

# Eclipse Passage Floating License Server Administration Guide

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# Overview

Eclipse Passage is a set of tools and libraries providing rich and easily adaptable capabilities to declare and control licensing constraints.

## Contribution

If you found a mistake in the text or just want to improve this user guide, feel free to contribute on [Github](#) repository.

Also we want to remind that Eclipse Passage is an open-source project, so you can always contribute to the project [itself](#).

## License

These materials are made available under the terms of the [Eclipse Public License 2.0](#).

## How floating licensing works

As opposed to personal licensing, where a user of a product-under-licensing gets their own license and hosts it close to the product for single use, floating licensing delegates actual license packs hosting and executing to a dedicated agent - **Floating License Server**.

This allows number of users to exploit their installations of the product simultaneously in the scope of a single floating license pack.

### Floating License Server

The Server, that is installed somewhere in the reach,

- hosts all floating license packs and
- responds to *give me permission to use this feature* requests from the product's users via http.

### Communication with the Server

The product

- asks the Server for a grant on a particular feature and,
- if succeed, proceeds with the feature and then,
- when it's over, releases the grant.

The Server can lease several grants for the same feature at the same time, as hosted floating licence packs permit.

## Full floating licensing workflow

There are four *actors* in the floating licensing workflow:

- *product development and management*, where
  - management *defines products, feature sets* and *product release plan* and
  - development
    - \* *declares licensing requirements* in the product codebase,
    - \* *covers feature usages with licensing protection*,
    - \* *configures the product to use Floating License Server*;
- *operator*, who issues a floating license pack and delivers it to client
- *agent*, who installs and runs a Floating License Server,
- *client* as a representative of set of the product *users*, who deploys personal part of the floating license pack.

# Floating license pack

# Install Floating License Server

# Run Floating License Server