

## Framework Definitions

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The OSGi specification has a number of implementations. Each implementation has a different set of base bundles, different ways to start them, and require different layout for the folder containing the binary bundles and their sources.

To cope with this diversity, Osmorc uses the notion of *framework integrators* and *framework instances*.

A *framework integrator* is used to integrate an instance of a specific framework implementation. Osmorc contains framework integrators for [Eclipse Equinox](#), [Knopflerfish](#), and [Apache Felix](#). An extension point for framework integrators is also available. So integrators for framework implementations that are not directly supported by Osmorc can be developed by third parties.

A *framework instance* is a concrete installation of a framework implementation. As framework instances are normally not installed in the folder structure of a project, a framework instance with a specific name can be installed in different locations under different installations of IntelliJ IDEA. A project only knows the name of the framework instance it uses. Osmorc creates the connection to the framework instance if it exists as soon as the project is opened.

The framework definitions known by the currently used IntelliJ IDEA installation are listed on the [OSGi](#) page of the [Settings](#) dialog box.

Framework definitions are added, edited, and removed in the [Framework Definitions](#) tab of the [OSGi](#) page.

### To define a new framework instance

1. Open the [project settings](#), click the **Osmorc** node, and switch to the **Framework Definitions** tab.
2. Click the **Add** button.
3. In the **Create New Framework Instance** dialog box that opens select the type of framework integrator, specify a unique name and the base folder for the framework instance.

Please, refer to the descriptions of various framework integrators to find out what requirements this folder should meet.

### See Also

Reference:

- [OSGi](#)
- [OSGi: Framework Instances](#)

Web Resources:

- [Developer Community](#) 