

AtgJBossServer

An ATG JBoss application server

Table of contents

| | |
|---|---|
| 1 Overview..... | 3 |
| 2 Design..... | 3 |
| 3 Constraints..... | 3 |
| 3.1 Allowed Child Dependencies..... | 3 |
| 3.2 Allowed Parent Dependencies..... | 3 |
| 3.3 Allowed Property Values..... | 3 |
| 4 Attributes..... | 4 |
| 4.1 Exported Attributes..... | 4 |
| 4.2 Defaults for Imported Attributes..... | 4 |
| 5 Commands..... | 4 |
| 5.1 Configure..... | 4 |
| 5.2 Docs-Generate..... | 5 |
| 5.3 killService..... | 5 |
| 5.4 packages-code-install..... | 6 |
| 5.5 packages-config-install..... | 6 |
| 5.6 Start..... | 7 |
| 5.7 assertServiceIsUp..... | 7 |
| 5.8 startServiceWrapper..... | 7 |
| 5.9 startService..... | 7 |
| 5.10 waitForStartEvent..... | 8 |
| 5.11 Stop..... | 8 |
| 5.12 assertServiceIsDown..... | 8 |
| 5.13 stopServiceWrapper..... | 9 |

| | |
|------------------------------------|----|
| 5.14 stopService..... | 9 |
| 5.15 waitForStopEvent..... | 9 |
| 5.16 Restart..... | 10 |
| 5.17 Update..... | 10 |
| 6 Related Types..... | 10 |
| 6.1 AtgJBossSetting..... | 10 |
| 6.2 AtgJBossJavaHome..... | 11 |
| 6.3 AtgJBBindAddr..... | 11 |
| 6.4 AtgJBConfiguration..... | 12 |
| 6.5 AtgJBInpPort..... | 12 |
| 6.6 AtgJBJrmpRmiObjectPort..... | 13 |
| 6.7 AtgJBNamingRmiPort..... | 14 |
| 6.8 AtgJBPooledServerBindPort..... | 14 |
| 6.9 AtgJBTcAjpPort..... | 15 |
| 6.10 AtgJBTcHttpPort..... | 15 |
| 6.11 AtgJBUIL2ServerBindPort..... | 16 |
| 6.12 AtgJBWSPort..... | 16 |
| 6.13 AtgJBossDocumentRoot..... | 17 |
| 6.14 AtgDataDir..... | 17 |
| 6.15 AtgDynamoModules..... | 18 |

1. Overview

[Open in Workbench](#)

AtgJBossServer: *An ATG JBoss application server*

2. Design

Super Type
[AtgAppServer](#)

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

3. Constraints

3.1. Allowed Child Dependencies

- [AtgEar](#)
- [AtgJBossSetting](#)

3.2. Allowed Parent Dependencies

- [AtgAppServerCollection](#)
- 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 |

4.2. Defaults for Imported Attributes

| Name | Default |
|-------------------------------|-----------|
| ajpPort | 8009 |
| bindAddr | localhost |
| httpPort | 8080 |
| java_home | /usr |
| jboss_jrmp_rmi_object_port | 4444 |
| jboss_naming_rmi_port | 1098 |
| jboss_pooled_server_bind_port | 4445 |
| jboss_uil2_server_bind_port | 8093 |
| jboss_ws_port | 8083 |
| jnpPort | 1099 |

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 <>] [-jrmrmi_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> |
| jrmrmi_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 | if [\${os.arch} = sparc]; then PS=/usr/ucb/ps; else PS=ps; fi ; \$PS auxww grep java grep `basename \${opts.basedir}` grep -v grep awk '{print \$2}' xargs exec 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. Start

Conditionally starts the JBoss Server

Usage

Start

5.6.1. Workflow

1. [assertServiceIsUp](#)

5.6.2. Error Handler

| | |
|---------|-------------------------------------|
| Command | startServiceWrapper |
|---------|-------------------------------------|

5.7. assertServiceIsUp

Checks if jboss is running

Usage

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

5.7.1. Options

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

5.8. startServiceWrapper

wraps the jboss start procedure and waits for start event

Usage

startServiceWrapper

5.8.1. Workflow

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

5.9. startService

asynchronously executes the jboss start command

Usage

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

5.9.1. 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 load</i> |
| javaHome | <i>JAVA_HOME</i> |

