

TomcatContext

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

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1. Overview

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

Use TomcatContext objects if your Tomcat instance requires more than one war file. Model the TomcatContext objects and the TomcatServer object with the same basedir. Attach all TomcatContext objects and the single TomcatServer object as child dependencies of TomcatSite. Then manage the service through the TomcatSite, deployed locally with the TomcatServer and TomcatContext objects. TomcatSites can be grouped into Sites in the same way as standalone TomcatServers.

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
- [TomcatImplicitContext](#) 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
tomcatImplicitContext	false
tomcatRestartStrategy	none

5. Commands

View the available commands in the [User Reference](#).

6. Related Types

The following types are defined for use with TomcatContext.

6.1. TomcatContextFile

6.1.1. Overview

TomcatContextFile: *Tomcat application context path file name*

The file under conf/Catalina/localhost/ into which to write the context file. Default: ROOT.xml

6.1.2. Design

Super Type
[TomcatSetting](#)

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

6.1.3. Constraints

6.1.3.1. Allowed Parent Dependencies

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

6.1.4. Attributes

6.1.4.1. Exported Attributes

Name	Property
contextFileName	settingValue

6.2. TomcatImplicitContext

6.2.1. Overview

TomcatImplicitContext: *Tomcat Implicit Context (boolean)*

Default is false and a context file will be generated in conf/Catalina/localhost. If true, the context is an implicit context; i.e. the server already knows where it is and how to deploy it, and no context file is necessary. Usually this means that the application will be deployed in CATALINA_BASE/webapps. N.B. If you use an implicit context, the package type **must** be PackedWar or a subtype in order to avoid a race condition with the auto-unpacking functionality of Tomcat.

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](#)

6.2.4. Attributes

6.2.4.1. Exported Attributes

Name	Property
tomcatImplicitContext	settingValue

6.3. TomcatRestartStrategy

6.3.1. Overview

TomcatRestartStrategy: *Tomcat restart execution strategy*

Allowed values are none, context, and container. Default is none. Use *container* if you would like the server to be restarted when the TomcatContext is Deployed. For this case, attach the TomcatServer as a child object of TomcatContext.

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

6.4. TomcatSetting

6.4.1. Overview

TomcatSetting: *Tomcat configuration setting*

6.4.2. Design

Super Type Setting

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