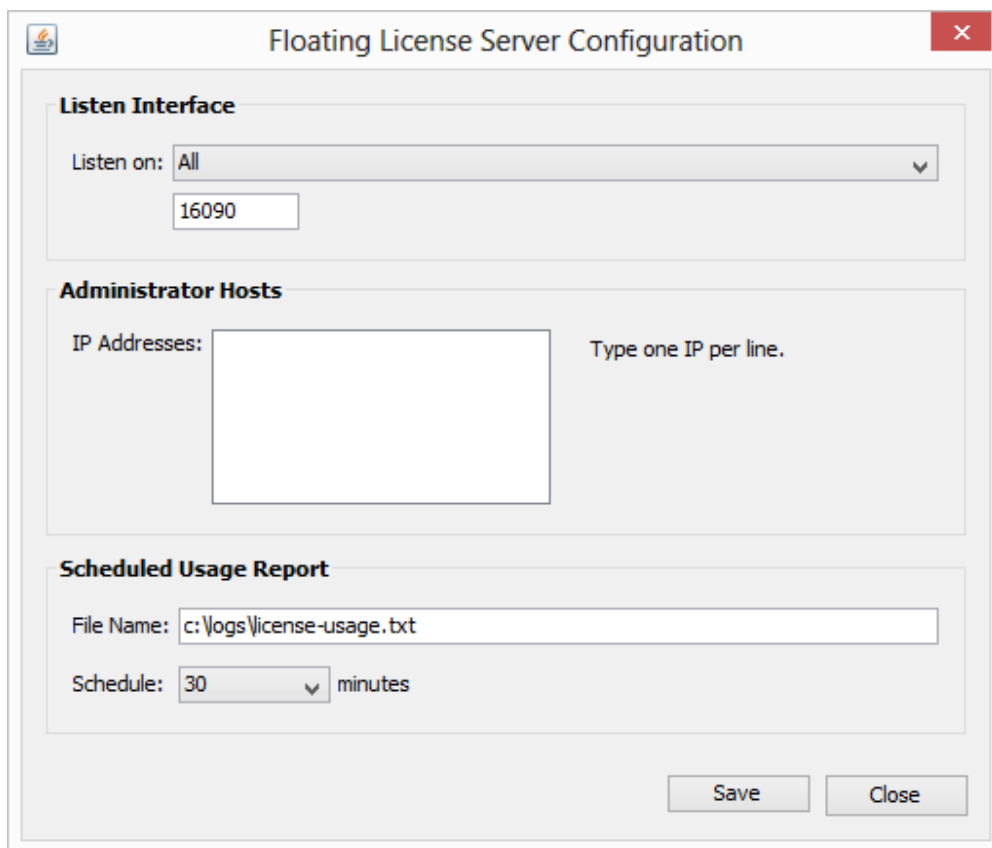
Basic License Usage Report

Save License Usage Report menu item in *License* menu save current license usage to a text file. Floating license server also saves usage report to a defined text file in selected periods if configured in server configuration window as in the screenshot below.

Floating License Server Customization (Windows)

Floating License Server can be fully customized, and localized to support languages other than English. Floating License Server Customization package is sent with e-mail when requested, it is free of charge. Package includes InnoSetup script to create your own custom installer, a Launch4J configuration file to create an exe file for administration gui, and sample customization files.

All string in server and administration gui can be changed with simple properties files, about box image is also defined in property file for administration gui.

There are two options to place custom properties files and about box image. The first option is to add custom properties files and about box image inside jar files (*FloatingLicenseServer.jar* and *FloatingLicenseServerAdmin.jar*); so they cannot be easily viewed by customers. The second option is to add files in a config directory in installation path.

Steps to customize are as follows.

1. Add *LocalizationAndCustomFile* keyword to *guiconfig.ini* and *serverconfig.ini* files and define custom properties files; *jar:* is a keyword to indicate that files are added inside jar file.

   Option1 inside jar: *LocalizationAndCustomFile=jar:mycustom.properties*
   Defined properties will be searched in
   /com/license4j/floatinglicenseserver/gui/resources for administration gui, and in */com/license4j/floatinglicenseserver/server/resources* for license server.

   Option 2 in config dir:
   LocalizationAndCustomFile=config/mycustom.properties
   Path is relative to installation path.

2. If you use option 1, use jar command or any compression tool like winzip or 7zip to add your custom properties files and about box image inside jar files and save.

3. If you use option 2, add your files inside your config directory and update InnoSetup script to include these new files.

4. (Optional) Update installService.bat and uninstallService.bat files if you want to change installed service name (default: Floating License Server)

5. Create setup file by running InnoSetup script.

Floating License Server Customization (Linux, Unix)

Floating License Server Linux/Unix download package does not have an installer, therefore copying custom properties files and updating shell scripts is sufficient for customization and localization. Configuration file keywords and format is same as in Windows package.

Floating License Server License

LICENSE4J Floating License Server is free to use and distribute with your product. You may use and distribute floating license server setup files with your product for installation by your customers.

END-USER LICENSE AGREEMENT can be found in EULA.txt file.

End of document.