

JBossServer

An ATG JBoss application server

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1. Overview

JBossServer: *An ATG JBoss application server*

2. Design

Super Type Service

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

3. Constraints

3.1. Allowed Child Dependencies

- [JBossEar](#) 1
- [JBossSetting](#)
- [JBossZip](#) 1
- [Rdb](#) 1

1: These types have a *Singleton* constraint. Only one instance may be added as a resource.

3.2. Allowed Parent Dependencies

- 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

oot}/server/

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4. Attributes

4.1. Exported Attributes

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

4.2. Defaults for Imported Attributes

Name	Default
atg_jvm_maxheap	-Xmx256m
atg_jvm_minheap	-Xms256m
documentRoot	\${entity.attribute.jboss_basedir}/deploy/jbossweb-tomcat55.sar/RC
java_home	\${env.JAVA_HOME}
javaOpts	
jboss_extract_ear	false
port_config	ports-default
timezone	US/Pacific

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. Docs-Generate

creates directories required for jboss operation

Usage

```
Docs-Generate [-atg_data_dir <>] [-basedir <>]
[-install_root <>] [-java_home <>] [-javaopts <>]
[-jboss_version <>] [-jvm_max_perm_size <>] [-jvm_maxheap
```

```
<>] [-jvm_minheap <>] [-jvm_perm_size <>] [-overwrite  
<false>] [-port_config <>] [-timezone <>]
```

Options

Option	Description
atg_data_dir	<i>ATG-Data directory</i>
basedir	<i>base directory of the jboss instance</i>
install_root	
java_home	<i>JAVA_HOME</i>
javaopts	<i>the java options</i>
jboss_version	<i>version of the jboss server package</i>
jvm_max_perm_size	<i>jre max_perm_size setting</i>
jvm_maxheap	<i>JAVA_HOME</i>
jvm_minheap	<i>jre minheap setting</i>
jvm_perm_size	<i>jre perm_size setting</i>
overwrite	<i>overwrite the configuration if true</i>
port_config	<i>jboss binding port configuration</i>
timezone	<i>the time zone</i>

5.2. Docs-Register

Experimental: registers configuration documents required for jboss operation

Usage

```
Docs-Register [-basedir <>] [-install_root <>]  
[-jboss_version <>]
```

Options

Option	Description
basedir	<i>base directory of the jboss instance</i>
install_root	
jboss_version	<i>version of the jboss server package</i>

5.3. Docs-Baseline

Experimental: Creates a baseline for the configuration documents required for jboss operation

Usage

Docs-Baseline [-basedir <>] [-install_root <>] [-overwrite]

Options

Option	Description
basedir	<i>base directory of the jboss instance</i>
install_root	<i>the jboss installation root directory</i>
overwrite	<i>Overwrite existing baseline copies</i>

5.4. Docs-Verify

Experimental: Verifies the configuration documents required for jboss operation

Usage

Docs-Verify [-basedir <>] [-install_root <>]

Options

Option	Description
basedir	<i>base directory of the jboss instance</i>
install_root	<i>the jboss installation root directory</i>

5.5. Configure

Run the configuration cycle for the deployment.

Usage

Configure

5.5.1. Workflow

1. [Docs-Generate](#)
2. [Docs-Baseline](#)

5.6. killService

kills the jboss server process

Usage

```
killService [-basedir <>] [-install_root <>] [-killwait <2>]
```

Options

Option	Description
basedir	<i>base directory of the jboss instance</i>
install_root	<i>installation root of the jboss server</i>
killwait	<i>number of seconds to wait to check if PIDs still exist after kill</i>

5.7. packages-code-install

installs all the code package dependencies

Usage

```
packages-code-install [-packagetype  
<[^\.]*(?:(!Configuration))[\^\.]*>]
```

Options

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

5.8. packages-config-install

installs all the Configuration package dependencies

Usage

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

Options

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

5.9. Start

Conditionally starts the JBoss Server

Usage

```
Start
```

5.9.1. Workflow

1. [assertServiceIsUp](#)

5.9.2. Error Handler

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

5.10. assertServiceIsDown

Check whether JBoss is down

Usage

```
assertServiceIsDown [-basedir <>] [-install_root <>]
[-port_config <>]
```

Options

Option	Description
basedir	<i>base directory of the jboss instance</i>
install_root	
port_config	<i>jboss binding port configuration</i>

5.11. assertServiceIsUp

Check whether JBoss is up

Usage

```
assertServiceIsUp [-basedir <>] [-install_root <>]
[-port_config <>]
```

Options

Option	Description
basedir	<i>base directory of the jboss instance</i>
install_root	
port_config	<i>jboss binding port configuration</i>

5.12. startServiceWrapper

wraps the jboss start procedure and waits for start event

Usage

startServiceWrapper

5.12.1. Workflow

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

5.13. startService

asynchronously executes the jboss start command

Usage

```
startService [-atg_data_dir <>] [-atg_jvm_maxheap <>]
[-atg_jvm_minheap <>] [-basedir <>] [-install_root <>]
[-java_home <>] [-spawn <true>]
```

Options

Option	Description
atg_data_dir	<i>jboss atg data directory path</i>
atg_jvm_maxheap	<i>max heap jvm arg</i>
atg_jvm_minheap	<i>min heap jvm arg</i>
basedir	<i>base directory of the jboss instance</i>
install_root	
java_home	<i>JAVA_HOME</i>
spawn	<i>Whether or not to run in background</i>

