

GConf Extension for Config5

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Chapter 1. Introduction

1.1. Overview

The GConf Extension provides the `gconf` change which adds the capability to Config5 to modify GNOME settings using the GNOME configuration tool.

1.2. Examples

The following examples illustrate the basic usage of this extension.

1.2.1. Change Default Mailer

The following sample spec file shows how to change the default mailer to Thunderbird using the `set` action of the `augeas` change:

```
RedHatEnterpriseWorkstation:
    gconf set /desktop/gnome/url-handlers/mailto/command 'thunderbird %s'
```

The path `/desktop/gnome/url-handlers/mailto/command` is the key to set in the GConf repository.

1.2.2. Disable GDM Banner Message

To hide the GDM banner message the `clear` action of the `gconf` change can be used as shown in the following sample spec file:

```
RedHatEnterpriseServer:
    gconf clear /apps/gdm/simple-greeter/banner_message_enable
```

Chapter 2. Installation and Customization

2.1. Installation

This extension is contained in the archive `extensions/gconf.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/gconf.pl`
- `lib/perl/Config5/Change/Extensions/GConf.pm`
- `lib/perl/Config5/Action/Extensions/GConf.pm`

2.2. Settings

This following settings can be customized:

Setting	Default	Description
<code>\$self->{extension}->{gconf}->{command}</code>	<code>gconftool-2</code>	The name of the GNOME configuration tool binary.

Chapter 3. Changes

3.1. Changes

This extension provides the `gconf` change which has two actions: `set` and `clear`.

3.1.1. gconf set

The `set` action of the `gconf` change will set the value of a given key in the GConf repository.

Synopsis	<code>gconf [-nbtT] set <i>key</i> <i>value</i> [<i>type</i>]</code>
----------	--

The parameter *key* is the key in the default GConf repository to set, *value* is the value to set it to. If either contains a white space it must be quoted. If the key does not exist it will be created. The data type of the key is assumed to be `string` unless the optional *type* parameter is specified in which case this type is used.

Substitutions passed down from the class definition are applied to *value* unless the `-b` flag is used.

Example 3.1. Set

```
sample:
  gconf set /apps/gdm/simple-greeter/banner_message_text "Welcome to [% info_host %]"
  gconf set /apps/gdm/simple-greeter/banner_message_enable true bool
```

3.1.2. gconf clear

The `clear` action of the `gconf` change will unset the given key in the GConf repository.

Synopsis	<code>gconf [-ntT] clear <i>key</i></code>
----------	--

The parameter *key* is the key in the default GConf repository to unset.

Example 3.2. Remove

```
sample:
  gconf remove /desktop/gnome/url-handlers/mailto/command
```

3.2. Configuration Application

3.2.1. Phase

The `gconf` change are applied in the `configure` phase.

3.2.2. Order

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

3.2.3. Application

Each change is applied with one execution of the GNOME configuration tool.

3.2.4. Trigger Flag

The trigger flag for triggered changes is set when an `gconf` change needs to be applied.

3.2.5. Root Directory

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

Appendix A. Error Messages

A.1. System Errors

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

Failed to obtain GConf default source

The default GConf default source could not be determined by running the GNOME configuration tool with the command line option `--get-default-source`.

A.2. Configuration Data Errors

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

Invalid action '...' in ...

The action must be `set` or `clear`.

A.3. Configuration Application Errors

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

Invalid action '...' in ...

The action must be `set` or `clear`.

Failed to *action* key *key* in ...

The key could not be set or cleared. Typically the specified key does not exist in the GConf repository.