

CentOS Server - Moodle Update

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Moodle Update Checklist

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	√	To Do
		Preparation
1		Downloading Moodle
2		Adding plugins
3		Moodle maintenance mode
		Backups
4		Backup the Moodle database
5		Backup the Moodle data folder
6		Backup Moodle config.php
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7		Upgrading Moodle
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Preparation

Downloading Moodle

Getting the latest version of Moodle

1. Go to the download page of Moodle

```
https://download.moodle.org/releases/latest/
```

2. Check and ensure that the server meets the minimum requirements for the latest version of Moodle
3. Update the server if necessary
4. Download the latest version of Moodle
5. Unzip/untar the download package

```
unzip file.zip -d /path/to/directory
```

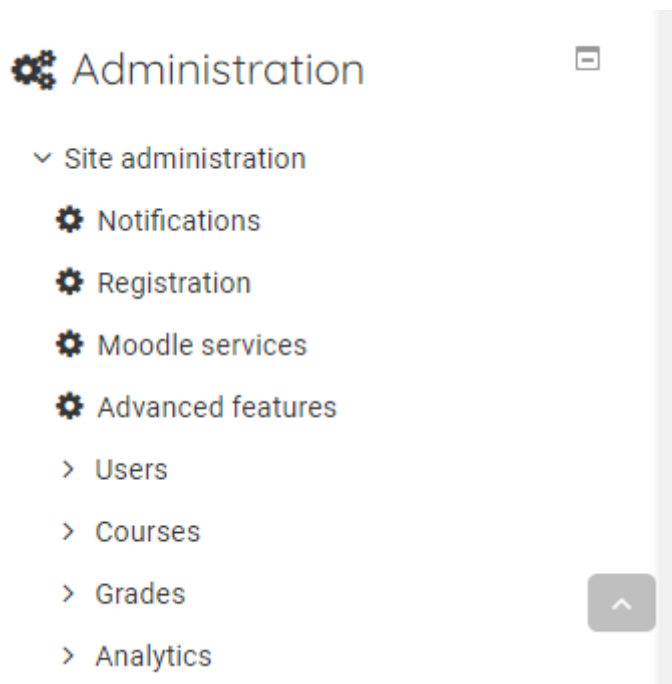
or

```
tar -C /path/to/directory -zxvf file.tar.gz
```

Adding plugins

Adding plugins

1. Log in to the current version of Moodle as an administrator
2. Expand the Site Administrator menu



3. Expand the Plugins menu

- > Messaging
- ▼ Plugins
 - ⚙ Install plugins
 - ⚙ Plugins overview
 - > Activity modules
 - > Admin tools
 - > Antivirus plugins
 - > Authentication
 - > Availability restrictions
 - > Blocks
 - > Caching
 - > Course formats
 - > Custom fields
 - > Data formats
 - > Document converters
 - > Enrolments
 - > Filters
 - > Lesson Export



4. Click Plugins Overview

Plugins overview

Check for available updates

Last check done on 29 April 2020, 2:00 AM

All plugins 420 Additional plugins 18

Plugin name	Version	Availability	Actions	Notes
Activity modules ⚙				
 Assignment mod_assign	2019052000	Enabled	Settings	Uninstall
 Assignment 2.2 (Disabled) mod_assignment	2019052000	Disabled		Uninstall
 BigBlueButtonBN mod_bigbluebuttonbn	2.3.3 2019042008	Enabled	Settings	Uninstall
				Additional

5. Click Additional Plugins

Check for available updates

Last check done on 29 April 2020, 2:00 AM

Additional plugins

All plugins 420 Additional plugins 18

Plugin name	Version	Availability	Actions	Notes
Activity modules ⚙️				
 BigBlueButtonBN mod_bigbluebuttonbn	2.3.3 2019042008	Enabled	Settings	Uninstall Additional
 Newsletter mod_newsletter	1.6 Washington Post 2018111600	Enabled	Settings	Uninstall Additional
 Reengagement mod_reengagement	3.6.2 2019052800	Enabled		Uninstall Additional
 Simple Certificate mod_simplecertificate	2.2.10 2020041237	Enabled	Settings	Uninstall Additional

