Hedgehog Upgrade Guide: 2.2.0 to 2.3.0

This document describes how to upgrade a server from release 2.2.0 to release 2.3.0 of Hedgehog via packages.

Back up the old installation

If desired, back up the existing installation (the directory structure in the User Guide is a useful reference) and database.

1. Pre-installation

1.2 Cron jobs

Stop refile and grok cron job running:

```
sudo -u hedgeghog crontab -e
# Import XML data every 15 mins
# 00,15,30,45 * * * * <prefix>/bin/refile_and_grok.sh -c >>
/var/log/hedgehog/refile_and_grok_xml_to_db.sh.log 2>&1
```

Comment out any other jobs that are about to run. If the dsc-extractor process is running wait for it to finish before continuing.

1.3 Disable web front end

It is recommended to disable the web front end during upgrade e.g by enabling a holding page.

2. Upgrade of Packages

```
sudo apt-get update
sudo apt-get upgrade
```

2.1 Update the config file if needed

In 2.3 a new configuration option is introduced. In the /etc/hedgehog/hedgehog_gui.yaml file there is now a parameter 'default_plot_name' that controls which plot is presented by default when the Hedgehog web page is loaded. To specify a plot use the 'Hedgehog internal plot name' (as found in the Hedgehog User Guide) in this field. If no plot is specified the the 'By region' plot is used.

```
default_plot_name              : by_region   # default plot name (See Hedgehog internal plot name
in the user guide)
```

2.2 Run DDL scripts

```
# Manually run the following scripts
sudo -u hedgehog /usr/lib/hedgehog/DDL_updates/000014_ddl_service_addr
sudo -u hedgehog /usr/lib/hedgehog/DDL_updates/000015_ddl_byregion
```

2.3 Update the server service address table

A new feature in 2.3 allows the user to specify the set of server addresses that are displayed in the 'By server IP Address' plot. This is useful to restrict the display to just show messages to the server service address. By default all the server addresses are displayed. However if entries are added to the server addres table then ONLY those addresses are displayed. Addresses can be added by adding lines in the /etc/hedgehog/service_addr.csv file and then running the script

```
sudo -u hedgehog hedgehogctl database_update_service_addr
```

All the entries in the table can be removed by running

```
sudo -u hedgehog hedgehogctl database_update_service_addr -d
```

2.4 Flush the cache

If entries have been changed (added or deleted) in the server address table then it is advisable to flush the plotcache for the 'By server IP address' plot so that all plots are re-generated with the latest settings. This can be done interactively using the script

```
sudo -u www-data hedgehogctl plotcache_rm_cached_plots
```

and selecting the 'server_addr' plot from the list.

The behaviour of the 'By node' graph has changed slightly so that it now always plots lines for each node (it previously grouped by Region if all nodes were selected). If so desired, the cache can also be flushed for this graph so that the new behaviour is seen for older plots.

3. Post-install

4.1 Test web front end

Re-enable and test the web front end. Make sure to restart apache.

```
sudo service apache2 reload
```

3.2 Re-enable cron jobs

Restart refile and grok cron job running:

```
sudo -u hedgehog crontab -e
# Import XML data every 15 mins
00,15,30,45 * * * * /usr/bin/refile_and_grok -c >>
/var/log/hedgehog/refile_and_grok_xml_to_db.log 2>&1
```

Re-enable any other jobs that were disabled for the upgrade.