

OpenNMS 1.8.3

Release Notes

Release Notes for OpenNMS Version 1.8.3



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Edition 1

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This book details the release notes for OpenNMS version 1.8.3.

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Preface

1. Document Conventions

This manual uses several conventions to highlight certain words and phrases and draw attention to specific pieces of information.

In PDF and paper editions, this manual uses typefaces drawn from the [Liberation Fonts](https://fedorahosted.org/liberation-fonts/)¹ set. The Liberation Fonts set is also used in HTML editions if the set is installed on your system. If not, alternative but equivalent typefaces are displayed. Note: Red Hat Enterprise Linux 5 and later includes the Liberation Fonts set by default.

1.1. Typographic Conventions

Four typographic conventions are used to call attention to specific words and phrases. These conventions, and the circumstances they apply to, are as follows.

Mono-spaced Bold

Used to highlight system input, including shell commands, file names and paths. Also used to highlight keycaps and key combinations. For example:

To see the contents of the file **my_next_bestselling_novel** in your current working directory, enter the **cat my_next_bestselling_novel** command at the shell prompt and press **Enter** to execute the command.

The above includes a file name, a shell command and a keycap, all presented in mono-spaced bold and all distinguishable thanks to context.

Key combinations can be distinguished from keycaps by the hyphen connecting each part of a key combination. For example:

Press **Enter** to execute the command.

Press **Ctrl+Alt+F1** to switch to the first virtual terminal. Press **Ctrl+Alt+F7** to return to your X-Windows session.

The first paragraph highlights the particular keycap to press. The second highlights two key combinations (each a set of three keycaps with each set pressed simultaneously).

If source code is discussed, class names, methods, functions, variable names and returned values mentioned within a paragraph will be presented as above, in **mono-spaced bold**. For example:

File-related classes include **filesystem** for file systems, **file** for files, and **dir** for directories. Each class has its own associated set of permissions.

Proportional Bold

This denotes words or phrases encountered on a system, including application names; dialog box text; labeled buttons; check-box and radio button labels; menu titles and sub-menu titles. For example:

Choose **System** → **Preferences** → **Mouse** from the main menu bar to launch **Mouse Preferences**. In the **Buttons** tab, click the **Left-handed mouse** check box and click

¹ <https://fedorahosted.org/liberation-fonts/>

Close to switch the primary mouse button from the left to the right (making the mouse suitable for use in the left hand).

To insert a special character into a **gedit** file, choose **Applications** → **Accessories** → **Character Map** from the main menu bar. Next, choose **Search** → **Find...** from the **Character Map** menu bar, type the name of the character in the **Search** field and click **Next**. The character you sought will be highlighted in the **Character Table**. Double-click this highlighted character to place it in the **Text to copy** field and then click the **Copy** button. Now switch back to your document and choose **Edit** → **Paste** from the **gedit** menu bar.

The above text includes application names; system-wide menu names and items; application-specific menu names; and buttons and text found within a GUI interface, all presented in proportional bold and all distinguishable by context.

Mono-spaced Bold Italic or ***Proportional Bold Italic***

Whether mono-spaced bold or proportional bold, the addition of italics indicates replaceable or variable text. Italics denotes text you do not input literally or displayed text that changes depending on circumstance. For example:

To connect to a remote machine using ssh, type **ssh *username@domain.name*** at a shell prompt. If the remote machine is **example.com** and your username on that machine is john, type **ssh *john@example.com***.

The **mount -o remount *file-system*** command remounts the named file system. For example, to remount the **/home** file system, the command is **mount -o remount */home***.

To see the version of a currently installed package, use the **rpm -q *package*** command. It will return a result as follows: ***package-version-release***.

Note the words in bold italics above — *username*, *domain.name*, *file-system*, *package*, *version* and *release*. Each word is a placeholder, either for text you enter when issuing a command or for text displayed by the system.

Aside from standard usage for presenting the title of a work, italics denotes the first use of a new and important term. For example:

Publican is a *DocBook* publishing system.

1.2. Pull-quote Conventions

Terminal output and source code listings are set off visually from the surrounding text.

