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## ***JOnAS 5 integration***

Introduction

The key aspect of the integration of JOnAS with Petals will be the new OSGi based services architecture.

- The first step: JOnAS needs to provide a JBI container, to achieve this goal, Petals should be packaged as a JOnAS service within an (or several) OSGi bundle. This is what is described below.
- Second step (more long term): Petals may also be considered as a set of basic services, some of them relying on some resources provided by JOnAS, so why not decomposing Petals into a set of OSGi bundles, some of them, like the JORAM one, may be common with JOnAS; this way, JOnAS becomes not only a Java EE platform, but a multi-purpose platform, including a JBI infrastructure.

We will first focus on the first step, including some management aspects, i.e. accessing to some Petals management features from JONAS management console and from [JASMINe](#). Providing Petals as a OSGi bundle

- JOnAS 5 is based on OSGi, each service is delivered as a bundle. For integrating Petals into JOnAS, it has to be delivered as a OSGi bundle too.

Administration from jonasAdmin

- JORAM-like : jonasAdmin console contains a joramPlatform node which allows to walk through the JORAM network. It would be interesting to have a similar node for petals (petalsPlatform) enabling to browse the different petals nodes and their content.

Administration from JASMINe

- [JASMINe](#) is an administration tool for SOA platform. The petals support is planned and the work will start by the end of march.

Providing specific/extra annotations for accessing to the JBI resources (connectors, services)

- Java EE provides annotations for simplifying the application development. The set of standards annotations could be extended for permitting to connect the J2EE application with the JBI objects.

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