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# Ensim® WEBpliance™ 3.5.20 for Linux®

## Release Notes

October 17, 2003

### Introduction

These release notes provide information about Ensim® WEBpliance™ 3.5.20 for Linux®. Ensim WEBpliance 3.5.20 for Linux is a maintenance release that resolves key issues. For simplicity, we refer to Ensim WEBpliance 3.5.20 for Linux as WEBpliance throughout this document.



**Note:** These release notes describe the features and issues (resolved and known) exclusive to this release. If you are upgrading from an earlier version of WEBpliance (3.0.x/3.1.x/3.5.x), please note that this product release consolidates several issues that have been resolved by earlier versions of WEBpliance. For information, please refer to the earlier versions of release notes.

**Release notes for WEBpliance for Linux (LS):**

<http://www.ensim.com/support/wpls/index.html>

**Release notes for WEBpliance for Linux (LH):**

<http://www.ensim.com/support/sxc/index.html>

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## About WEBppliance

WEBppliance is a software application designed to simplify Web hosting by controlling and automating common hosting tasks. WEBppliance is packaged with core Web hosting server applications and services, including Web site capabilities, FTP capabilities, email capabilities, and backup and restore capabilities.

WEBppliance offers two product options.

- **WEBppliance Basic.** WEBppliance Basic is designed to support a single organization's management of a Web server and one or more Web sites.
- **WEBppliance Pro.** WEBppliance Pro is designed for professional hosting of multiple companies on a single Web server.

Customers can directly upgrade to the latest version of WEBppliance from any of the base versions mentioned in [Table 1](#).

**Table 1. Base versions for upgrade to the latest WEBppliance version**

<b>WEBppliance for Linux (LH)</b> (obtained from Ensim AppXchange®)	<b>WEBppliance for Linux (LS)</b> (obtained from the Ensim storefront)
<b>Note:</b> For details, please refer to the document, <b>Upgrading to the latest version of WEBppliance 3.5 for Linux (LH)</b> .	<b>Note:</b> For details, please refer to the document, <b>Upgrading to the latest version of WEBppliance 3.5 for Linux (LS)</b> .
<b>WEBppliance 3.0.x</b>	
WEBppliance 3.0.0-56 or higher	WEBppliance 3.0.0-50
WEBppliance 3.0.2-56 or higher	WEBppliance 3.0.3
WEBppliance 3.0.4-7 or higher	
<b>WEBppliance 3.1.x</b>	
WEBppliance 3.1.0-27 or higher	WEBppliance 3.1.0
WEBppliance 3.1.1 or higher	WEBppliance 3.1.1 or higher
<b>WEBppliance 3.5.x</b>	
WEBppliance 3.5.0 or higher	WEBppliance 3.5.0 or higher

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You can also upgrade from:

- WEBppliance Basic
- A lower capacity WEBppliance Pro license

## Remote integration of Ensim products with WEBppliance

During installation or upgrade, WEBppliance (version 3.5.18 or later) creates an additional root user account **extendauth**. The account enables authenticated remote integration of Ensim products with WEBppliance.

Ensim products can use this account to query and install Ensim-signed RPMs on the WEBppliance server. The user is validated only on providing the [account password](#) and the Ensim Private GPG key. **The account does not compromise the security of your system.** WEBppliance allows discretionary use of the account and allows you to [enable or disable the account](#), if necessary.

### Account settings

The account is configured with the following settings:

- **Account password:** Set to the WEBppliance Appliance Administrator password (automatically updated whenever the Appliance Administrator password changes)
- **Account UID:** 0
- **Shell account:** Restricted shell access

The shell **extendauth** is located at `/usr/lib/opcenter/extend` and restricted to the following privileges.

- The user can query the version of an RPM.
- The user can install an RPM signed with the Ensim Private GPG key.

### Disabling or enabling the account

By default, WEBppliance enables the account. However, you can disable the account by logging on as the **root** user and typing the following command at the prompt.

```
#!/usr/lib/opcenter/extend/manage_extendauth disable
```

If you want to enable the account, log on as the **root** user and type the following command at the prompt.

```
#!/usr/lib/opcenter/extend/manage_extendauth enable
```

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## WEBppliance (LS) Installer for advanced users

Earlier versions of WEBppliance (LS) required users to run the WEBppliance Installation Wizard to download the WEBppliance Installer script and install or upgrade WEBppliance.

