

**Red Hat Network Satellite**

**5.0.0**

# **Release Notes 5.0.0**



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## Red Hat Network Satellite: Release Notes 5.0.0

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# Major Features

The following are the major features released as part of Red Hat Network Satellite 5.0.0.

- RHN Satellite Server 5.0.0 includes virtualization management features, including the ability to provision virtual guests, stop, start, and pause them.
- Red Hat Network's entitlement model has been updated to accommodate virtual guests.
- Channel names have been refactored to accommodate Red Hat Enterprise Linux 5's new Server and Client product variants.





## Major Corrections

The following are the major bug fixes released as part of Red Hat Network 5.0.0.

- The return codes for `satellite-sync` have been updated and expanded. The new codes may be viewed on a satellite by executing the command `satellite-sync --list-error-codes`. The new return codes are:

```
-1 - Could not lock file or KeyboardInterrupt or SystemExit
0 - User interrupted or intentional exit.
1 - attempting to run more than one instance of satellite-sync.
2 - Unable to find synchronization tools.
3 - a general socket occurred
4 - an SSL error occurred. Recheck your SSL settings.
5 - RHN error
6 - unhandled exception occurred
7 - unknown sync error
8 - ERROR: must be root to execute
9 - rpclib fault during synchronization init
10 - synchronization init error
11 - Error parsing XML stream
12 - Channel do not exist
13 - SQL error during importing package metadata
14 - SQL error during linking channel packages
15 - SQL error during xml processing
16 - server.mount_point not set in the configuration file
17 - SQL error during retrieving the channels already imported in the
satellite's database
18 - Wrong db connection string in rhn.conf
19 - Bad arguments
20 - Could not connect to db.
21 - Bad debug level
22 - Not valid step
23 - error: --rhn-cert requires --mount-point
24 - no such file
25 - no such directory
```

- A configuration option has been added to `osad.conf`. This setting allows a user to toggle whether `rhn_check` runs when `osad` is run with a debug level of 5 or greater. Set the `run_rhn_check` option to 1 to perform the check when the debug level is set to 5.
- Deleting multiple systems from a Satellite that has Monitoring enabled no longer results in an Internal Server Error.
- A bug that caused kickstarts to ignore the **sync to package profile** option of a kickstart profile for 64-bit systems has been corrected.
- A bug that prevented the installation of packages from an RHN Proxy using `yum` has been corrected.

- Executing the `Satellite Installation Program` with unknown options now causes the program to stop, rather than continuing while ignoring the unknown option.
- The **Pending Actions** page of the **Schedule** tab now includes a **Cancel Actions** button. This button allows a user to cancel actions that have not yet occurred.
- The contents of the RHN Tools child channel are required in order to perform a bare metal kickstart. When creating a kickstart profile from a base channel that does not have this child channel, a message appears to indicate that necessary packages do not exist in the specified base channel.
- The API no longer logs passwords in `rhn_web_api.log` as a result of `auth.login` requests.
- The `RHN Applet` now checks for available updates more frequently than in the past.
- The `taskomatic` process no longer fails when it cannot contact an external database.
- Bare metal kickstarts are now included in the list of **Systems Currently Kickstarting** on the **Kickstart Overview** page.
- The timezone `America/Toronto` has been added to the appropriate drop-down menu in the kickstart profile creation process.
- A bug that corrupted `pre-` and `post-scripts` added to kickstart profiles via the web interface has been corrected.
- The command `service rhn-satellite status; echo$?` now produces an accurate return code. This enables Red Hat Cluster Suite to monitor the health of an RHN Satellite Server.
- Changing the notification method for the administrator account of a Satellite no longer causes an Internal Server Error.
- A bug that caused the `--step=rpms` and the `--no-rpms` options of `satellite-sync` to fail has been corrected.
- It is now possible to export data from a 4.1.0 RHN Satellite Server and import it into an 5.0.0 Satellite.
- The `bootstrap.sh` script generated for Red Hat Enterprise Linux 5 systems now makes use of `yum`.
- The `python-cheetah-1.0-2.el4.i386.rpm` package has been removed from the RHN Satellite Server ISO; it is not required for installation.
- It is again possible to kickstart between compatible 32-bit and 64-bit base channels.
- When executing a package profile sync by issuing `rhn_check -vv` on a client system, any missing packages are listed by name in the command's output.
- A bug that prevented snapshot tags from being properly created has been fixed.

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- A bug that prevented changing a host's subscribed channel to a custom channel has been corrected.
  - It is now possible to select all systems that subscribe to a given child channel and work with them via the **System Set Manager**.
  - Partition schemes in kickstart profiles now remain in the same order unless manually changed. The partition order will not automatically change when the profile is accessed or cloned.
  - Attempting to schedule a second kickstart after the first kickstart has completed no longer results in an error message that indicates another kickstart is pending.
  - For Satellites that authenticate users via PAM, attempting to login with an expired password no longer causes the Satellite to hang. Instead, the login attempt fails.
  - The size limit of `pre-` and `post-scripts` to kickstart profiles has been increased to 150,000 characters. There is also a configurable value in `/etc/rhn/rhn.conf` that allows a user to select the maximum length of such scripts. Edit the `web.kickstart_script_max_length` entry to change the size of the scripts.
  - A new option has been added to `rhn-satellite-exporter`. The `--hard-links` option exports hard links to the packages in `/var/satellite`, rather than copies of the packages.
  - A bug that caused an Internal Server Error when disabling Monitoring a second time has been corrected.
  - Kickstart files generated via RHN have been reordered such that the standard Message of the Day (MOTD) created by RHN can be overridden by a user's post script. Changes to `/etc/motd` made in the post section of a kickstart profile will override the RHN MOTD.
  - The command `service httpd status` on RHN Satellite has been modified so that the generated return code accurately reflects the status of `httpd`, which allows the Satellite to function with Red Hat Cluster Suite.
  - The command `service osa-dispatcher status` on RHN Satellite has been modified so that the generated return code accurately reflects the status of `httpd`, which allows the Satellite to function with Red Hat Cluster Suite.
  - When searching for a package within a given channel, the search function again returns all versions of that package, not just the latest version.

