

TomcatServer

A tomcat deployment

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1. Overview

[Open in Workbench](#)

TomcatServer: *A tomcat deployment*

2. Design

Super Type Service

Role	Concrete. (Objects can be created.)
Instance Names	Unique
Notification	false
Template Directory	
Data View	Children, proximity: 1
Logger Name	TomcatServer

3. Constraints

3.1. Allowed Child Dependencies

- [JavaHomePath](#) 1
- [PlatformZip](#)
- [Rdb](#)
- [TomcatSetting](#)
- war1

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

4. Attributes

4.1. Exported Attributes

Name	Property
catalinaBase	deployment-basedir
catalinaHome	deployment-install-root

4.2. Defaults for Imported Attributes

Name	Default
ajpPort	8009
contextFileName	ROOT.xml
httpsPort	8443
javaHome	\${env.JAVA_HOME}
port	8080
release	5.x
shutdownPort	8005
timeout	30

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. Update

run the update cycle

Usage

Update

5.1.1. Workflow

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

5.2. Docs-Generate

generates all defined docs

Usage

Docs-Generate [-archivedir <\${entity.instance.dir}/var>]

`[-basedir <>]`

5.2.1. Options

Option	Description
<code>archivedir</code>	<i>dir to store current output docs</i>
<code>basedir</code>	<i>tomcat instance dir</i>

5.3. Prepare

builds the deployment objects

Usage

`Prepare [-packagetype <PlatformZip>]`

5.3.1. Workflow

1. Packages-Install
2. Configure

5.3.2. Options

Option	Description
<code>packagetype</code>	<i>Platform packages to install</i>

5.4. War-Packages-Install

install war package dependencies

Usage

`War-Packages-Install [-packagetype <war>]`

5.4.1. Workflow

1. Packages-Install

5.4.2. Options

Option	Description
<code>packagetype</code>	<i>Platform packages to install</i>

5.5. assertServiceIsDown

checks if the service is down

Usage

```
assertServiceIsDown [-port <>]
```

5.5.1. Options

Option	Description
port	<i>listening port</i>

5.6. assertServiceIsUp

checks if the service is running

Usage

```
assertServiceIsUp [-port <>]
```

5.6.1. Options

Option	Description
port	<i>listening port</i>

5.7. startService

starts the service

Usage

```
startService [-basedir <>] [-install_root <>] [-java_home <>]
```

5.7.1. Options

Option	Description
basedir	<i>catalina base</i>
install_root	<i>catalina home</i>
java_home	<i>jre install dir</i>

5.8. stopService

stops the service

Usage

```
stopService [-basedir <>] [-install_root <>] [-java_home <>]
[-port <>] [-timeout <>]
```

5.8.1. Options

Option	Description
basedir	<i>catalina base</i>
install_root	<i>catalina home</i>
java_home	<i>jre install dir</i>
port	<i>listening port</i>
timeout	<i>timeout in seconds</i>

6. Related Types

The following types are defined for use with TomcatServer.

6.1. FilePath

6.1.1. Overview

[Open in Workbench](#)

FilePath: *A file path/directory*

6.1.2. Design

**Super Type
Setting**

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

6.2. JavaHomePath

6.2.1. Overview

[Open in Workbench](#)

JavaHomePath: *The Java install root*

6.2.2. Design

Super Type [FilePath](#)

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

6.2.3. Constraints

6.2.3.1. Allowed Parent Dependencies

- Service

6.2.4. Attributes

6.2.4.1. Exported Attributes

Name	Property
javaHome	settingValue

6.3. TomcatSetting

6.3.1. Overview

[Open in Workbench](#)

TomcatSetting: *Tomcat configuration setting*

6.3.2. Design

Super Type Setting

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

6.4. TomcatPort

6.4.1. Overview

[Open in Workbench](#)

TomcatPort: *Port used by Tomcat*

6.4.2. Design

Super Type

[TomcatSetting](#)

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

6.4.3. Constraints

6.4.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.5. TomcatServerPort

6.5.1. Overview

[Open in Workbench](#)

TomcatServerPort: *Tomcat server port*

6.5.2. Design

Super Type

[TomcatPort](#)

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

6.5.3. Constraints

6.5.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.5.4. Attributes

6.5.4.1. Exported Attributes

Name	Property
port	settingValue

6.6. TomcatSecureServerPort

6.6.1. Overview

[Open in Workbench](#)

TomcatSecureServerPort: *Tomcat secure server port*

6.6.2. Design

Super Type

[TomcatPort](#)

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

6.6.3. Constraints

6.6.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.6.4. Attributes

6.6.4.1. Exported Attributes

Name	Property
httpsPort	settingValue

6.7. TomcatShutdownPort

6.7.1. Overview

[Open in Workbench](#)

TomcatShutdownPort: *Tomcat shutdown port*

6.7.2. Design

Super Type

[TomcatPort](#)

Role	Concrete. (Objects can be created.)
------	--

Instance Names	Unique
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6.7.3. Constraints

6.7.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.7.4. Attributes

6.7.4.1. Exported Attributes

Name	Property
shutdownPort	settingValue

6.8. TomcatAjpPort

6.8.1. Overview

[Open in Workbench](#)

TomcatAjpPort: *Tomcat Apache Jakarta Protocol port*

6.8.2. Design

Super Type

[TomcatPort](#)

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

6.8.3. Constraints

6.8.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.8.4. Attributes

6.8.4.1. Exported Attributes

Name	Property
------	----------

ajpPort	settingValue
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6.9. TomcatRelease

6.9.1. Overview

[Open in Workbench](#)

TomcatRelease: *Tomcat major release (e.g. 4.1, 5.x or 6.x)*

6.9.2. Design

Super Type

[TomcatSetting](#)

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

6.9.3. Constraints

6.9.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.9.4. Attributes

6.9.4.1. Exported Attributes

Name	Property
release	settingValue

6.10. TomcatJavaOptions

6.10.1. Overview

[Open in Workbench](#)

TomcatJavaOptions: *Java runtime options (JAVA_OPTS) used when the Tomcat "start", "stop", or "run" command is executed*

6.10.2. Design

Super Type

[TomcatSetting](#)

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

6.10.3. Constraints

6.10.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.10.4. Attributes

6.10.4.1. Exported Attributes

Name	Property
javaOptions	settingValue

6.11. TomcatTimeout

6.11.1. Overview

[Open in Workbench](#)

TomcatTimeout: *Shutdown timeout period in seconds*

6.11.2. Design

Super Type

[TomcatSetting](#)

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

6.11.3. Constraints

6.11.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.11.4. Attributes

6.11.4.1. Exported Attributes

Name	Property
timeout	settingValue

6.12. TomcatPropertyFile**6.12.1. Overview**

[Open in Workbench](#)

TomcatPropertyFile: *Shopzilla Tomcat application configuration property file name*

6.12.2. Design

Super Type

[TomcatSetting](#)

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

6.12.3. Constraints**6.12.3.1. Allowed Parent Dependencies**

- [TomcatContext](#)
- [TomcatServer](#)

6.12.4. Attributes**6.12.4.1. Exported Attributes**

Name	Property
propertyFileName	settingValue
propertyFileTemplate	settingType

6.13. TomcatProperty**6.13.1. Overview**

[Open in Workbench](#)

TomcatProperty: *Shopzilla Tomcat configuration property setting*

6.13.2. Design

Super Type

[TomcatSetting](#)

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

6.13.3. Constraints

6.13.3.1. Allowed Parent Dependencies

- [TomcatContext](#)
- [TomcatServer](#)