Apt Extension for Config5

Stefan Walter

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Chapter 1. Introduction

1.1. Overview

The Apt Extension is a simple wrapper around the **apt-get** command. It provides the apt change to efficiently install and uninstall packages from Apt repositories with Config5.

1.2. Examples

Packages can be installed and uninstalled as shown in the following example spec file:

Ubuntu:
 apt install gcc
 apt uninstall sane

Chapter 2. Installation and Customization

2.1. Installation

This extension is contained in the archive extensions/apt.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/apt.pl
- lib/perl/Config5/Change/Extensions/Apt.pm
- lib/perl/Config5/Action/Extensions/Apt.pm

2.2. Settings

This extension does not have any configurable settings.

Chapter 3. Changes

3.1. Changes

This extension provides the apt change which has two actions: install and uninstall.

3.1.1. apt install

The install action of the apt change will install a single RPM package.

Synopsis	apt[-ntT]install package
-7F	

The parameter package is the package name without version numbers.

Example 3.1. Install

```
sample:
apt install gcc
```

3.1.2. apt uninstall

The uninstall action of the apt change will uninstall the specified package.

Synopsis	apt[-ntT]uninstall package
----------	----------------------------

The parameter package is the package to uninstall.

Example 3.2. Uninstall

```
sample:
apt uninstall cups
```

3.2. Configuration Application

3.2.1. Phase

The apt changes are applied in the packages phase.

3.2.2. Order and Application

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

The extension caches package information when checking for packages that have to be installed or uninstalled. Mixing apt and execute changes to install or uninstall packages is not supported.

3.2.3. Trigger Flag

The the trigger flag for triggered changes is set when package is installed or uninstalled.

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 install or uninstall.

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 ... package 'package'

The named package could not be installed or uninstalled. Typically the package does not exist or there was an error with the **apt-get** command.