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# Release Notes for Cisco Smart Storage phpBB PKG Package Version 3.0.7

**November 2010**

These Release Notes provide information for the phpBB PKG Package version 3.0.7 for the Cisco NSS 300 Series Smart Storage.

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## Introduction

Your NSS 300 Series Smart Storage comes with built-in applications and the ability to add new applications. Add-on applications add new functionality to your Smart Storage device. Add-on applications are downloaded from Cisco.com via a PKG package or PKG plugin installation file.

## Description

Millions of people use phpBB on a daily basis, making it the most widely used open source bulletin board system in the world. Whether you want to stay in touch with a small group of friends or are looking to set up a large multi-category board for a corporate website, phpBB has the features you need built-in. The styles database contains hundreds of style and image packages to customise your bulletin board.

phpBB incorporates a professional-quality modular design, high security, multiple-language interface, support for a multitude of database servers and complete layout customization. New users will appreciate phpBB's extensive administration panel, which allows the customization of intricate features without having to edit code directly. Advanced users will appreciate the ease with which phpBB can be integrated into existing systems.

Detailed documentation and Flash video tutorials are available on the phpBB website to help you get phpBB running on your server quickly. For questions about configuring the software or modifying the code, you can visit the Community Forum at <http://www.phpbb.com>.

## Prerequisites

Prior to running the phpBB software PKG package, the Web server and MySQL server need to be enabled on the Cisco NSS 300 Series Smart Storage device. See **Enable Web Server, page 9** and **Enable MySQL Server, page 10**.

It is strongly recommended to create a dedicated database for phpBB to make the database easier to manage and avoid the risk of overwriting data. To configure MySQL, you can use either phpMyAdmin or the command-line environment. If you are not familiar with using the command-line or the SQL language, it is recommended to use phpMyAdmin.

**NOTE** During the initial installation of the NAS, phpMyAdmin is pre-installed in Applications > PKG Plugins > PKG Installed.

To create a database using phpMyAdmin:

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**STEP 1** Choose **Applications > PKG Plugins > Installation** from the Navigation menu. The *PKG Plugins INSTALLATION* window appears.

**STEP 2** Click the graphical phpMyAdmin icon to open the application.

**STEP 3** To log into phpMyAdmin, enter the default username **root** and the default password **admin**.

**NOTE** When you are configuring a PKG package, if you are prompted to enter the database default username and password, enter **root** for username and **admin** for password. If the password has been changed, enter the root account password.

**STEP 4** In the *Create a new database* field, enter the name for the new database.

**STEP 5** Click **Create**. The database is created and you are ready to install the PKG package.

**NOTE** When you are configuring the PKG package and prompted to enter the database name, enter the database name exactly as it was created in phpMyAdmin.

If you are prompted for “database server” or “database host,” use **localhost**. Localhost will sometimes automatically display as the default.

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## Firmware Requirements

The Cisco NSS 300 Series Smart Storage device should be running firmware version 1.0.0 or higher. To update your firmware see, [Downloading and Upgrading the Firmware](#).

# Downloading and Upgrading the Firmware

This procedure describes how to upgrade the firmware on the NSS 300 Series Smart Storage devices from the Network Attached Storage (NAS) interface.



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**CAUTION** As a precautionary measure, back up the NAS system configuration before upgrading the firmware.

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**CAUTION** Do not upgrade the firmware over a WAN or Wi-Fi link since an interruption in service can lead to corruption of the firmware upgrade process.

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From the *Administration > Firmware Upgrade* window, you can view the current firmware version and update the firmware on the NAS. The current NAS settings will not change while performing the firmware version update.

To upgrade the firmware:

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- STEP 1** Click **Administration > Firmware Upgrade** from the Navigation menu. The *Firmware Upgrade* window appears. The current firmware version is displayed.
  - STEP 2** Click **Browse** to locate the correct firmware file for the system update. Before updating the system, verify that the product model and firmware version you are going to update is correct.
  - STEP 3** Click **Update The System**.

Within 15 seconds, a MD5 checksum result window will display to confirm the integrity of the system. After the successful integrity check of the NAS, click **OK** for the new firmware file to upload to the NAS. After this has completed, a message displays and asks you to reboot the system. Please wait patiently. A system log in window will automatically display after the successful update to the new firmware.

