Hedgehog Upgrade Guide: 2.0.0b1 to 2.0.0b2

This document describes how to upgrade a server from release 2.0.0.b1 to release 2.0.0.b2 of Hedgehog

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

1.1 Install new dependancies

Install additional packages

```
sudo apt-get install libyaml-tiny-perl
```

Install additional R packages

```
sudo R
install.packages(c("dplyr"))
q()
```

1.2 Download, configure and make new release

Download the 2.0.0b2 release from github: https://github.com/dns-stats/hedgehog/archive/2.0.0b2.tar.gz

(If you downloaded the above URL with wget the tarball will be called 2.0.0b2.tar.gz)

```
tar -xzf hedgehog-2.0.0b2.tar.gz
cd hedgehog-2.0.0.b2
./autogen.sh
mkdir build
cd build
../configure
make
```

1.3 Cron jobs

Stop refile and grok cron job running:

```
sudo -u hedgegho crontab -e
# Import XML data every 15 mins
00,15,30,45 * * * * <prefix>/bin/refile_and_grok.sh -c >>
/home/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.

1.4 Disable web front end

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

2. Installation

2.1 Install new release

```
cd hedgehog-2.0.0b2/build
sudo make install
sudo make install-rpg
```

⚠ Note that 'make install-rpg' is required in addition to make install. It installs an R package to assist with the database connection.

2.2 Remove moved/deleted files

Some files were moved or deleted between b1 and b2. To clean the install directory run the following commands

```
sudo rm -rf <prefix>/sbin/hedgehog_database_create.d/
sudo rm    <prefix>/bin/hedgehog_conf_read.sh
```

2.3 Update configuration settings

2.3.1 *<prefix>/etc/hedgehog/hedgehog.yaml*

In 2.0.0b2 the format of this file has changed as additional parameters have been added.

- The installed 2.0.0b1 hedgehog.yaml file is **not** overwritten by the 2.0.0b2 installation.
- A 2.0.0b2 sample file is installed in *<prefix>/etc/hedgehoghedgehog.yaml.sample.*
- If default parameters were used in 2.0.0b1, then simply copy the sample file into place using the command below. Otherwise a manual migration to the new file format is required.

```
sudo cp <prefix>/etc/hedgehog/hedgehog.yaml.sample <prefix>/etc/hedgehog/hedgehog.yaml
```

2.3.2 *<prefix>/etc/hedgehog/hedgehog_gui.yaml*

In 2.0.0b2 the default setting for the *default_interactive_plot_type* has changed from flash to svg.

- The installed 2.0.0b1 hedgehog.yaml file will not have been overwritten by the installation.
- A 2.0.0b2 sample file is installed in *<prefix>/etc/hedgehoghedgehog_gui.yaml.sample.*

2.4 Upgrade database

Note that the *000009_ddl_node_index.sh* script requires user input and it is recommended to read the usage (use the -h flag) before running this script.

```
sudo -u hedgehog /<prefix>/bin/DDL_updates/000008_ddl_traffic_difference.sh
sudo -u hedgehog /<prefix>/bin/DDL_updates/000009_ddl_node_index.sh
```

2.5 Web cache

Axis labels have been added to the gviz plots and several minor bugs in the plots have been fixed. If you wish to flush the cache of existing plot files so that all plots will be re-generated with the new release then run the command below.

```
sudo -u hedgehog /<prefix>/bin/hedgehog_plotcache_rm_cached_plots.sh -a
```

3. Post-install

3.1 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 * * * * <prefix>/bin/refile_and_grok.sh -c >>
/home/hedgehog/refile_and_grok_xml_to_db.sh.log 2>&1
```

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