

SystemService

Unix/Linux system service module

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1. Overview

SystemService: *Unix/Linux system service module*

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	SystemService

3. Constraints

3.1. Allowed Child Dependencies

- Package
- Service
- [SystemServiceScript](#) 1
- [SystemServiceUseSudo](#) 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

4.1. Defaults for Imported Attributes

Name	Default
systemServiceUseSudo	true

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. assertServiceIsDown

Check whether the specified system service is down

Usage

```
assertServiceIsDown [-script <>] [-usesudo <>]
```

Options

Option	Description
script	<i>System service script</i>
usesudo	<i>Whether or not to use sudo</i>

5.2. assertServiceIsUp

Check whether the specified system service is up

Usage

```
assertServiceIsUp [-script <>] [-usesudo <>]
```

Options

Option	Description
script	<i>System service script</i>
usesudo	<i>Whether or not to use sudo</i>

5.3. startService

Start the specified system service

Usage

```
startService [-script <>] [-usesudo <>]
```

Options

Option	Description
script	<i>System service script</i>

usesudo	Whether or not to use sudo
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5.4. stopService

Stop the specified system service

Usage

```
stopService [-script <>] [-usesudo <>]
```

Options

Option	Description
script	System service script
usesudo	Whether or not to use sudo

6. Related Types

The following types are defined for use with SystemService.

6.1. SystemServiceSetting

6.1.1. Overview

SystemServiceSetting: *An RPM package setting.*

6.1.2. Design

Super Type Setting

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

6.1.3. Constraints

6.1.3.1. Allowed Parent Dependencies

- [SystemService](#)

6.2. SystemServiceScript

6.2.1. Overview

SystemServiceScript: *The name of the system service script in /etc/init.d*

6.2.2. Design

Super Type

[SystemServiceSetting](#)

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

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
systemServiceScript	settingValue

6.3. SystemServiceUseSudo

6.3.1. Overview

SystemServiceUseSudo: *Indicate whether sudo should be used to run the commands necessary to manage system services*

6.3.2. Design

Super Type

[SystemServiceSetting](#)

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

6.3.3. Attributes

6.3.3.1. Exported Attributes

Name	Property
systemServiceUseSudo	settingValue