The MD5 verification window does not perform any processing on the NAS or the candidate firmware for installation. Once the target firmware has been selected, the MD5 verification allows the user to validate the checksum calculated by the NAS against the provided checksum value found in a separate file that was provided alongside the firmware download. Mismatched checksums indicate firmware integrity has been compromised.

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## PKG Package Installation

From the *Applications > PKG Plugins* window, you can install PKG packages to add more functions to the NAS. Before you install the packages, make sure the files are correct, read the instructions carefully, and back up all important data on the NAS. Download the software package that you want to install on NAS to your computer.

To install a new PKG package:

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**STEP 1** Choose **Applications > PKG Plugins > Installation** from the Navigation menu. The *PKG Plugins INSTALLATION* window appears.

**STEP 2** Click **Browse** to locate and select the phpBB3\_3.0.7.pkg file.

**STEP 3** Click **Install**. The phpBB PKG Plugin is installed to the NAS.

**TIP** See [phpBB Post Installation Tips, page 6](#).

**NOTE** To verify the PKG is installed, choose **Applications > PKG Plugins > PKG Installed**. A graphical icon appears in the window, indicating that the PKG is installed on the NAS system.

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To open the phpBB PKG package:

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**STEP 1** Choose **Applications > PKG Plugins > PKG Installed** from the Navigation menu. The *PKG Plugins PKG INSTALLED* window appears.

**STEP 2** Click the graphical phpBB icon to open the application.

**STEP 3** Click the link next to the Web Page.

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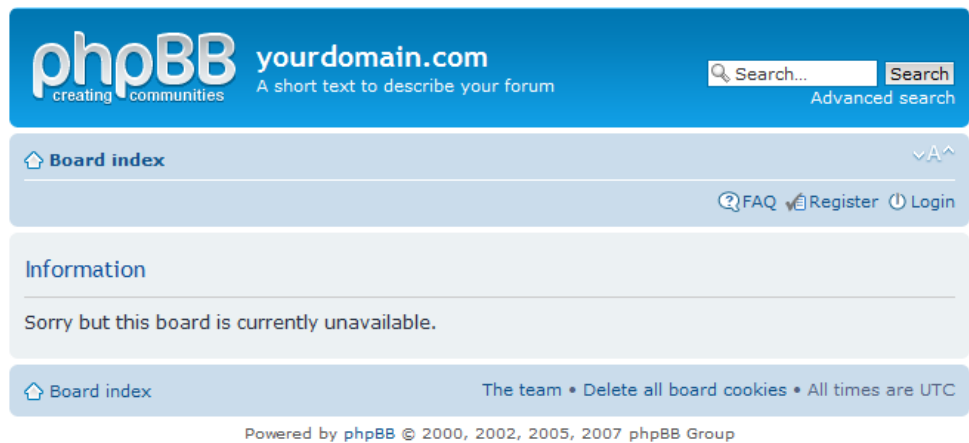
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To remove a phpBB PKG package:

- STEP 1** Choose **Applications > PKG Plugins > PKG Installed** from the Navigation menu. The *PKG Plugins PKG INSTALLED* window appears.
  - STEP 2** Click on the phpBB icon. The phpBB application window appears.
  - STEP 3** Click **Remove**. The phpBB PKG package is removed from the NAS.
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### phpBB Post Installation Tips

