

# 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	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>
Notification	<b>false</b>
Template Directory	
Data View	Children, proximity: <b>1</b>
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
<code>cgiBin</code>	<code>/var/www/cgi-bin</code>	Directory for cgi-bin scripts
<code>documentRoot</code>	<code>/var/www/html</code>	Home of server documents
<code>errorDir</code>	<code>/var/www/error</code>	Directory for error pages
<code>group</code>	<code>apache</code>	Runtime group of Apache daemon
<code>iconsDir</code>	<code>/var/www/icons</code>	Directory for icons used in generated directory listings
<code>listen</code>	<code>80</code>	Listen specification (port, or address:port, etc.)
<code>proxyAjpLocation</code>	<code>/examples/</code>	The location under <code>http://servername/</code> for which traffic will be forwarded via <code>mod_proxy_ajp</code>
<code>proxyAjpWebapp</code>	<code>examples/</code>	The Tomcat web application to which traffic will be proxied by <code>mod_proxy_ajp</code>
<code>serverAdmin</code>	<code>webmaster@localhost.localdomain</code>	Administrator e-mail address
<code>serverRoot</code>	<code>/etc/httpd</code>	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

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