

Hedgehog Upgrade Guide: 2.0.0b2 to 2.0.0rc2

This document describes how to upgrade a server from release 2.0.0.b2 to release 2.0.0.rc2 of Hedgehog

2.0.0rc1 and 2.0.0rc2 differ only in the inclusion of documentation source code to support packaging. Users already on rc1 do not need to upgrade to rc2.

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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 2.0.0rc2 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		2.0.0rc2			
name	location under <prefix>	name	location under <prefix>	Notes	Script u
refile_and_grok.sh	bin	refile_and_grok	bin		<DB_OV
hedgehog_database_create.sh	sbin	database_create	libexec/hedgehog		Databas
		hedgehogctl	bin	Wrapper script for the tools	<DB_OV <DB_RE
hedgehog_conf_read.pl	bin	conf_read	libexec/hedgehog		
hedgehog_database_init.sh	bin	database_init	libexec/hedgehog		<DB_OV
hedgehog_database_manage_partitions.sh	bin	database_manage_partitions	libexec/hedgehog	The '-p' flag has changed to '-m'	<DB_OV
hedgehog_database_update_nodes.sh	bin	database_update_nodes	libexec/hedgehog		<DB_OV
hedgehog_datafiles_create_summary.sh	bin	datafiles_create_summary	libexec/hedgehog		<DB_OV

hedgehog_datafiles_rm_empty_xml_dirs.sh	bin	datafiles_rm_empty_xml_dirs	libexec/hedgehog		<DB_OV
hedgehog_datafiles_tar_old_xml_files.sh	bin	datafiles_tar_old_xml_files	libexec/hedgehog		<DB_OV
hedgehog_plotcache_generate_cached_plots.sh	bin	plotcache_generate_cached_plots	libexec/hedgehog		<DB_RE
hedgehog_plotcache_rm_cached_plots.sh	bin	plotcache_rm_cached_plots	libexec/hedgehog		<DB_RE
hedgehog_rssac_generate_reports	bin	rssac_generate_reports	libexec/hedgehog	<ul style="list-style-type: none"> The '-s' flag has been changed to '-d' The -D and -u flags have been removed 	<DB_RE
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_OV
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_OV
DDL_updates	bin	DDL_updates	libexec/hedgehog		<DB_OV

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 2.0.0rc2 release from github: <https://github.com/dns-stats/hedgehog/archive/2.0.0rc2.tar.gz>

(If you downloaded the above URL with wget the tarball will be called 2.0.0rc2.tar.gz)

```
tar -xzf hedgehog-2.0.0rc2.tar.gz
cd hedgehog-2.0.0.rc2
./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-2.0.0rc2/build
sudo make install
```

Note that in rc2 '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 rc2. 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.