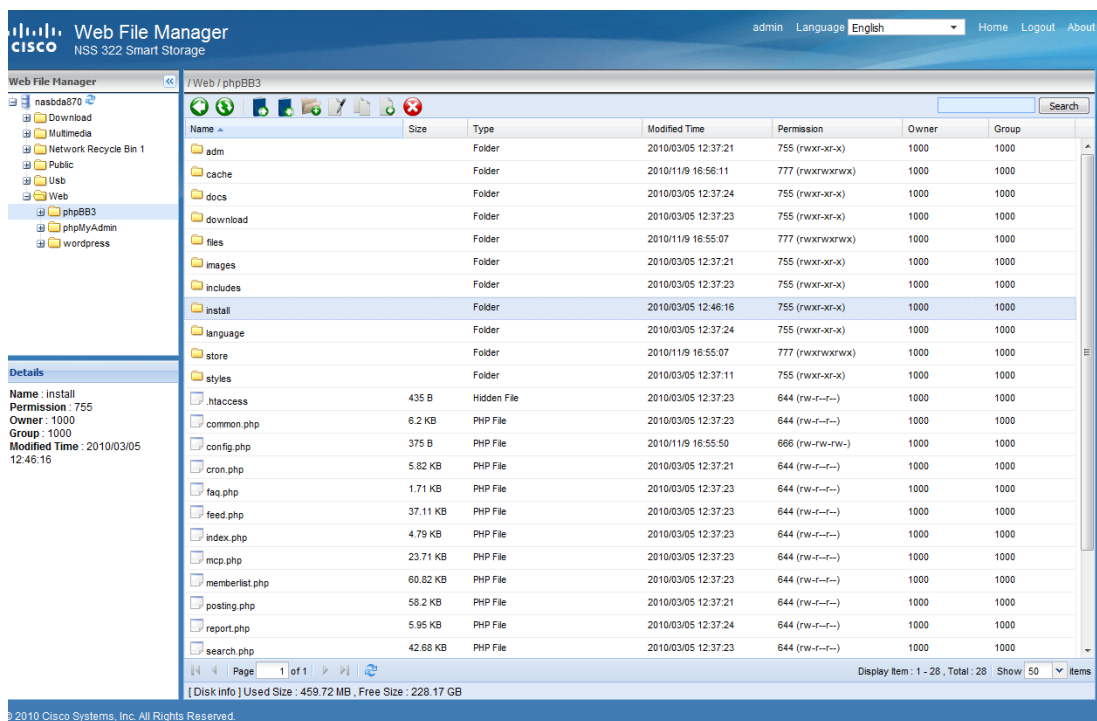
After you have installed the phpBB PKG to the NAS and completed the phpBB installation procedure, it is important to remove the installation folder located in the phpBB3 folder. The removal of the installation folder is included in the steps during the phpBB installation procedure but if phpBB is accessed before the installation folder is removed, the following error is displayed:



To remove the installation folder:

- STEP 1** Login to the NAS device as the administrator (admin).
- STEP 2** From the upper right-corner of the window, click **Application** and from the drop-down list select **Web File Manager**.

**STEP 3** From the directory tree in the left panel, browse to the **install** file located in the Web\phpBB3 folder.



**STEP 4** Select and delete the **install** file.

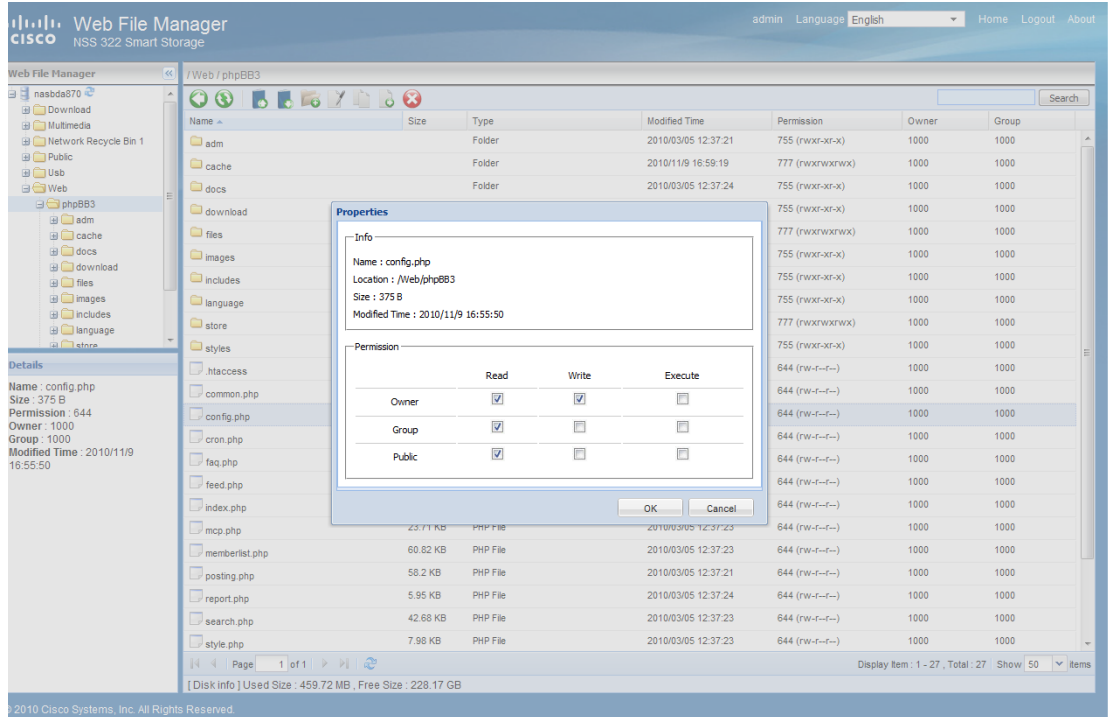
For security, it is recommended to change the file permissions for the config.php file.

