

SystemService

Unix/Linux system service module

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1. Overview

SystemService: *Unix/Linux system service module*

SystemService uses the `/etc/init.d/` scripts to manage services, optionally via `sudo`.

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
- [SystemServicePidFile](#) 1
- [SystemServiceScript](#) 1
- [SystemServiceStartEventTimeout](#) 1
- [SystemServiceStopEventTimeout](#) 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
systemServicePidFile	
systemServiceStartEventTimeout	30
systemServiceStopEventTimeout	30
systemServiceUseSudo	true

5. Commands

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

6. Related Types

The following types are defined for use with SystemService.

6.1. SystemServicePidFile

6.1.1. Overview

SystemServicePidFile: *Identifies the location of the process identifier file to use for service life-cycle management*

No type level default value is set in order to preserve backward-compatibility with earlier SystemService sub-types

6.1.2. Design

Super Type

[SystemServiceSetting](#)

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

6.1.3. Attributes

6.1.3.1. Exported Attributes

Name	Property
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systemServicePidFile	settingValue
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6.2. SystemServiceScript

6.2.1. Overview

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

This must be set in order to use this module directly. You can also set an attribute-default for systemServiceScript in your subtype.

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. SystemServiceSetting

6.3.1. Overview

SystemServiceSetting: *An System Service setting.*

6.3.2. Design

Super Type

Setting

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

6.3.3. Constraints

6.3.3.1. Allowed Parent Dependencies

- [SystemService](#)

6.4. SystemServiceStartEventTimeout

6.4.1. Overview

SystemServiceStartEventTimeout: *Duration (in seconds) to wait for the start event(s) to occur*

6.4.2. Design

Super Type

[SystemServiceSetting](#)

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

6.4.3. Constraints

6.4.3.1. Allowed Parent Dependencies

- [SystemService](#)

6.4.4. Attributes

6.4.4.1. Exported Attributes

Name	Property
systemServiceStartEventTimeout	settingValue

6.5. SystemServiceStopEventTimeout

6.5.1. Overview

SystemServiceStopEventTimeout: *Duration (in seconds) to wait for the stop event(s) to occur*

6.5.2. Design

Super Type
[SystemServiceSetting](#)

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

6.5.3. Constraints

6.5.3.1. Allowed Parent Dependencies

- [SystemService](#)

6.5.4. Attributes

6.5.4.1. Exported Attributes

Name	Property
systemServiceStopEventTimeout	settingValue

6.6. SystemServiceUseSudo

6.6.1. Overview

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

Defaults to true.

6.6.2. Design

Super Type
[SystemServiceSetting](#)

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

6.6.3. Attributes

6.6.3.1. Exported Attributes

Name	Property
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SystemService

systemServiceUseSudo	settingValue
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