5.14. waitForStartEvent

waits for a startup even of an asynchronously started jboss service

Usage

```
waitForStartEvent [-basedir <>] [-maxwait <900>]
```

Options

Option	Description
basedir	<i>base directory of the jboss instance</i>
maxwait	<i>maximum time in seconds to wait for start event</i>

5.15. Stop

Conditionally stops the JBoss Server

Usage

Stop

5.15.1. Workflow

1. [assertServiceIsDown](#)

5.15.2. Error Handler

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

5.16. stopServiceWrapper

wraps the jboss stop procedure and waits for stop event

Usage

stopServiceWrapper

5.16.1. Workflow

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

5.16.2. Error Handler

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

5.17. stopService

executes the jboss stop command

Usage

```
stopService [-basedir <>] [-install_root <>] [-maxwait
<120>] [-port_config <>]
```

Options

Option	Description
basedir	
install_root	

maxwait	<i>timeout in seconds for standard jboss shutdown to complete</i>
port_config	<i>jboss port configuration</i>

5.18. waitForStopEvent

waits for a stop event of a jboss service

Usage

```
waitForStopEvent [-basedir <>] [-maxwait <60>] [-port_config <>]
```

Options

Option	Description
basedir	<i>base directory of jboss instance</i>
maxwait	<i>maximum time in seconds to wait for stop event</i>
port_config	<i>jboss service bindings port config</i>

6. Related Types

The following types are defined for use with JBossServer.

6.1. JBossSetting

6.1.1. Overview

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

- [JBossServer](#)

6.2. JBossExtractEar

6.2.1. Overview

JBossExtractEar: *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
jboss_extract_ear	settingValue

6.3. JBossJavaHome

6.3.1. Overview

JBossJavaHome: *JAVA_HOME* for JBoss

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
java_home	settingValue

6.4. JBossJavaOpts

6.4.1. Overview

JBossJavaOpts: *JAVA_OPTS* for JBoss

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
javaOpts	settingValue

6.5. JBossPortConfig

6.5.1. Overview

JBossPortConfig: *JBoss service bindings port 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
port_config	settingValue

6.6. JBindAddr

6.6.1. Overview

JBindAddr: *JBoss Bind Address*

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
bindAddr	settingValue

6.7. JBCConfiguration

6.7.1. Overview

JBCConfiguration: *The name of an ATG JBoss Configuration*

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_configuration	settingValue

6.8. JBJnpPort

6.8.1. Overview

JBJnpPort: *The name of an ATG JBoss Configuration*

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
jnpPort	settingValue

6.9. JBJrmpRmiObjectPort

6.9.1. Overview

JBJrmpRmiObjectPort: *JBoss JRMP RMI Object 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
jboss_jrmp_rmi_object_port	settingValue

6.10. JBNamingRmiPort

6.10.1. Overview

JBNamingRmiPort: *JBoss Naming RMI Object 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
jboss_naming_rmi_port	settingValue

6.11. JBPooledServerBindPort

6.11.1. Overview

JBPooledServerBindPort: *JBoss Pooled Server Bind 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_pooled_server_bind_port	settingValue

6.12. JBTcAjpPort

6.12.1. Overview

JBTcAjpPort: *Embedded Tomcat/JBoss AJP 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
ajpPort	settingValue

6.13. JBTcHttpPort

6.13.1. Overview

JBTcHttpPort: *JBoss HTTP Port*

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
httpPort	settingValue

6.14. JBUIL2ServerBindPort

6.14.1. Overview

JBUIL2ServerBindPort: *JBoss UIL2 ServerBind Port*

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
jboss_uil2_server_bind_port	settingValue

6.15. JBWSPort

6.15.1. Overview

JBWSPort: *JBoss WebServices Port*

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
jboss_ws_port	settingValue

6.16. JBossDocumentRoot

6.16.1. Overview

JBossDocumentRoot: *JBoss Document Root*

6.16.2. Design

Super Type

[JBossSetting](#)

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

6.16.3. Attributes

6.16.3.1. Exported Attributes

Name	Property
documentRoot	settingValue

6.17. JVMMinHeap

6.17.1. Overview

JVMMinHeap: *JVM minimum heap size*

6.17.2. Design

Super Type

[JBossSetting](#)

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

6.17.3. Attributes

6.17.3.1. Exported Attributes

Name	Property
atg_jvm_minheap	settingValue

6.18. JVMMaxHeap

6.18.1. Overview

JVMMaxHeap: *JVM maximum heap size*

6.18.2. Design

Super Type

[JBossSetting](#)

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

6.18.3. Attributes

6.18.3.1. Exported Attributes

Name	Property
atg_jvm_maxheap	settingValue

6.19. JVMPermSize

6.19.1. Overview

JVMPermSize: *JVM Perm Size memory setting*

6.19.2. Design

Super Type

[JBossSetting](#)

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

6.19.3. Attributes

6.19.3.1. Exported Attributes

Name	Property
jvm_perm_size	settingValue

6.20. JVMMaxPermSize

6.20.1. Overview

JVMMaxPermSize: *JVM Max Perm Size memory setting*

6.20.2. Design

Super Type

[JBossSetting](#)

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

6.20.3. Attributes

6.20.3.1. Exported Attributes

Name	Property
jvm_max_perm_size	settingValue

6.21. AppTimezone

6.21.1. Overview

AppTimezone: *A appserver timezone*

6.21.2. Design

Super Type

[JBossSetting](#)

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

6.21.3. Attributes

6.21.3.1. Exported Attributes

Name	Property
timezone	settingValue