Eclipse Passage
Floating License Server
Administration Guide

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ArSysOp

Contents

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

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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,

- *agent*, who installs and runs a Floating License Server,

- *client* as a representative of set of the product *users*, who deploys personal part of a *floating license pack*.

Floating license pack

Issue Floating license pack

Install Floating License Server

Run Floating License Server