



# Red Hat Network Satellite 5.4.1

## Release Notes

Red Hat Network Satellite

Edition 1

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Red Hat Network Satellite  
Edition 1

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## Abstract

Welcome to the RHN Satellite Release Notes.

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# CHAPTER 1. MAJOR FEATURES

Major features released for Red Hat Network Satellite 5.4.1.

- RHN Proxy and RHN Satellite can now be installed on RHEL 6.1 (or newer) for 64-bit or IBM System z architectures
- Internationalized domain names can now be used for client system, RHN Proxy and RHN Satellite server hostnames
- New documentation for this release:
  - *RHN Satellite User Guide*
  - *RHN Satellite Getting Started Guide*



## IMPORTANT

SELinux + Monitoring is offered in this release as a technical preview for Red Hat Enterprise Linux 5 and Red Hat Enterprise Linux 6 installations of RHN Satellite and RHN Proxy.



## IMPORTANT

When updating from RHN Satellite 5.4 to RHN Satellite 5.4.1, read the update instructions contained within the newest `rhn-upgrade` package. These are located at `/etc/sysconfig/rhn/satellite-upgrade/point-release-update.txt`.

When updating from RHN Satellite 5.4 to RHN Satellite 5.4.1, packages within the Red Hat channel Satellite WebUI could see that their content provider is displayed as **Unknown**. This will occur if you have not previously applied the solution from *RHBA-2011:0387-2*. You can choose to apply it now by running the following command (see [BZ#710398](#) for more information):

```
spacewalk-update-signatures -d $(spacewalk-cfg-get default_db)
```

## CHAPTER 2. ENHANCEMENTS

Improvements and enhancements added for RHN Satellite 5.4.1

- [BZ#248465](#)

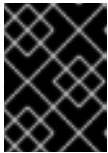
Locale and timezone preferences can be set when adding a new user in the RHN Satellite web interface.

- [BZ#648640](#)

The search function in the RHN Satellite web interface allows users to disable fuzzy string searches, and return only exact results

- [BZ#659138](#)

Taskomatic has an administration interface within the **Admin** section of the RHN Satellite web interface



### IMPORTANT

Scheduled tasks should only be modified with a complete understanding of the change, or when directed to do so by Red Hat.

- [BZ#604175](#)

The **satellite-sync** command for Inter-Satellite Sync remembers previously synchronized custom channels

- [BZ#217531](#)

The **satellite-sync** command provides information about the remaining time when downloading packages

- [BZ#683539](#)

The **System Overview** page indicates the flex entitlement consumption per system channel in applicable scenarios



## CHAPTER 3. MAJOR CORRECTIONS

Major bug fixes and workarounds released for RHN Satellite 5.4.1.

- [BZ#703376](#)

The **rhncfg-\* -5.9.27-15** component contained a regression that caused the configuration file's directory structure to be recreated within each path component. The **rhncfg-\* -5.9.27-15** component was upgraded to remove the regression, and configuration files are now being written to the expected path.

- [BZ#703377](#)

The **maxMember** and **maxFlex** values were reporting **NULL** parameters. When a Satellite Administrator attempted to adjust software channel entitlements, an internal server error would be received. The **maxMember** and **maxFlex** values now use **0** rather than **NULL** parameters, and software channel entitlements are now building as expected.

- [BZ#703378](#)

Previously, certain applications that operate on files in the **/etc/rhn/** directory, including the RHN Satellite web interface, could have changed the permissions of those files. If the permissions were changed, and an administrator also changed the default permissions on the **/etc/rhn/** directory (mode 750), non-Satellite applications and users would be able to access the affected files.

With this update, the affected applications no longer change the permissions of files in **/etc/rhn/**.

- [BZ#703379](#)

Running RHN Satellite 5.3 on Red Hat Enterprise Linux 5.5 64-bit systems, with SELinux in Enforcing mode, and without setting the **allow\_httpd\_mod\_auth\_pam** SELinux boolean can lead to system registration with Kerberos PAM authentication to fail. To work around this issue, set the **allow\_httpd\_mod\_auth\_pam** SELinux boolean to **TRUE** so that users can register systems using Kerberos authentication.

- [BZ#703380](#)

A regression occurred in the **client.configchannel.deleteFiles** API call, that caused files not to be deleted correctly. The regression in the API call was fixed and files can now be deleted and added back successfully.

- [BZ#703381](#)

Using the **errata.clone()** API to clone a specific errata to a cloned or custom channel would create a search through all packages belonging to the errata from all channels. In this case, the correct packages would be added, as well as packages from different channels with the same name and architecture as the ones from the cloned channel. The search no longer looks through unrelated channels, and only the correct packages are added.

- [BZ#703384](#)

Under Red Hat Enterprise Linux 6 with SELinux disabled, using the web UI to compare the differences between a revision file would cause the **lgetfilecon** function to throw an exception and display a fatal error. The exception is now handled quietly, and the task allowed to

complete as expected.