To change the file permissions:

- STEP 1** Login to the NAS device as the administrator (admin).
- STEP 2** From the upper right-corner of the window, click **Application** and from the drop-down list select **Web File Manager**.
- STEP 3** From the directory tree in the left panel, browse to the **config.php** file located in the Web\phpBB3 folder.
- STEP 4** Right-click the **config.php** file to display the *Properties* window.

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**STEP 5** Set the file permissions as shown below:



**STEP 6** Click **OK** to save the settings.

## Caveats

Information regarding any known caveats with phpBB version 3.0.7 can be accessed from the phpBB website:

<http://tracker.phpbb.com/secure/ReleaseNote.jspa?projectId=10010&version=10032>

**NOTE** Functionality embedded in Imagemagick, such as thumbnail creation, is not available.



## Enable Web Server

To enable the web server network service:

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- STEP 1** Choose **Network Services > Web Server** from the Navigation menu. The *Web Server* window opens.
  - STEP 2** Click **Enable Web Server** to enable the web server.
  - STEP 3** Enter the value for the Port Number for the web server. Default value is 80 but you can enter another port number. Note that port 8080 is already being used for the admin web server.
  - STEP 4** Enable or disable `register_globals` by clicking **On** (enable) or **Off** (disable). The setting is disabled by default. When the web program asks to enable PHP `register_globals`, enable `register_globals`. However, for system security concerns, it is recommended that this option be disabled when possible.
  - STEP 5** Enable SSL if a secure connection is needed by clicking **Enable Secure Connection (SSL)**. After enabling this option, users can access websites which are hosted on the NAS over SSL. The concept of HTTPS is a combination of the HTTP with the SSL/TLS to create a secure channel over the network.
  - STEP 6** Enable WebDAV (Web-based Distributed Authoring and Versioning) if needed by clicking **Enable WebDAV**. WebDAV is a set of extensions to HTTP that allows users to edit and manage files collaboratively on remote World Wide Web servers. After enabling this function, you can access shared folders remotely through a client application.
    - NOTE** Go to **Access Right Management > Share Folders** for detailed privilege settings.
  - STEP 7** Enable `php.ini` if necessary by clicking **php.ini Maintenance**. The `php.ini` file is the system configuration file for the Web Server. After enabling this function, you can edit, upload or restore this file. It is recommended that you use the system default setting.
  - STEP 8** Click **Apply**. Your web server settings are updated to the NAS.
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# Enable MySQL Server

To enable MySQL server application:

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- STEP 1** Choose **Applications > MySQL Server** from the Navigation menu. The *MySQL Server* window opens.
  - STEP 2** Click **Enable MySQL Server** to enable MySQL Server.
  - STEP 3** To enable TCP/IP Networking, click **Enable TCP/IP Networking** and specify a port number. The default port is 3306.
  - STEP 4** Click **Apply**. Your MySQL Server settings are updated to the NAS.
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## Additional Resources

Support for the add-on applications is available via open source online community support resources.

Cisco Resources	URL
Cisco PKG Add-on Application Downloads (Firmware Link)	<a href="http://www.cisco.com/go/smallbizsmartstorage">http://www.cisco.com/go/smallbizsmartstorage</a>
Cisco Smart Storage Application Support	<a href="http://www.cisco.com/go/smartstorage-apps">http://www.cisco.com/go/smartstorage-apps</a>
Cisco Smart Storage Documentation, Application Notes, and Video Application Notes	<a href="http://www.cisco.com/go/smallbizsmartstorage">http://www.cisco.com/go/smallbizsmartstorage</a>
phpBB Resources	URL
phpBB	<a href="http://www.phpbb.com">http://www.phpbb.com</a>

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