Output sent to a terminal is set in **mono-spaced roman** and presented thus:

```
books      Desktop  documentation  drafts  mss    photos  stuff  svn
books_tests Desktop1  downloads      images  notes  scripts svgs
```

Source-code listings are also set in **mono-spaced roman** but add syntax highlighting as follows:

```
package org.jboss.book.jca.ex1;
```

```
import javax.naming.InitialContext;

public class ExClient
{
    public static void main(String args[])
        throws Exception
    {
        InitialContext iniCtx = new InitialContext();
        Object          ref    = iniCtx.lookup("EchoBean");
        EchoHome        home   = (EchoHome) ref;
        Echo             echo   = home.create();

        System.out.println("Created Echo");

        System.out.println("Echo.echo('Hello') = " + echo.echo("Hello"));
    }
}
```

1.3. Notes and Warnings

Finally, we use three visual styles to draw attention to information that might otherwise be overlooked.



Note

Notes are tips, shortcuts or alternative approaches to the task at hand. Ignoring a note should have no negative consequences, but you might miss out on a trick that makes your life easier.



Important

Important boxes detail things that are easily missed: configuration changes that only apply to the current session, or services that need restarting before an update will apply. Ignoring a box labeled 'Important' won't cause data loss but may cause irritation and frustration.



Warning

Warnings should not be ignored. Ignoring warnings will most likely cause data loss.

2. We Need Feedback!

If you find a typographical error in this manual, or if you have thought of a way to make this manual better, we would love to hear from you. Please submit a report in our Bugzilla system: <http://bugzilla.opennms.org>.

Make sure to file against the problems in this manual against the Documentation component of the OpenNMS product, and to mention the identifier of this book: *Release_Notes*

If you prefer to not use Bugzilla, or have a concern which requires a different level of feedback, you can also:

Preface

- Subscribe to one of the many [OpenNMS Email Discussion Lists](#)²
- Chat with us on IRC at irc.freenode.net in the #opennms channel.
- Call, Write, Skype or Fax The OpenNMS Group's Commercial Support. Details for contacting The OpenNMS Group, Inc. can be found at the [Contact Us Form](#)³ on their website.

Overview

OpenNMS 1.8.3 is the fourth release of the 1.8 series of production-ready OpenNMS releases. It is a bug fix release from 1.8.2, and is a recommended upgrade for most users.

1.1. Major New Features

No Major new features have been added in 1.8.3.

1.2. Minor New Features

- Logging verbosity has been turned down to settings similar to the 1.6 series of OpenNMS, DEBUG logging is no longer the default. On systems where logging was shared with the same disk as other tasks, this may result in a small performance increase in the overall application.

Requirements

2.1. Supported Platforms

OpenNMS is written almost entirely in Java, and should be able to run on any system that supports the Sun Java Virtual Machine -- OpenNMS 1.3.x and higher requires Java 5 or higher. There are requirements for other programs such as PostgreSQL and Perl, but the JDK is the key requirement as most of the other packages can be compiled from source.

2.1.1. Fully Supported Platforms

The following systems are supported out-of-the-box with native installation packages.

RPM-Based Distributions (Using YUM)

- Red Hat Enterprise Linux 3 and later

- CentOS 3 and later

- Fedora Core 4 and later (including 64-bit)

- SuSE Linux 9 and 10 (Using the YUM repository through YAST)

Other RPM-based Distributions

- Mandriva Linux 2007 and later (Using URPMI)

Debian and Ubuntu Linux

- Debian Etch and later

- Ubuntu 6.10 and later

Oracle Solaris

- Solaris 10 SPARC

- Solaris 10 x86

Apple Mac OS

- Mac OS X 10.4 and later (via Fink)

Microsoft Windows Operating System

- Windows Server operating system

- Windows 2000 operating system and later



Non-UNIX-like Operating Systems

Note that while it is technically possible to install on FAT32, NTFS is the only officially supported filesystem for Windows installs. Additionally, while Windows is supported, OpenNMS is much more heavily tested (and easier to maintain) on UNIX, and it is recommended that unless you have a specific reason to go with Windows, that you use one of the supported UNIX-based operating systems.

2.1.2. Unsupported Platforms

OpenNMS 1.3.7 and up require Java 5 (a 1.5 JDK) and PostgreSQL 7.4 or higher. In addition, for native RRD support (as opposed to the builtin Java-based JRobin round-robin database), RRDTool 1.2 is required.

Any operating system that can support these dependencies should be able to run OpenNMS. However, since many older distributions do not support packages for these applications it will be much harder to get them installed, and so they are not officially supported.

A number of distributions that used to be supported are still able to run OpenNMS but are not officially supported.

Gentoo

Gentoo ebuilds used to be available but are no longer officially maintained, as no Gentoo packager volunteers keep them up-to-date.

Red Hat Linux

While Red hat Linux 7, 8, and 9 (and potentially even others might still work, they have long gone untested and are not recommended for production use.