- [BZ#703385](#)

When provisioning a Red Hat Enterprise Linux 6 system with a static network interface, the kickstart file would not be included in the ramdisk, and the provisioning would not complete. The kickstart file is now included in the ramdisk, and provisioning these systems now completes successfully.

## CHAPTER 4. KNOWN ISSUES

Known issues and workarounds found in RHN Satellite 5.4.1

- [BZ#651146](#)

When installing RHN Proxy, use the command line installer. The web interface has been deprecated and is not supported for installing RHN Proxy 5.4.1 on RHEL 6.

## CHAPTER 5. API INFORMATION

### New APIs

- **errata.publishAsOriginal**

Publishes an existing, unpublished, cloned erratum to a set of cloned channels according to the original erratum

- **errata.cloneAsOriginal**

Clones a list of errata into a specified cloned channel according the original erratum

### Modified APIs (interface changes only)

- **channel.software.getDetails(sessionKey, channelLabel)**

Added *last\_modified* attribute

- **channel.software.getDetails(sessionKey, id)**

Added *last\_modified* attribute

- **channel.software.listChildren**

Added *last\_modified* attribute

- **kickstart.listKickstartableChannels**

Added *last\_modified* attribute

- **system.getSubscribedBaseChannel**

Added *last\_modified* attribute

- **system.listSubscribedChildChannels**

Added *last\_modified* attribute

- **system.listSystemEvents**

Added *scheduler\_user* attribute (BZ#653305)

### APIs Recently Deprecated

- None

### APIs Recently Removed

APIs are very rarely removed. If new functionality is required, new API calls will be introduced.

- None

### API Bugs

This is a list of Bugzillas that have affected APIs.

- [BZ#644700](#)  
API -> configchannel.lookupFileInfo fails for files with escape characters
- [BZ#648640](#)  
[RFE] Add a check-box option to disable fuzzy-string search
- [BZ#688509](#)  
System status is always shown as up to date if its base channel was cloned using API
- [BZ#644880](#)  
Possibility to assign 64 package into 32 channel by channel.software.addPackages
- [BZ#663490](#)  
Using Satellite API to download packages generates a java.lang.OutOfMemoryError: Java heap space
- [BZ#653305](#)  
listSystemEvents fails when errata update scheduled by (none)
- [BZ#640958](#)  
org.setSoftwareFlexEntitlements vs org.setSoftwareEntitlements, setting reg. ent. set flex to zero and vice-versa
- [BZ#640928](#)  
system.convertToFlexEntitlement, redstone.xmlrpc.XmlRpcFault: unhandled internal exception: java.lang.Integer incompatible with java.lang.Long
- [BZ#639134](#)  
Satellite API call 'listSystemsWithPackage' disregards package architecture
- [BZ#658653](#)  
Satellite java.lang.OutOfMemoryError when bigger then 500 systems for Guests Consuming Regular Entitlements
- [BZ#645842](#)  
API call configchannel.lookupFileInfo() does not return 'macro-start-delimiter' and 'macro-end-delimiter'
- [BZ#620578](#)  
Satellite 5.3: RHN API call errata.publish pushes all packages in errata into target channel regardless of RHEL release (e.g., RHEL 5 pkgs into RHEL 4 channel)

## APPENDIX A. REVISION HISTORY

<b>Revision 1-1.400</b> Rebuild with publican 4.0.0	<b>2013-10-31</b>	<b>Rüdiger Landmann</b>
<b>Revision 1-1</b> Rebuild for Publican 3.0	<b>2012-07-18</b>	<b>Anthony Towns</b>
<b>Revision 1-0</b> Prepared for publication	<b>Thu June 16 2011</b>	<b>Lana Brindley</b>
<b>Revision 0-8</b> BZ#659138	<b>Thu June 16 2011</b>	<b>Lana Brindley</b>
<b>Revision 0-7</b> BZ#703378	<b>Wed June 15 2011</b>	<b>Lana Brindley</b>
<b>Revision 0-6</b> BZ#703378	<b>Tue June 14 2011</b>	<b>Lana Brindley</b>
<b>Revision 0-5</b> Tech review BZ#710398	<b>Thu June 9 2011</b>	<b>Lana Brindley</b>
<b>Revision 0-4</b> BZ#703376 BZ#703377 BZ#703379 BZ#703380 BZ#703384 BZ#703385	<b>Wed June 8 2011</b>	<b>Lana Brindley</b>
<b>Revision 0-3</b> BZ#708319 BZ#703406 BZ#703404 BZ#700295	<b>Tue June 7 2011</b>	<b>Lana Brindley</b>
<b>Revision 0-2</b> Initial content	<b>Tue June 7 2011</b>	<b>Lana Brindley</b>
<b>Revision 0-1</b> Prepared book for 5.4.1 content	<b>Thu May 12 2011</b>	<b>Lana Brindley</b>