Hedgehog Upgrade Guide: 2.0.0b2 to 2.0.0rc1

This document describes how to upgrade a server from release 2.0.0.b2 to release 2.0.0.rc1 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 Changes to scripts

> There have been several changes since the 2.0.0b2 release related to the tools.
>
> - If you have cron jobs configured, please read the notes below and update as necessary.
> - The Installation Guide provides examples of setting up the 2.0.0rc1 cron jobs for the different users/components.

1. The Tools scripts have moved to <prefix>/libexec/hedgehog/
   a. Note that refile_and_grok is still in <prefix>/bin
2. There is a wrapper provided script to run the Tools: <prefix>/bin/hedgehogctl
3. The .sh extension has been removed from all the scripts/tools
4. The hedgehog_ prefix has been removed from all the Tools scripts
5. Some parameters have been changed for improved consistency
6. There has been a change to which user should run each script, to reduce the use of the <DB_OWNER> user for split installs

The table below details the changes.

2.0.0b2		2.0.0rc1			
name	location under <prefix>	name	location under <prefix>	Notes	Script user
refile_and_grok.sh	bin	refile_and_grok	bin		<DB_OWNER>
hedgehog_database_create.sh	sbin	database_create	libexec/hedgehog		Database admin
		hedgehogctl	bin	Wrapper script for the tools	<DB_OWNER> or <DB_READ_USER>
hedgehog_conf_read.pl	bin	conf_read	libexec/hedgehog		
hedgehog_database_init.sh	bin	database_init	libexec/hedgehog		<DB_OWNER>
hedgehog_database_manage_partitions.sh	bin	database_manage_partitions	libexec/hedgehog	The '-p' flag has changed to '-m'	<DB_OWNER>
hedgehog_database_update_nodes.sh	bin	database_update_nodes	libexec/hedgehog		<DB_OWNER>
hedgehog_datafiles_create_summary.sh	bin	datafiles_create_summary	libexec/hedgehog		<DB_OWNER>
hedgehog_datafiles_rm_empty_xml_dirs.sh	bin	datafiles_rm_empty_xml_dirs	libexec/hedgehog		<DB_OWNER>
hedgehog_datafiles_tar_old_xml_files.sh	bin	datafiles_tar_old_xml_files	libexec/hedgehog		<DB_OWNER>
hedgehog_plotcache_generate_cached_plots.sh	bin	plotcache_generate_cached_plots	libexec/hedgehog		<DB_READ_USER>
hedgehog_plotcache_rm_cached_plots.sh	bin	plotcache_rm_cached_plots	libexec/hedgehog		<DB_READ_USER>
hedgehog_rssac_generate_reports	bin	rssac_generate_reports	libexec/hedgehog	• The '-s' flag has been changed to '-d' • The -D and -u flags have been removed	<DB_READ_USER>
hedgehog_rssac_process_unique_source_data.sh	bin	datafiles_process_rssac_data	libexec/hedgehog	This script must now be run separately and before the rssac_generate_reports script.	<DB_OWNER>
hedgehog_rssac_rm_old_unique_source_data.sh	bin	datafiles_rm_old_rssac_data	libexec/hedgehog	The '-s' flag has been changed to '-d'	<DB_OWNER>
DDL_updates	bin	DDL_updates	libexec/hedgehog		<DB_OWNER>

1.2 Changes to directory permissions

```
sudo chown -R <DB_READ_USER>:<DB_READ_USER> <prefix>/var/hedgehog/www
```

1.3 Download, configure and make new release

Download the 2.0.0b2 release from github: https://github.com/dns-stats/hedgehog/archive/2.0.0rc1.tar.gz

(If you downloaded the above URL with wget the tarball will be called 2.0.0rc1.tar.gz)

```
tar -xzf hedgehog-2.0.0rc1.tar.gz
cd hedgehog-2.0.0.rc1
./autogen.sh
mkdir build
cd build
../configure
make
```

1.4 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.

1.5 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-2.0.0rc1/build
sudo make install
```

> Note that in rc1 'make install-rpg' step is no longer required on install.

2.2 Remove moved/deleted files

Some files were moved or deleted between b2 and rc1. To clean the install directory run the following commands

```
cd <prefix>/include
sudo rm DSCDataManager.h DSCIOManager.h \
        DSCStrategyFactory.h DSCStrategy.h \
        dsc_types.h Format1DSCStrategy.h \
        Format2DSCStrategy.h Format3aDSCStrategy.h \
        Format3bDSCStrategy.h Format4DSCStrategy.h
cd <prefix>/lib
sudo rm libdsc.a libdsc.la libdsc.so libdsc.so.0 libdsc.so.0.0.0
cd <prefix>/bin
sudo rm -rf DDL_updates
sudo rm hedgehog_conf_read.pl \
        hedgehog_database_init.sh \
        hedgehog_database_manage_partitions.sh \
        hedgehog_database_update_nodes.sh
        hedgehog_datafiles_create_summary.sh \
        hedgehog_datafiles_rm_empty_xml_dirs.sh
        hedgehog_datafiles_tar_old_xml_files.sh \
        hedgehog_plotcache_generate_cached_plots.sh
        hedgehog_plotcache_rm_cached_plots.sh \
        hedgehog_rssac_generate_reports.sh
        hedgehog_rssac_process_unique_source_data.sh \
        hedgehog_rssac_rm_old_unique_source_data.sh refile_and_grok.sh
sudo rm <prefix>/sbin/hedgehog_database_create.sh
```

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

> Remember to use the new script names and syntax when re-enabling the 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 -c >> /home/hedgehog/refile_and_grok_xml_to_db.log 2>&1
```

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