Service Extension for Config5

Stefan Walter

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Chapter 1. Introduction

1.1. Overview

The Initd Extension provides the `initd` change which adds the capability to Config5 to manipulate SystemV services.

1.2. Examples

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

```
Debian:
  service enable apache2
  service disable apache2
  service start apache2
  service stop apache2
```

Chapter 2. Installation and Customization

2.1. Installation

This extension is contained in the archive `extensions/initd.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/initd.pl`

- `lib/perl/Config5/Change/Extensions/Initd.pm`

- `lib/perl/Config5/Action/Extensions/Initd.pm`

2.2. Settings

This extension does not have any configurable settings.

Chapter 3. Changes

3.1. Changes

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

Synopsis	`initd` [**-ntT**] `action service`

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

enable   Set the service to automatically start when the system starts.

disable   Set the service to remain stopped when the system starts.

start   Immediately start the service if it is not running already.

stop   Immediately stop the service if it is running.

Example 3.1. Service Manipulation

```
sample:
  service add apache2
  service enable apache2
  service start apache2
```

3.2. Configuration Application

3.2.1. Phase

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

3.2.2. Order and Application

All `initd` 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 `service` 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.

3.2.4. Root Directory

Changes of this extension are only applied if the root system information item is equal to `/`.

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.