

JBoss

JBoss application server module

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1. Overview

[Open in Workbench](#)

JBoss: *JBoss application server module*

2. Design

Super Type Service

Role	Concrete. (Objects can be created.)
Instance Names	Unique
Notification	false
Template Directory	<code>\${modules.dir}/JBoss/templates</code>
Data View	Children, proximity: 1
Logger Name	JBoss

3. Constraints

3.1. Allowed Child Dependencies

- Ear
- [JBossSetting](#)

3.2. Allowed Parent Dependencies

- AppServerCollection
- Node
- Site

3.3. Allowed Property Values

Property	Allowed Values	Default	Enforced
deployment-basedir	• <code>\${entity.attrib</code>	• <code>\${entity.attrib</code>	false
deployment-install-root	• <code>\${user.home}/jb</code>	• <code>\${user.home}/jb</code>	false

4. Attributes

4.1. Exported Attributes

Name	Property
jboss_basedir	deployment-basedir
jboss_install_root	deployment-install-root

5. Commands

Note:

Commandline options displayed in square brackets "[]" are optional. If an option expects arguments, then angle brackets are shown after the option "<>". Any default value is shown within the brackets.

5.1. Configure

Configures the jboss server instance

Usage

Configure

5.1.1. Workflow

1. [Docs-Generate](#)

5.2. Docs-Generate

creates directories required for jboss operation

Usage

```
Docs-Generate [-ajpPort <>] [-basedir <>] [-bindAddr <>]
[-httpPort <>] [-install_root <>] [-jboss_version <>]
[-jnpPort <>] [-jrmp_rmi_object_port <>] [-naming_rmi_port
<>] [-overwrite <false>] [-pooled_server_bind_port <>]
[-uil2_server_bind_port <>] [-ws_port <>]
```

5.2.1. Options

Option	Description
ajpPort	<i>embedded tomcat ajp port</i>

basedir	<i>base directory of the jboss server instance</i>
bindAddr	<i>address jboss server binds to</i>
httpPort	<i>jboss http server port</i>
install_root	<i>installation root of the jboss server</i>
jboss_version	<i>version of the jboss server package</i>
jnpPort	<i>jboss naming service port</i>
jrmprmi_object_port	<i>RMI server socket listening port number</i>
naming_rmi_port	<i>naming rmi port</i>
overwrite	<i>overwrite the configuration if true</i>
pooled_server_bind_port	<i>jboss pooled server bind port</i>
uil2_server_bind_port	<i>jboss uil2 server bind port</i>
ws_port	<i>jboss web services port</i>

5.3. killService

kills the jboss server process

Usage

killService [-basedir <>]

Execution	bash
Arguments	ps auxww grep java grep `basename \${opts.basedir}` grep -v grep awk '{print \$2}' xargs kill -9

5.3.1. Options

Option	Description
basedir	<i>base directory of the jboss server instance</i>

5.4. packages-code-install

installs all the code package dependencies

Usage

packages-code-install [-packagetype

```
<[^.]*(?:(!Configuration))[^.]*>
```

5.4.1. Options

Option	Description
packagetype	<i>regular expression of packages to include</i>

5.5. packages-config-install

installs all the Configuration package dependencies

Usage

```
packages-config-install [-packagetype  
<[^.]*Configuration[^.]*>
```

5.5.1. Options

Option	Description
packagetype	<i>regular expression of packages to include</i>

5.6. Packages-Install

Installs all package dependencies

Usage

```
Packages-Install
```

5.6.1. Workflow

1. [packages-code-install](#)
2. [packages-config-install](#)

5.7. Start

Conditionally starts the JBoss Server

Usage

```
Start
```

5.7.1. Workflow

1. [assertServiceIsUp](#)

5.7.2. Error Handler

Command	startServiceWrapper
---------	-------------------------------------

5.8. assertServiceIsUp

Checks if jboss is running

Usage

```
assertServiceIsUp [-basedir <base directory of the jboss
server instance>] [-httpPort <jboss http server port>]
```

5.8.1. Options

Option	Description
basedir	<i>server base dir</i>
httpPort	<i>http port number to check</i>

5.9. startServiceWrapper

wraps the jboss start procedure and waits for start event

Usage

```
startServiceWrapper
```

5.9.1. Workflow

1. [startService](#)
2. [waitForStartEvent](#)

5.10. startService

asynchronously executes the jboss start command

Usage

```
startService [-atg_data_dir <>] [-basedir <>]
[-dynamo_modules <>] [-javaHome <>]
```

5.10.1. Options

Option	Description
atg_data_dir	<i>jboss atg data directory path</i>
basedir	<i>base directory of the jboss server instance</i>
dynamo_modules	<i>comma separated list of atg dynamo modules to</i>

	<code>load</code>
<code>javaHome</code>	<code>JAVA_HOME</code>

5.11. waitForStartEvent

waits for a startup even of an asynchronously started jboss service

Usage

`waitForStartEvent`

5.12. Stop

Conditionally stops the JBoss Server

Usage

`Stop`

5.12.1. Workflow

1. [assertServiceIsDown](#)

5.12.2. Error Handler

Command	stopServiceWrapper
---------	------------------------------------

5.13. assertServiceIsDown

Checks if jboss is not running

Usage

`assertServiceIsDown [-httpPort <jboss http server port>]`

5.13.1. Options

Option	Description
<code>httpPort</code>	<i>http port number to check</i>

5.14. stopServiceWrapper

wraps the jboss stop procedure and waits for stop event

Usage

`stopServiceWrapper`

5.14.1. Workflow

1. [stopService](#)
2. [waitForStopEvent](#)