5.10. waitForStartEvent

waits for a startup even of an asynchronously started jboss service

Usage

```
waitForStartEvent
```

5.11. Stop

Conditionally stops the JBoss Server

Usage

```
Stop
```

5.11.1. Workflow

1. [assertServiceIsDown](#)

5.11.2. Error Handler

| | |
|---------|------------------------------------|
| Command | stopServiceWrapper |
|---------|------------------------------------|

5.12. assertServiceIsDown

Checks if jboss is not running

Usage

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

5.12.1. Options

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

5.13. stopServiceWrapper

wraps the jboss stop procedure and waits for stop event

Usage

```
stopServiceWrapper
```

5.13.1. Workflow

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

5.13.2. Error Handler

| | |
|---------|-----------------------------|
| Command | killService |
|---------|-----------------------------|

5.14. stopService

executes the jboss stop command

Usage

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

5.14.1. 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> |

5.15. waitForStopEvent

waits for a stop event of a jboss service

Usage

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

5.15.1. Options

| Option | Description |
|----------|--|
| httpPort | boss http server port |
| maxwait | maximum time in seconds to wait for stop event |

5.16. Restart

Executes the JBoss Server Restart procedure

Usage

Restart

5.16.1. Workflow

1. [Stop](#)
2. [Start](#)

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 AtgJBossServer.

6.1. AtgJBossSetting

6.1.1. Overview

[Open in Workbench](#)

AtgJBossSetting: *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

- [AtgJBossServer](#)

6.2. AtgJBossJavaHome

6.2.1. Overview

[Open in Workbench](#)

AtgJBossJavaHome: *JAVA_HOME* for JBoss

6.2.2. Design

Super Type [AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBBindAddr

6.3.1. Overview

[Open in Workbench](#)

AtgJBBindAddr: JBoss Bind Address**6.3.2. Design****Super Type**[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBConfiguration**6.4.1. Overview**[Open in Workbench](#)**AtgJBConfiguration:** *The name of an ATG JBoss Configuration***6.4.2. Design****Super Type**[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBInpPort

6.5.1. Overview

[Open in Workbench](#)

AtgJBjnpPort: *The name of an ATG JBoss Configuration*

6.5.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBjrmprmiObjectPort

6.6.1. Overview

[Open in Workbench](#)

AtgJBjrmprmiObjectPort: *JBoss JRMP RMI Object Port*

6.6.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBNamingRmiPort

6.7.1. Overview

[Open in Workbench](#)

AtgJBNamingRmiPort: *JBoss Naming RMI Object Port*

6.7.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBPooledServerBindPort

6.8.1. Overview

[Open in Workbench](#)

AtgJBPooledServerBindPort: *JBoss Pooled Server Bind Port*

6.8.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBTcAjpPort

6.9.1. Overview

[Open in Workbench](#)

AtgJBTcAjpPort: *Embedded Tomcat/JBoss AJP Port*

6.9.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBTcHttpPort

6.10.1. Overview

[Open in Workbench](#)

AtgJBTcHttpPort: *JBoss HTTP Port*

6.10.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBUIL2ServerBindPort

6.11.1. Overview

[Open in Workbench](#)

AtgJBUIL2ServerBindPort: *JBoss UIL2 ServerBind Port*

6.11.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBWSPort

6.12.1. Overview

[Open in Workbench](#)

AtgJBWSPort: *JBoss WebServices Port*

6.12.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgJBossDocumentRoot

6.13.1. Overview

[Open in Workbench](#)

AtgJBossDocumentRoot: *JBoss Document Root*

6.13.2. Design

Super Type

[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgDataDir

6.14.1. Overview

[Open in Workbench](#)

AtgDataDir: *Directory path to ATG-Data dir*

6.14.2. Design**Super Type**[AtgJBossSetting](#)

| | |
|----------------|--|
| 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. AtgDynamoModules**6.15.1. Overview**[Open in Workbench](#)**AtgDynamoModules:** *Directory path to ATG-Data dir***6.15.2. Design****Super Type**[AtgJBossSetting](#)

| | |
|----------------|--|
| 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 |