

TomcatContext

Tomcat web application service (extended to support a custom context and an "external" property file)

Table of contents

1 Overview.....	2
2 Design.....	2
3 Constraints.....	2
3.1 Allowed Child Dependencies.....	2
3.2 Allowed Parent Dependencies.....	2
4 Attributes.....	3
4.1 Exported Attributes.....	3
4.2 Defaults for Imported Attributes.....	3
5 Commands.....	3
5.1 Docs-Generate.....	3
5.2 Packages-Install.....	4
5.3 Configure.....	4
5.4 War-Packages-Install.....	4
5.5 stopService.....	5
5.6 startService.....	5
5.7 assertServiceIsUp.....	5
5.8 assertServiceIsDown.....	5
6 Related Types.....	6
6.1 TomcatSetting.....	6
6.2 TomcatContextFile.....	6
6.3 TomcatRestartStrategy.....	7

1. Overview

TomcatContext: *Tomcat web application service (extended to support a custom context and an "external" property file)*

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	TomcatContext

3. Constraints

3.1. Allowed Child Dependencies

- DefaultDeploymentType1
- DefaultPackageName1
- DefaultPackageType1
- DispatchChangeDependencies1
- [TomcatContextFile](#) 1
- TomcatProperty
- TomcatPropertyFile1
- [TomcatRestartStrategy](#) 1
- [TomcatServer](#) 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

4. Attributes

4.1. Exported Attributes

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

4.2. Defaults for Imported Attributes

Name	Default
contextFileName	ROOT.xml
defaultDeploymentType	Deployment
defaultPackageName	^\$
defaultPackageType	war
dispatchChangeDependencies	false
tomcatRestartStrategy	none

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 <>]
```

Options

Option	Description
archivedir	dir to store current output docs

basedir	tomcat instance dir
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5.2. Packages-Install

install package dependencies

Usage

```
Packages-Install [-buildstamp <>] [-packagetype <[^\.]*>]
[-restartStrategy <>]
```

Options

Option	Description
buildstamp	<i>build identifier. currently ignored</i>
packagetype	<i>type of packages to install</i>
restartStrategy	<i>determines the start strategy</i>

5.3. Configure

Configures the instance

Usage

```
Configure [-restartStrategy <>]
```

Options

Option	Description
restartStrategy	<i>determines the stop strategy</i>

5.4. War-Packages-Install

install war package dependencies

Usage

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

5.4.1. Workflow

1. [Packages-Install](#)

Options

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

5.5. stopService

executes the stop procedure

Usage

```
stopService [-restartStrategy <>]
```

Options

Option	Description
restartStrategy	<i>determines the stop strategy</i>

5.6. startService

executes the start procedure

Usage

```
startService [-restartStrategy <>]
```

Options

Option	Description
restartStrategy	<i>determines the start strategy</i>

5.7. assertServiceIsUp

asserts if service is up

Usage

```
assertServiceIsUp [-restartStrategy <>]
```

Options

Option	Description
restartStrategy	<i>determines the start strategy</i>

5.8. assertServiceIsDown

asserts if service is down

Usage

```
assertServiceIsDown [-restartStrategy <>]
```

Options

Option	Description
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restartStrategy	<i>determines the stop strategy</i>
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6. Related Types

The following types are defined for use with TomcatContext.

6.1. TomcatSetting

6.1.1. Overview

TomcatSetting: *Tomcat configuration setting*

6.1.2. Design

Super Type
Setting

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

6.2. TomcatContextFile

6.2.1. Overview

TomcatContextFile: *Tomcat application context path file name*

6.2.2. Design

Super Type
[TomcatSetting](#)

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

6.2.3. Constraints

6.2.3.1. Allowed Parent Dependencies

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

6.2.4. Attributes

6.2.4.1. Exported Attributes

Name	Property
contextFileName	settingValue

6.3. TomcatRestartStrategy

6.3.1. Overview

TomcatRestartStrategy: *x*

6.3.2. Design

Super Type

[TomcatSetting](#)

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

6.3.3. Constraints

6.3.3.1. Allowed Parent Dependencies

- [TomcatContext](#)

6.3.4. Attributes

6.3.4.1. Exported Attributes

Name	Property
tomcatRestartStrategy	settingValue