

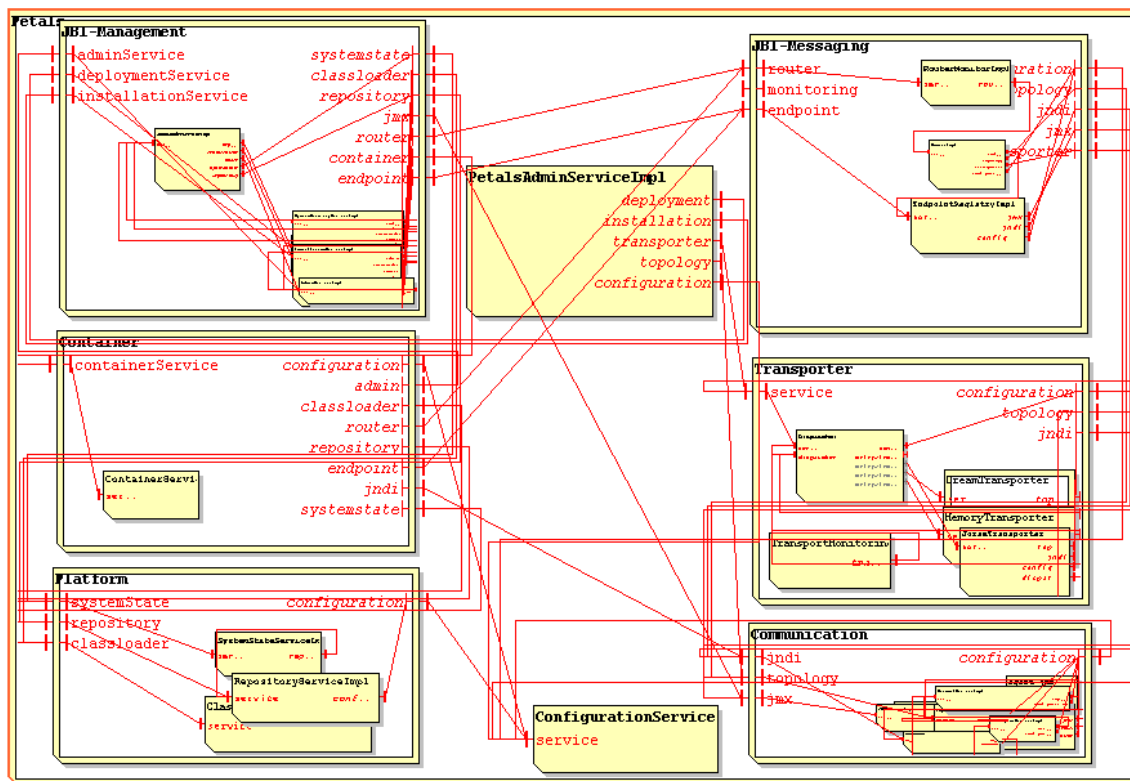
# ObjectWeb - Petals - Architecture - WebHome

## [Architecture](#)

Kernel Architecture (version 2.1)

### petals/petals-core/petals-kernel project

The kernel is a component-architecture based application. The framework used to connect the various components of the application is [FRACTAL](#)



The kernel is bootstrapped with a different assembly of its components, depending on the distribution (hosted in a J2EE server, integration server mode, networked infrastructure...)

The assembly is described in Fractal configuration files :

- *petals/petals-distribution/petals-platform/src/main/resources project*
- *petals/petals-distribution/petals-standalone/src/main/resources project*

"Petals" composite The global composite of the kernel is **Petals**. This composite is started when the application starts. The **Petals** composite is composed of several composites and components :

- [JBI-Management composite](#) contains the Management part of the JBI specification (InstallationService, DeploymentService...)
- [Container composite](#)
- [JBI-Messaging composite](#) contains the N.M.R. part of the JBI specification (message routing, business services management...)
- [Platform composite](#) contains components that interact with the system (repository, classloader...)
- [Communication composite](#) contains agents for communication (jndi, jmx...) and communication services (jmxService, jndiService,...)
- [Transport composite](#)
- ConfigurationService component
- PetalsAdminService component : the PETALS server administration service

## **"Configuration Service" component**

This component is used for...

It is used by XXX component for ... getContainerConfiguration():ContainerConfiguration bla bla bla  
getDomainConfiguration():DomainConfiguration getStaticTopology():Topology  
setContainerState(ContainerConfiguration.ContainerState state)  
verifyContainerTopology(ContainerConfiguration,DomainConfiguration)

## **"PetalsAdmin Service" component**

blabla

---

JBI Fonctionnalités

[Installation of JBI components](#)

[Deployment of artifacts](#)

[Administration of components](#)

[Sending a message](#)

[Message Exchange](#)

## **Container Features**

[Distributed Mode](#)

## **JBI Components Fonctionnalités**

[Registration of external services with ServiceAssembly](#)

## **Security**

TODO (certificate handling)...

## **Monitoring**

[monitors and interceptors](#)

[Architecture](#) (en)

Creator: xwiki:XWiki.ddesjardins Date: 2006/07/25 10:43

Last Author: xwiki:XWiki.adrien Date: 2008/01/31 16:38

Copyright (c) 2005-2006, [ObjectWeb Consortium](#) | Work licensed under a [Creative Commons Attribution-Share Alike 2.5 License](#)