Beginning with WEBppliance 3.5.20, advanced users can opt for text-based WEBppliance installation or upgrade by running the WEBppliance Installer script `LWPInstaller_txt.sh` at the command prompt.

You can use the script to:

- Install WEBppliance on a Red Hat® Linux® 7.3 server
- Upgrade an existing WEBppliance

The script can be downloaded from Ensim's FTP server, [ftp://ftp.ensim.com/download/webppliance/linux/Pro/3.5.20/LWPInstaller\\_txt.sh](ftp://ftp.ensim.com/download/webppliance/linux/Pro/3.5.20/LWPInstaller_txt.sh). For more information, please refer to the document *Ensim WEBppliance (LS) Installer for Advanced Users* available at <http://www.ensim.com/support/wpls/index.html>.

## Regenerating Sendmail configuration file after an upgrade

WEBppliance does not regenerate the Sendmail configuration file after an upgrade in order to retain any customizations made to the file. However, you may need to regenerate the file after an upgrade to take advantage of any new service features or security fixes.



**Important:** Before you regenerate the Sendmail configuration file, back up your existing file.

To regenerate the file after an upgrade:

- 1 Log on to the WEBppliance server as the **root** user.
- 2 Regenerate the Sendmail configuration file by typing the following command at the prompt.  
**`#!/usr/bin/m4 /usr/lib/opcenter/sendmail/install/sendmail.mc > /etc/sendmail.cf`**
- 3 Now, restart the Sendmail service.  
**`#!/etc/rc.d/init.d/sendmail restart`**

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## Resolved issues

This section describes the resolved issues of WEBppliance.

### WEBppliance (LS/LH)

This section lists issues that are common to WEBppliance (LS) and WEBppliance (LH). The numbers in parentheses indicate the Ensim problem report (PR) number.

- **Issue:** Vulnerabilities in the OpenSSL service enabled remote attackers to use subversive SSL client certificates and cause parsing of unusual ASN.1 tag values to stop the service. (PR 28225)

The advisory details are available at the following URL:

<http://rhn.redhat.com/errata/RHSA-2003-291.html>

**Resolution:** WEBppliance updates the OpenSSL packages to resolve the issue.



**Important:** WEBppliance (LH) users must upgrade to BFS version 7.3-102 to defend against the vulnerability.

- **Issue.** If a large number of connections established from various high security sites' scripts to MySQL were interrupted, the service blocked further connections until the **mysqladmin flush-hosts** command was run. (PR 27015)

**Resolution:** To resolve the issue, WEBppliance provides an alternate (and preferred) MySQL connection point—the UNIX socket file `/var/lib/mysql/mysql.sock`—for high security sites. Scripts can use the UNIX socket file by specifying **localhost** as the connection point.

The following PHP code snippet illustrates the usage of the UNIX socket file to establish a MySQL connection.

```
$link = mysql_connect("localhost", "<username>", "<password>")
```

where **<username>** is the user name and **<password>** is the password of the MySQL database you want to connect to.

Before your sites can use the new connection point, you must:

- ❑ Upgrade to **WEBppliance 3.5.20**.
- ❑ Log on to the upgraded WEBppliance server as the **root** user.
- ❑ Restart the MySQL service by typing the following command.

```
/etc/rc.d/init.d/mysql restart
```



**Note:** The installed Power Tools that use MySQL as their database will continue to use the old connection point (127.0.0.1) while new tools installed after upgrading to WEBppliance 3.5.20 will automatically use the new connection point. To enable an existing tool to use the new UNIX socket file, log on to the Site Administrator control panel and update the tool settings using the **Reconfigure** button. Refer to the WEBppliance online Help for Site Administrators — *WEBppliance for Linux Site Administrator's Help*.

- **Issue.** When you backed up a site, files owned by Apache were not backed up. (PR 27463)

**Resolution:** WEBppliance now backs up the site and all the files in the `/home/virtual/sitex/fst/var/www/html` irrespective of file ownership.

