

TomcatServer

A tomcat deployment

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1. Overview

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

- ConfigZip
- [GenerateApplicationTomcatContext](#) 1
- [GenerateDefaultTomcatContext](#) 1
- [JavaBin](#) 1
- [JavaHomePath](#) 1
- [PlatformJar](#)
- [Rdb](#)
- tgz
- [TomcatMgmtStrategy](#) 1
- [TomcatPath](#) 1
- [TomcatSetting](#)
- [TomcatZip](#) 1
- war1

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

3.2. Allowed Parent Dependencies

- Mediator

- Node
- [TomcatContext](#)

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
generateApplicationTomcatContext	false
generateDefaultTomcatContext	false
httpsPort	8443
javaHome	\${env.JAVA_HOME}
javaOptions	
port	8080
release	5.x
shutdownPort	8005
timeout	10
tomcatMgmtStrategy	default
tomcatNewEnvironment	true
tomcatPath	/bin:/usr/bin

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

generates all defined docs

Usage

```
Docs-Generate [-archivedir <${entity.instance.dir}/var>]
[-basedir <>] [-install_root <>] [-java_home <>]
[-javaoptions <>]
```

Options

Option	Description
archivedir	<i>dir to store current output docs</i>
basedir	<i>tomcat instance dir</i>
install_root	<i>tomcat installation root</i>
java_home	<i>tomcat java_home</i>
javaoptions	<i>tomcat java options</i>

5.2. assertServiceIsDown

checks if the service is down

Usage

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

Options

Option	Description
basedir	<i>tomcat base directory</i>
port	<i>listening port</i>

5.3. assertServiceIsUp

checks if the service is running

Usage

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

Options

Option	Description
basedir	<i>tomcat base directory</i>
port	<i>listening port</i>

5.4. startService

starts the service

Usage

```
startService [-basedir <>] [-install_root <>] [-java_home <>]
[-javaoptions <>] [-newenvironment <>] [-path <>]
[-timeout <>]
```

Options

Option	Description
basedir	<i>catalina base</i>
install_root	<i>catalina home</i>
java_home	<i>jre install dir</i>
javaoptions	<i>Java options</i>
newenvironment	<i>Whether or not to start Tomcat with a new environment</i>
path	<i>PATH to use with Tomcat</i>
timeout	<i>timeout in seconds</i>

5.5. stopService

stops the service

Usage

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

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

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

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

TomcatSetting: *Tomcat configuration setting*

6.3.2. Design

Super Type
Setting

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

6.4. TomcatMgmtStrategy

6.4.1. Overview

TomcatMgmtStrategy: *Specifies the Tomcat Management Strategy*

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](#)

6.4.4. Attributes**6.4.4.1. Exported Attributes**

Name	Property
tomcatMgmtStrategy	settingValue

6.5. GenerateDefaultTomcatContext**6.5.1. Overview**

GenerateDefaultTomcatContext: *determines if a default context should be generated*

6.5.2. Design**Super Type**

[TomcatSetting](#)

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
generateDefaultTomcatContext	settingValue

6.6. GenerateApplicationTomcatContext

6.6.1. Overview

GenerateApplicationTomcatContext: *determines if a application context should be generated*

6.6.2. Design

Super Type

[TomcatSetting](#)

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
generateApplicationTomcatContext	settingValue

6.7. TomcatNewEnvironment

6.7.1. Overview

TomcatNewEnvironment: *Whether or not to start Tomcat with a new environment*

6.7.2. Design

Super Type

[TomcatSetting](#)

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

6.7.3. Constraints

6.7.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.7.4. Attributes**6.7.4.1. Exported Attributes**

Name	Property
tomcatNewEnvironment	settingValue

6.8. TomcatPath**6.8.1. Overview**

TomcatPath: *PATH used by Tomcat*

6.8.2. Design**Super Type**

[TomcatSetting](#)

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
tomcatPath	settingValue

6.9. TomcatPort

6.9.1. Overview

TomcatPort: *Port used by Tomcat*

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](#)

6.10. TomcatServerPort

6.10.1. Overview

TomcatServerPort: *Tomcat server port*

6.10.2. Design

Super Type

[TomcatPort](#)

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
port	settingValue

6.11. TomcatSecureServerPort

6.11.1. Overview

TomcatSecureServerPort: *Tomcat secure server port*

6.11.2. Design

Super Type

[TomcatPort](#)

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
httpsPort	settingValue

6.12. TomcatShutdownPort

6.12.1. Overview

TomcatShutdownPort: *Tomcat shutdown port*

6.12.2. Design

Super Type

[TomcatPort](#)

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

6.12.3. Constraints

6.12.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.12.4. Attributes

6.12.4.1. Exported Attributes

Name	Property
shutdownPort	settingValue

6.13. TomcatAjpPort

6.13.1. Overview

TomcatAjpPort: *Tomcat Apache Jakarta Protocol port*

6.13.2. Design

Super Type

[TomcatPort](#)

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

6.13.3. Constraints

6.13.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.13.4. Attributes

6.13.4.1. Exported Attributes

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

ajpPort	settingValue
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6.14. TomcatRelease

6.14.1. Overview

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

6.14.2. Design

Super Type

[TomcatSetting](#)

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

6.14.3. Constraints

6.14.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.14.4. Attributes

6.14.4.1. Exported Attributes

Name	Property
release	settingValue

6.15. TomcatJavaOptions

6.15.1. Overview

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

6.15.2. Design

Super Type

[TomcatSetting](#)

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

6.15.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.15.4. Attributes

6.15.4.1. Exported Attributes

Name	Property
javaOptions	settingValue

6.16. TomcatTimeout

6.16.1. Overview

TomcatTimeout: *Shutdown timeout period in seconds*

6.16.2. Design

Super Type

[TomcatSetting](#)

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

6.16.3. Constraints

6.16.3.1. Allowed Parent Dependencies

- [TomcatServer](#)

6.16.4. Attributes

6.16.4.1. Exported Attributes

Name	Property
timeout	settingValue

6.17. TomcatPropertyFile

6.17.1. Overview

TomcatPropertyFile: *Shopzilla Tomcat application configuration property file name*

6.17.2. Design

Super Type

[TomcatSetting](#)

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

6.17.3. Constraints

6.17.3.1. Allowed Parent Dependencies

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

6.17.4. Attributes

6.17.4.1. Exported Attributes

Name	Property
propertyFileName	settingValue
propertyFileTemplate	settingType

6.18. TomcatProperty

6.18.1. Overview

TomcatProperty: *Shopzilla Tomcat configuration property setting*

6.18.2. Design

Super Type

[TomcatSetting](#)

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

6.18.3.1. Allowed Parent Dependencies

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