

# JBoss AS Administration Console

Version 1.3.2

A few months ago the JBoss Application Server Administration Console, a.k.a. [Embedded JOPR](#), was introduced to the community providing an easily accessible administration interface for managing and modifying applications and system resources of a single JBoss AS server instance. These management capabilities are still available out-of-box and with the release of [JBoss AS 6.0.0.M1](#) there are new features to highlight with the admin-console update to Version 1.3.2. These new features include:

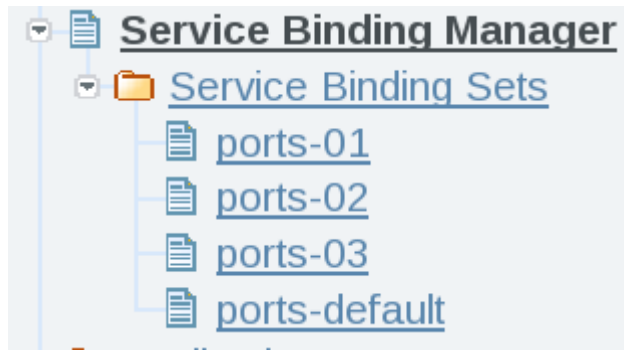
- **Monitor all standard JVM metrics and execute operations**
  - View JVM metrics including virtual memory utilization
  - Execute operations such as garbage collection and thread dumps of daemon and non-daemon threads
  - Memory Pool Metrics
  - Metrics of classes loaded in the VM
  - Logger Appenders



The screenshot displays the JBoss AS Admin Console interface. The top navigation bar shows the JBoss logo and the text "JBoss AS Admin Console". The left sidebar contains a tree view of the system structure, including "localhost.localdomain", "JBossAS Servers", "JBoss AS 6 (default)", "JBoss AS JVM", "Operating system information", "Threading", "Memory Subsystem", "Compilation", "Class Loading", "Logging", "Service Binding Manager", and "Service Binding Sets". The main content area is titled "JBoss AS JVM" and features a breadcrumb trail: "localhost.localdomain : JBossAS Servers : JBoss AS 6 (default) : JBoss AS JVM". Below the title are five tabs: "Summary" (selected), "Configuration", "Metrics", "Control", and "Content". The "Summary" tab displays "General Properties" with the following details: "Name: JBoss AS JVM", "Version: 1.6.0\_14", and "Description: JVM of the JBossAS".

- **Persistent Configuration Changes for Service Binding Manager**

The Service Binding Manager coordinates which ports JBoss Application Server instance listens on when it starts up. Simply navigate to Service Binding Manager from the navigation pane:



There are four port sets defined:

- ports-default – You can view the standard port settings from the Control tab of the ports-default resource panel by clicking on DISPLAY BINDINGS.

### Display Bindings

Displays the full set of bindings as they would look if this bindings set was active.

- ports-01 – Standard ports incremented by 100.
- ports-02 – Standard ports incremented by 200.
- ports-03 – Standard ports incremented by 300.

Note any changes to Service Binding Manager will require a restart of the Application Server.

## ● JBoss Cache Metrics and Control Operations

If you are running the 'all' configuration or a customized configuration based on 'all', the JBoss Cache instances of the running server are shown. Various Metrics and Control operations available for the cache instances are easily accessible from the main tabs of the resource panel.

JBoss AS Admin Console

Welcome admin [Logout]

JBoss Caches

DefaultPartition-HAPartitionCache

- Interceptor
- Data Container
- RPC Manager
- RegionManager
- Transaction Table
- Tx Interceptor

ha-partition

- Cache
- Interceptor
- Data Container
- RPC Manager
- RegionManager
- Transaction Table
- Tx Interceptor

localhost.localdomain : JBossAS Servers : JBoss AS 6 (all) : JBoss Caches

### JBoss Cache

Summary Configuration Metrics Control Content

The JBoss Cache instances on this server

No actions available

Name	Status	Actions
DefaultPartition-HAPartitionCache	UP	
ha-partition	UP	

Total:2

- **Script Execution**











Scripts in the server 'bin' directory are now available for execution via the Administration Console.

## Script

Summary Configuration Metrics Control Content

provides the ability to execute a script that performs some task related to its parent JBossAS server

No actions available

Name	Status	Actions
 <a href="#">classpath.sh</a>	UP	
 <a href="#">jboss_init_hpux.sh</a>	UP	
 <a href="#">jboss_init_redhat.sh</a>	UP	
 <a href="#">jboss_init_solaris.sh</a>	UP	
 <a href="#">jboss_init_suse.sh</a>	UP	
 <a href="#">password_tool.sh</a>	UP	
 <a href="#">probe.sh</a>	UP	
 <a href="#">run.sh</a>	UP	
 <a href="#">shutdown.sh</a>	UP	
 <a href="#">twiddle.sh</a>	UP	

If you haven't tried it yet, [download](#) JBoss AS 6.0.0.M1 now. The administration console is bundled with the 'default' and 'all' server configurations. Once downloaded, start a JBoss AS server instance and simply point your browser of choice to:

<http://localhost:8080/admin-console>

Enter 'admin' for the **Username** and **Password** when prompted on the Login screen.

**Welcome to the JBoss AS  
Administration Console.**

**Please login to proceed.**

Username

Password

The [Admin Console Quick Start Guide](#) is being updated to include a broader overview of these new features but is still a convenient reference to get you started and to highlight other administrative tasks available. Be sure to check out the [Embedded JOPR](#) and [JBoss Application Server](#) project pages. If you have multiple JBoss AS 5.1.0.GA or 6.0.0 instances to manage, check out the [JOPR](#) project which the enterprise product [JBoss Operations Network](#) is based.

#### About the Author

[Shelly McGowan](#) is a member of the JBoss AS development team working out of the Westford, Massachusetts Engineering Center. Her work on the EMBJOPR project focused on the test design and development strategy using [JSFUnit](#). The tests are included as part of the EMBJOPR project. More information on the test design can be seen on the [EMBJOPR QA](#) wiki.