

ApacheSystemService

Apache System Service Module

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1. Overview

ApacheSystemService: *Apache System Service Module*

Models the Apache httpd server as installed by the OS and with service management done through /etc/init.d/httpd

2. Design

Super Type
[SystemService](#)

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

3. Constraints

3.1. Allowed Child Dependencies

- ApacheCgiBin1
- ApacheDocumentRoot1
- ApacheErrorDir1
- ApacheGroup1
- ApacheIconsDir1
- ApacheListen
- ApacheProxyAjpLocation1
- ApacheProxyAjpWebapp1
- ApacheServerAdmin1
- ApacheServerName1
- ApacheServerRoot1
- ApacheUser1
- Package
- Service
- SystemServiceScript1
- SystemServiceUseSudo1

- TomcatAjpPort1
- [TomcatServer 1](#)

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

Settings are defined in the Apache module's type definition. Defaults are taken from Red Hat Enterprise Linux. Defaults may be different than those of the Apache type. N.B. There is no default for serverName. You must specify the ApacheServerName setting.

4.1. Defaults for Imported Attributes

Name	Default	Description
cgiBin	/var/www/cgi-bin	Directory for cgi-bin scripts
documentRoot	/var/www/html	Home of server documents
errorDir	/var/www/error	Directory for error pages
group	apache	Runtime group of Apache daemon
iconsDir	/var/www/icons	Directory for icons used in generated directory listings
listen	80	Listen specification (port, or address:port, etc.)
proxyAjpLocation	/examples/	The location under http://servername/ for which traffic will be forwarded via mod_proxy_ajp
proxyAjpWebapp	examples/	The Tomcat web application to which traffic will be proxied by mod_proxy_ajp
serverAdmin	webmaster@localhost.localdomain	Administrator e-mail address
serverRoot	/etc/httpd	Home of apache configuration

systemServiceScript	httpd	Name of /etc/init.d script (httpd in RHEL; apache in some other distributions)
systemServiceUseSudo	true	Boolean whether to use sudo (from SystemService)
user	apache	Runtime user of Apache daemon

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

Generate the Apache configuration file

Uses templates to generate the httpd.conf file; also generates proxy_ajp.conf if a TomcatServer is a dependency.

Usage

```
Docs-Generate [-ajpPort <>] [-proxyAjpLocation <>]
[-proxyAjpWebapp <>] [-serverRoot <>]
```

Options

Option	Description
ajpPort	<i>Tomcat Ajp13 Port</i>
proxyAjpLocation	<i>mod_proxy_ajp Location to proxy to Tomcat</i>
proxyAjpWebapp	<i>mod_proxy_ajp Destination Tomcat Webapp</i>
serverRoot	<i>Apache Server Root</i>