5.14.2. Error Handler

Command	killService
---------	-----------------------------

5.15. stopService

executes the jboss stop command

Usage

```
stopService [-install_root <>] [-javaHome <>] [-jnpPort <>]
```

5.15.1. Options

Option	Description
install_root	<i>installation root of the jboss server</i>
javaHome	<i>JAVA_HOME</i>
jnpPort	<i>jboss naming service port</i>

5.16. waitForStopEvent

waits for a stop event of a jboss service

Usage

```
waitForStopEvent [-httpPort <>] [-maxwait <60>]
```

5.16.1. Options

Option	Description
httpPort	<i>boss http server port</i>
maxwait	<i>maximum time in seconds to wait for stop event</i>

5.17. Update

Executes the JBoss Server Update procedure

Usage

Update

5.17.1. Workflow

1. [Stop](#)
2. [Packages-Install](#)
3. [Start](#)

6. Related Types

The following types are defined for use with JBoss.

6.1. JBossSetting

6.1.1. Overview

[Open in Workbench](#)

JBossSetting: *A JBoss Setting*

6.1.2. Design

Super Type
Setting

Role	Abstract. (Objects cannot be created.)
Instance Names	Unique

6.1.3. Constraints

6.1.3.1. Allowed Parent Dependencies

- [JBoss](#)

6.2. JBossJavaHome

6.2.1. Overview

[Open in Workbench](#)

JBossJavaHome: *JAVA_HOME for JBoss*

6.2.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.2.3. Attributes**6.2.3.1. Exported Attributes**

Name	Property
java_home	settingValue

6.3. JBBindAddr**6.3.1. Overview**[Open in Workbench](#)**JBBindAddr:** *JBoss Bind Address***6.3.2. Design****Super Type**[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.3.3. Attributes**6.3.3.1. Exported Attributes**

Name	Property
bindAddr	settingValue

6.4. JBConfiguration**6.4.1. Overview**[Open in Workbench](#)**JBConfiguration:** *The name of an JBoss Configuration*

6.4.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.4.3. Attributes

6.4.3.1. Exported Attributes

Name	Property
jboss_configuration	settingValue

6.5. JBJnpPort

6.5.1. Overview

[Open in Workbench](#)

JBJnpPort: *The name of an JBoss Configuration*

6.5.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.5.3. Attributes

6.5.3.1. Exported Attributes

Name	Property
jnpPort	settingValue

6.6. JBJrmpRmiObjectPort

6.6.1. Overview

[Open in Workbench](#)

JB JrmpRmiObjectPort: *JBoss JRMP RMI Object Port*

6.6.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.6.3. Attributes

6.6.3.1. Exported Attributes

Name	Property
jboss_jrmp_rmi_object_port	settingValue

6.7. JBNamingRmiPort

6.7.1. Overview

[Open in Workbench](#)

JBNamingRmiPort: *JBoss Naming RMI Object Port*

6.7.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.7.3. Attributes

6.7.3.1. Exported Attributes

Name	Property
jboss_naming_rmi_port	settingValue

6.8. JBPooledServerBindPort

6.8.1. Overview

[Open in Workbench](#)

JBPooledServerBindPort: *JBoss Pooled Server Bind Port*

6.8.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.8.3. Attributes

6.8.3.1. Exported Attributes

Name	Property
jboss_pooled_server_bind_port	settingValue

6.9. JBTcAjpPort

6.9.1. Overview

[Open in Workbench](#)

JBTcAjpPort: *Embedded Tomcat/JBoss AJP Port*

6.9.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.9.3. Attributes

6.9.3.1. Exported Attributes

Name	Property
ajpPort	settingValue

6.10. JBTcHttpPort

6.10.1. Overview

[Open in Workbench](#)

JBTcHttpPort: *JBoss HTTP Port*

6.10.2. Design

Super Type
[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.10.3. Attributes

6.10.3.1. Exported Attributes

Name	Property
httpPort	settingValue

6.11. JBUIL2ServerBindPort

6.11.1. Overview

[Open in Workbench](#)

JBUIL2ServerBindPort: *JBoss UIL2 ServerBind Port*

6.11.2. Design

Super Type
[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.11.3. Attributes

6.11.3.1. Exported Attributes

Name	Property
jboss_uil2_server_bind_port	settingValue

6.12. JBWSPort

6.12.1. Overview

[Open in Workbench](#)

JBWSPort: *JBoss WebServices Port*

6.12.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.12.3. Attributes

6.12.3.1. Exported Attributes

Name	Property
jboss_ws_port	settingValue

6.13. JBossDocumentRoot

6.13.1. Overview

[Open in Workbench](#)

JBossDocumentRoot: *JBoss Document Root*

6.13.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.13.3. Attributes

6.13.3.1. Exported Attributes

Name	Property
documentRoot	settingValue

6.14. DataDir

6.14.1. Overview

[Open in Workbench](#)

DataDir: *Directory path to Data dir*

6.14.2. Design

Super Type
[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.14.3. Attributes

6.14.3.1. Exported Attributes

Name	Property
atg_data_dir	settingValue

6.15. DynamoModules

6.15.1. Overview

[Open in Workbench](#)

DynamoModules: *Directory path to Data dir*

6.15.2. Design

Super Type

[JBossSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.15.3. Attributes

6.15.3.1. Exported Attributes

Name	Property
atg_dynamo_modules	settingValue