

Systemctl Extension for Config5

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Chapter 1. Introduction

1.1. Overview

The Systemctl Extension is a simple wrapper around the **systemctl** command. It provides the `systemctl` change to efficiently control systemd services with Config5.

1.2. Examples

Services can be enabled and disabled on reboot and started and stopped as shown in the following example spec file:

```
Fedora16:
service enable network
service disable httpd
service start mysqld
service stop httpd
```

Chapter 2. Installation and Customization

2.1. Installation

This extension is contained in the archive `extensions/systemctl.tgz` which is part of the Config5 distribution. Simply extract this archive in the `deploy` directory.

2.1.1. Files

The following files are included in the archive:

- `etc/extensions.d/systemctl.pl`
- `lib/perl/Config5/Change/Extensions/Systemctl.pm`
- `lib/perl/Config5/Action/Extensions/Systemctl.pm`

2.2. Settings

This extension does not have any configurable settings.

Chapter 3. Changes

3.1. Changes

This extension provides the `systemctl` change which can manipulate system services:

Synopsis	<code>systemctl [-ntT] action service</code>
----------	--

The parameter `service` specifies the name of the service to manipulate. The parameter `action` specifies what to do:

<code>enable</code>	Set the service to automatically start when the system starts.
<code>disable</code>	Set the service to remain stopped when the system starts.
<code>start</code>	Immediately start the service if it is not running already.
<code>stop</code>	Immediately stop the service if it is running.

Example 3.1. Service Manipulation

```
sample:
  service enable httpd
  service start httpd
```

3.2. Configuration Application

3.2.1. Phase

The `systemctl` changes are applied in the `configure` phase.

3.2.2. Order and Application

All `systemctl` changes of a pass are applied in the order the changes are encountered during the parsing of the `spec` files.

The extension caches service status information. Mixing `systemctl` and `execute` changes to manipulate services is not supported.

3.2.3. Trigger Flag

The the trigger flag for triggered changes is set when a service is effectively enabled, disabled, started or stopped.

Appendix A. Error Messages

A.1. Configuration Data Errors

Configuration data errors are fatal, no changes will be done to the system.

Invalid action '*...*' in ...

The action must be *enable*, *disable*, *start* or *stop*.

A.2. Configuration Application Errors

The following errors are reported for changes as they are applied but do not interrupt the application of other changes.

Failed to ... service '*service*'

The named service could not be enabled, disabled, started or stopped.