- **Issue:** The following security vulnerabilities were observed in the PERL packages of Red Hat® Linux.
  - A flaw in the PERL module **safe.pm** enabled attackers to violate imposed operational limits by using a redefined `@_` variable.
  - A cross-site scripting vulnerability discovered in the `start_form()` function of the PERL module **CGI.pm** allowed remote attackers to insert Web scripts by means of a URL entered in the form's action parameter. (PR 27707)

The advisory details are available at the following URL:

<http://rhn.redhat.com/errata/RHSA-2003-256.html>

**Resolution:** WEBppliance updates the PERL packages with the security patch released by Red Hat Linux.

- **Issue:** The following security issues were observed in the Apache and `mod_ssl` packages of Red Hat Linux.
  - A flaw in the optional renegotiation code in `mod_ssl` (the optional renegotiation code enables directory-specific reconfiguration of the cipher suite and renegotiates the SSL parameters to meet the new configuration) caused cipher suite restrictions to be ignored.
  - Apache did not filter terminal escape sequences from its error logs enabling attackers to insert the sequences into terminal emulators containing vulnerabilities related to the escape sequences.

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- Apache 1.3 could be manipulated to loop infinitely when handling internal redirects and nested subrequests. (PR 27708)

The advisory details are available at the following URL.

<http://rhn.redhat.com/errata/RHSA-2003-243.html>

**Resolution:** WEBppliance updates the Apache and mod\_ssl packages with the security patch released by Red Hat Linux.

- **Issue:** Remote attackers could exploit a buffer overflow vulnerability in the MySQL service to execute arbitrary code as a MySQL user. (PR 28215)

The advisory details are available at the following URL:

<https://rhn.redhat.com/errata/RHSA-2003-281.html>

**Resolution:** WEBppliance updates the MySQL packages to resolve the issue.

- **Issue.** Disabling the **Email** option erased the Mail Exchanger (MX) record entries of external mail servers. (PR 27047)

**Resolution:** Disabling the **Email** option now erases the MX records only for email servers hosted on WEBppliance.

- **Issue:** A vulnerability in the ProFTPD UNIX FTP server component that handled incoming ASCII file transfers allowed attackers to trigger buffer overflows and run arbitrary code. The vulnerability could be used to gain control of the system and destroy or manipulate data on vulnerable FTP sites. (PR 27745)

The advisory details are available at the following URL.

<http://xforce.iss.net/xforce/alerts/id/154>

**Resolution:** WEBppliance updates ProFTPD with the related security patch release.

- **Issue.** Bandwidth monitoring messages were generated on WEBppliance Basic for Linux servers though the service is not supported on WEBppliance Basic. (PR 27631)

**Resolution:** WEBppliance Basic does not send bandwidth monitoring email messages.

- **Issue.** Generation of bandwidth usage reports failed with an error on sites that were allocated unlimited (0) bandwidth. (PR 27420)

**Resolution:** WEBppliance now successfully generates the bandwidth usage reports for sites configured with unlimited bandwidth.

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## WEBppliance (LS)

- **Issue:** The WEBppliance Installation Wizard did not accept a saved configuration file (Step 4) that used the **Other FTP** option for obtaining Red Hat Linux installation files. (PR 27282)  
**Resolution:** The WEBppliance Installation Wizard now accepts a saved configuration file that uses the **Other FTP** option for obtaining Red Hat Linux installation files.
- **Issue:** Certain valid characters in the input fields of the WEBppliance Installation Wizard were not accepted as valid characters (for example, the character “-” in the user name of the FTP account). (PR 27345)  
**Resolution:** The WEBppliance Installation Wizard now accepts valid characters for the input fields.
- **Issue:** When you upgrade WEBppliance or install it on a pre-installed Red Hat Linux 7.3 server, the WEBppliance (LS) Installer freezes under certain terminal emulators (for example, vt100). If used on a terminal that does not support color, the installation appears to freeze as a cursor at the end of the installation screen. (PR 27338)  
**Resolution:** You can now choose to run the WEBppliance Installer in graphical or text mode. The graphical mode works only with linux, scolinux, and xterm emulators. If you are running the Installer on any other emulator, select the **Run the Installer in text mode** check box (in Step 3 Choose Installation Type) to view a text-based installation.

## Feedback and support

To take advantage of Ensim's support services or to find additional product documentation, visit the Ensim support site, <http://support.ensim.com>.

To log in to Ensim online support, go to <https://onlinesupport.ensim.com>.

To provide feedback about Ensim products or documentation, please use the feedback form at <http://www.ensim.com/support/feedback.asp>.

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