SuSE Linux

Versions 8 and earlier

Oracle Solaris

Solaris 9 and earlier

Bugs and Issues

As always, the OpenNMS community and development team have done their best to add new features and eliminate existing bugs. Prior to taking any action with installing or upgrading OpenNMS, check the links to the known issues listed for this release as bugs may have been reported or reopened after the distribution of the Release Notes document.

3.1. Bugs Fixed in OpenNMS 1.8.3

The current list of fixed bugs for this version can be found in the OpenNMS Bugzilla System. [Bugzilla Query for FIXED status in OpenNMS 1.8.3](#)¹

3.2. Open Bugs and Issues

The current list of unresolved issues for the 1.8.3 release can also be found in the OpenNMS Bugzilla System. [Confirmed bugs and issues targeted for the next OpenNMS release.](#)²

¹ http://bugzilla.opennms.org/buglist.cgi?product=OpenNMS&target_milestone=1.8.3&resolution=FIXED

² http://bugzilla.opennms.org/buglist.cgi?product=OpenNMS&target_milestone=future+1.8&bug_status=NEW&bug_status=ASSIGNED&bug_status=REOPENED

Changes for OpenNMS Users

OpenNMS Users are people who use the OpenNMS application on a regular basis for the purposes of maintaining a functional network. *Users* make use of the Web UI, and notifications, and are mostly data focused in their tasks.

4.1. Changes since 1.8.2

The following changes for OpenNMS Users have have gone into effect since OpenNMS 1.8.2

Features, Enhancements, and Bug Fixes for Users

Feature: Outage Scheduling

Performance of the Outage Editor has been improved. These changes were partially implimented in 1.8.2, and have been refined in 1.8.3. (Bug [#1225](#)¹)

Bug Fix: User Admin UI

A UI Bug with the User Admin UI where some buttons did not work properly has been addressed. (Bug [#4034](#)²)

¹ http://bugzilla.opennms.org/show_bug.cgi?id=1225

² http://bugzilla.opennms.org/show_bug.cgi?id=4034

Changes for OpenNMS Administrators

OpenNMS Administrators are people who are ultimately responsible for the operation and maintenance of an OpenNMS system. OpenNMS Administrators are responsible for adding new features and higher level tasks which sometimes require admin access to the Web UI and often command line access to the OpenNMS server they administrate.

5.1. Changes since 1.8.2

The following changes for OpenNMS Administrators have have gone into effect since OpenNMS 1.8.2

Features, Enhancements, and Bug Fixes for Administrators

Bug Fix: Logging

The default logging levels for OpenNMS have been turned down from DEBUG. (Bug [#4047](http://bugzilla.opennms.org/show_bug.cgi?id=4047)¹)

A change was made to turn down excessive logging for remote pollers. (Bug [#4045](http://bugzilla.opennms.org/show_bug.cgi?id=4045)²)

Bug Fix: Installation

A bug that caused IPLIKE installation to fail on 64-bit Debian Lenny has been fixed. (Bug [#4039](http://bugzilla.opennms.org/show_bug.cgi?id=4039)³)

¹ http://bugzilla.opennms.org/show_bug.cgi?id=4047

² http://bugzilla.opennms.org/show_bug.cgi?id=4045

³ http://bugzilla.opennms.org/show_bug.cgi?id=4039

Changes for OpenNMS Developers

OpenNMS Developers are people who use the OpenNMS application on a regular basis for the purposes of maintaining a functional network.

6.1. Changes since 1.8.2

The following changes for OpenNMS Users have gone into effect since OpenNMS 1.8.2

No new changes for developers have been reported.

Changes to OpenNMS for Specific Audiences

Some new features, enhancements, and bug fixes don't always apply to all users of an OpenNMS system, but rather are intended for specific audiences, such as users of a particular managed device type.

7.1. Changes since 1.8.2

The following specific-audience changes have gone into effect since OpenNMS 1.8.2

No new changes for developers have been reported.

Appendix A. Revision History

Revision 1 **Thu Aug 13 2010**

Updated for OpenNMS 1.8.3

Mike Danko mike@14m3.com

Revision 0 **Thu Aug 5 2010**

Initial creation of book by publican

Mike Danko mike@14m3.com

Appendix B. OpenNMS Release History

Revision 1.8.3 Thu Aug 12 2010

Release 1.8.3 is the fourth in the 1.8 series of production-ready OpenNMS releases.
The codename for 1.8.3 is *Least Tern*.

