

Apache

Manages an Apache HTTP server

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1. Overview

Apache: *Manages an Apache HTTP server*

2. Design

Super Type Service

Role	Concrete. (Objects can be created.)
Instance Names	Unique
Notification	false
Template Directory	
Data View	Children, proximity: 2
Logger Name	Apache

3. Constraints

3.1. Allowed Child Dependencies

- [ApacheDocumentRoot](#)
- [ApacheHttpPort](#) 1
- [ApacheLoadModuleJk](#)
- [ApacheLoadModulePhp](#)
- [ApacheReconfigure](#) 1
- [ApacheServerAdmin](#) 1
- [ApacheServerName](#) 1
- DefaultDeploymentType1
- DefaultPackageName1
- DefaultPackageType1
- DispatchChangeDependencies1
- [Tomcat](#)
- zip

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

3.2. Allowed Parent Dependencies

- Node

- Site

4. Attributes

4.1. Defaults for Imported Attributes

Name	Default
ajpPort	8009
apacheReconfigure	true
catalina_base	/usr/local/tomcat
catalina_home	/usr/local/tomcat
dispatchChangeDependencies	false
documentRoot	\${opts.install_root}/htdocs
httpPort	8180
loadmodule_jk	modules/mod_jk.so
loadmodule_php	modules/libphp4.so
serverAdmin	you@example.com
serverName	localhost

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. Prepare

builds the deployment objects

Usage

Prepare

5.1.1. Workflow

1. Install

2. Stop
3. Configure

5.2. Docs-Generate

generates all defined docs

Usage

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

Options

Option	Description
apacheReconfigure	<i>determines whether apache will be configured</i>
archivedir	<i>dir to store current output docs</i>
documentRoot	<i>apache doc root</i>

5.3. assertServiceIsDown

checks if service is down

Usage

```
assertServiceIsDown
```

5.4. assertServiceIsUp

checks if service is running

Usage

```
assertServiceIsUp
```

5.5. startService

starts the service

Usage

```
startService [-apache_bin] [-apacheReconfigure <>] [-basedir  
<>]
```

Options

Option	Description
apache_bin	<i>apache bin install directory</i>

apacheReconfigure	<i>determines whether apache will be restarted</i>
basedir	<i>apache server base</i>

5.6. stopService

stops the service

Usage

stopService [-apacheReconfigure <>]

Options

Option	Description
apacheReconfigure	<i>determines whether apache will be restarted</i>

6. Related Types

The following types are defined for use with Apache.

6.1. ApacheSetting

6.1.1. Overview

ApacheSetting: *An Apache configuration setting*

6.1.2. Design

Super Type Setting

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

6.2. ApacheReconfigure

6.2.1. Overview

ApacheReconfigure: *determines whether to stop and start apache*

6.2.2. Design

Super Type

[ApacheSetting](#)

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

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
apacheReconfigure	settingValue

6.3. ApacheDocumentRoot

6.3.1. Overview

ApacheDocumentRoot: *Directory from which httpd will serve files*

6.3.2. Design

Super Type

[ApacheSetting](#)

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

6.3.3. Constraints

6.3.3.1. Allowed Parent Dependencies

- [Apache](#)

6.3.4. Attributes

6.3.4.1. Exported Attributes

Name	Property
documentRoot	settingValue

6.4. ApacheHttpPort

6.4.1. Overview

ApacheHttpPort: *Apache listening port*

6.4.2. Design

Super Type

[ApacheSetting](#)

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

6.4.3. Constraints

6.4.3.1. Allowed Parent Dependencies

- [Apache](#)

6.4.3.2. Allowed Property Values

Property	Allowed Values	Default	Enforced
settingValue	80		false

6.4.4. Attributes

6.4.4.1. Exported Attributes

Name	Property
httpPort	settingValue

6.5. ApacheServerName

6.5.1. Overview

ApacheServerName: *The name or address the server uses to identify itself*

6.5.2. Design

Super Type

[ApacheSetting](#)

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

6.5.3. Constraints

6.5.3.1. Allowed Parent Dependencies

- [Apache](#)

6.5.3.2. Allowed Property Values

Property	Allowed Values	Default	Enforced
settingValue	• localhost		false

6.5.4. Attributes

6.5.4.1. Exported Attributes

Name	Property
serverName	settingValue

6.6. ApacheLoadModuleJk

6.6.1. Overview

ApacheLoadModuleJk: Used by the LoadModule directive to link in the JK module. Filename is either an absolute path or relative to ServerRoot.

6.6.2. Design

Super Type

[ApacheSetting](#)

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

6.6.3. Constraints

6.6.3.1. Allowed Parent Dependencies

- [Apache](#)

6.6.3.2. Allowed Property Values

Property	Allowed Values	Default	Enforced
settingValue	modules/mod_jk.		false

6.6.4. Attributes

6.6.4.1. Exported Attributes

Name	Property
loadmodule_jk	settingValue

6.7. ApacheLoadModulePhp

6.7.1. Overview

ApacheLoadModulePhp: *Used by the LoadModule directive to link in the PHP module. Filename is either an absolute path or relative to ServerRoot.*

6.7.2. Design

Super Type

[ApacheSetting](#)

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

6.7.3. Constraints

6.7.3.1. Allowed Parent Dependencies

- [Apache](#)

6.7.3.2. Allowed Property Values

Property	Allowed Values	Default	Enforced
settingValue	modules/libphp4		false

6.7.4. Attributes

6.7.4.1. Exported Attributes

Name	Property
loadmodule_php	settingValue

6.8. ApacheServerAdmin

6.8.1. Overview

ApacheServerAdmin: *Email address of the web server administrator*

6.8.2. Design

Super Type

[ApacheSetting](#)

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

6.8.3. Constraints

6.8.3.1. Allowed Parent Dependencies

- [Apache](#)

6.8.3.2. Allowed Property Values

Property	Allowed Values	Default	Enforced
settingValue	• you@example.com		false

6.8.4. Attributes

6.8.4.1. Exported Attributes

Name	Property
serverAdmin	settingValue