Revision 1.8.2 Thu Aug 10 2010

Release 1.8.2 is the third in the 1.8 series of production-ready OpenNMS releases.
The codename for 1.8.2 is *Spotted Sandpiper*.

Revision 1.8.1 Not Reported

Release 1.8.1 is the second in the 1.8 series of production-ready OpenNMS releases.
The codename for 1.8.1 is *Lady Gould*.

Revision 1.8.0 Not Reported

Release 1.8.0 is the first in the 1.8 series of production-ready OpenNMS releases.
The codename for 1.8.1 is *Cardinal*.

Revision 1.7.92 Not Reported

Release 1.7.92 is the third release candidate in the 1.8 series. It represents what will eventually become OpenNMS 1.8.0 when it is declared stable.
The codename for 1.7.92 is *Fria*.

Revision 1.7.91 Not Reported

Release 1.7.91 is the second release candidate in the 1.8 series. It represents what will eventually become OpenNMS 1.8.0 when it is declared stable.
The codename for 1.7.91 is *JFGI*.

Revision 1.7.90 Not Reported

Release 1.7.91 is the first release candidate in the 1.8 series. It represents what will eventually become OpenNMS 1.8.0 when it is declared stable.
The codename for 1.7.90 is *Born Slippy*.

Revision 1.7.10 Not Reported

Release 1.7.10 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.10 is *Bebop*.

Revision 1.7.9 Not Reported

Release 1.7.9 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.9 is *Jack*.

Revision 1.7.8 Not Reported

Release 1.7.8 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.8 is *Serenity*.

Revision 1.7.7 Not Reported

Release 1.7.7 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.7 is *Clyde*.

Revision 1.7.6 Not Reported

Release 1.7.6 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.6 is *Orange Chicken*.

Revision 1.7.5 Not Reported

Release 1.7.5 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.5 is *ShamWow!*.

Revision 1.7.4 Not Reported

Release 1.7.4 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.4 is *eels*.

Revision 1.7.3 Not Reported

Release 1.7.3 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.3 is *auto-tune*.

Revision 1.7.2 Not Reported

Release 1.7.2 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.

The codename for 1.7.2 is *culpa*.

Revision 1.7.1 Not Reported

Release 1.7.1 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.
The codename for 1.7.1 is *Oops We Did It Again*.

Revision 1.7.3 Not Reported

Release 1.7.0 is the latest in a series of development releases of OpenNMS. This represents what will eventually become OpenNMS 1.8.0 when it is declared feature-complete and stable.
The codename for 1.7.0 is *GIRAFFES!*.

Revision Not Reported

1.6.10

Release 1.6.10 is a minor feature release in the 1.6 series.
The codename for 1.6.10 is *Cowboy*.

Revision 1.6.9 Not Reported

Release 1.6.9 is a minor feature release in the 1.6 series.
The codename for 1.6.9 is *Bauer*.

Revision 1.6.8 Not Reported

Release 1.6.8 is a minor feature release in the 1.6 series.
The codename for 1.6.8 is *Easy Button*.

Revision 1.6.7 Not Reported

Release 1.6.7 is a minor feature release in the 1.6 series.
The codename for 1.6.7 is *Bonnie*.

Revision 1.6.6 Not Reported

Release 1.6.6 is a bugfix release in the 1.6 series. It is a recommended upgrade for all users.
The codename for 1.6.6 is *Helmethead*.

Revision 1.6.5 Not Reported

Release 1.6.5 is a small bugfix release in the 1.6 series. It is a recommended upgrade for all users.
The codename for 1.6.5 is *Eastern Conference Finals*.

Revision 1.6.4 Not Reported

Release 1.6.4 continues the 1.6 series with a fix for a showstopper exception in OpenNMS 1.6.3. It is a strongly recommended upgrade for all users.

The codename for 1.6.4 is *mea*.

Revision 1.6.3 Not Reported

Release 1.6.3 continues the 1.6 series with a small set of bug fixes and minor feature enhancements. It is a recommended upgrade for all users.

The codename for 1.6.3 is *waterfall*.

Revision 1.6.2 Not Reported

Release 1.6.2 continues the 1.6 series with a small set of bug fixes and minor feature enhancements. It is a recommended upgrade for all users.

The codename for 1.6.2 is *software mercenaries*.

Revision 1.6.1 Not Reported

Release 1.6.1 continues the 1.6 series with a small set of bug fixes and minor feature enhancements. It is a recommended upgrade for all users.

The codename for 1.6.1 is *bamboo army*.

Revision 1.6.0 Not Reported

Release 1.6.0 is the first stable release in the OpenNMS 1.6 series.

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