6. Make a note of all the additional plugins

7. Navigate to Moodle plugins directory

<https://moodle.org/plugins/>

8. Search and download each of the plugins

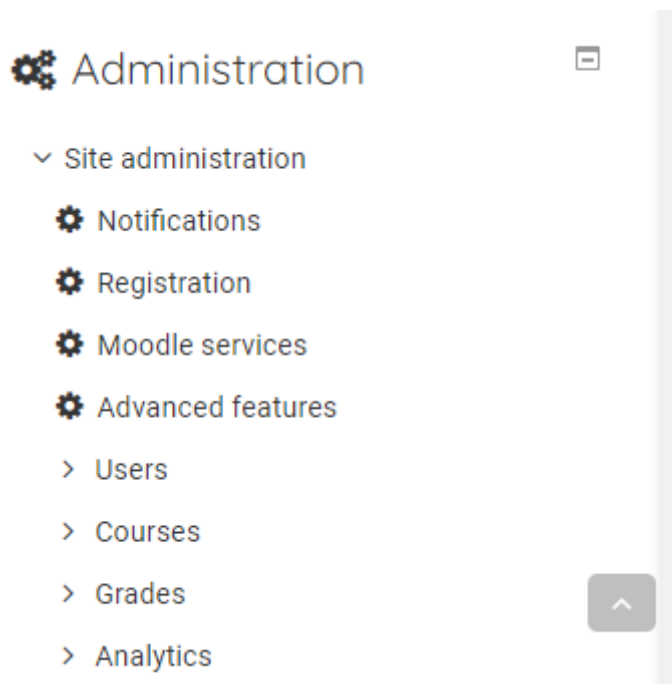
9. Extract and add to the plugin to one of the correct common paths below

```
/path/to/moodle/theme/ - themes
/path/to/moodle/mod/ - activity modules and resources
/path/to/moodle/blocks/ - sidebar blocks
/path/to/moodle/question/type/ - question types
/path/to/moodle/course/format/ - course formats
/path/to/moodle/admin/report/ - admin reports
```

Moodle Maintenance Mode

Moodle Maintenance Mode

1. Log in as an administrator
2. Expand the Administrator panel



3. Expand the Server sub-menu and click Maintenance Mode

- > Appearance
- > Front page
- ▼ Server
 - ⚙ System paths
 - ⚙ Support contact
 - ⚙ Session handling
 - ⚙ Statistics
 - ⚙ HTTP
 - ⚙ Maintenance mode
 - ⚙ Cleanup
 - ⚙ Environment
 - ⚙ PHP info
 - ⚙ Performance
- > Tasks



4. Enable Maintenance mode, add an addition message if necessary and save the changes

Maintenance mode

Maintenance mode
maintenance_enabled

Enable ▾ *Default: Disable*

For upgrades and other work

Optional maintenance message
maintenance_message

Paragraph ▾ **B** *I* [List] [List] [Link] [Image] [Table]

Add additional message here|

Path: p
Default: Empty

Save changes

Backups

Backup The Moodle Database

Moodle Database Backup

MySQL Database Dump

1. Backup Moodle database with the command below

```
mysqldump -u [username] -p[password] [database_name] > [dump_file.sql]
```

The parameters of the said command as follows:

[username] - A valid MySQL username

[password] - A valid MySQL password for the user (leave empty to be prompted for password)

[database_name] - A valid Database name you want to take backup

[dump_file.sql] - The name of backup dump file you want to generate

Downloading the file

1. Download the file a backup medium for safekeeping

Backup The Moodle Data Folder

Backing Up The Moodle Data Folder

Compress the data folder

1. Compress the Moodle data folder with the command below

```
tar -czvf name-of-archive.tar.gz /path/to/moodle-data-folder
```

Here's what those switches actually mean:

- c: Create an archive.
- z: Compress the archive with gzip.
- v: Display progress in the terminal while creating the archive, also known as "verbose" mode.

The v is always optional in these commands, but it's helpful.

- f: Allows you to specify the filename of the archive.

Downloading the file

1. Once the folder is compressed, download to a backup medium for safekeeping

Backup Moodle Config.php

Although not necessary, you can also backup the Moodle directory and not just the config.php file.

Follow the same steps set out in [Backup the Moodle Data Folder](#)

Backing Up Moodle's Config File

1. Copy the config.php found in the root directory of the Moodle installation to a safe medium backup medium

Upgrading Moodle

Upgrading Moodle

Upgrading Moodle

1. Rename the current production Moodle folder

```
| mv /path/to/current/moodle- folder /path/to/current/moodle- folder_old |
```

2. Upload/copy/move the new installation folder and rename to current Moodle production folder, i.e. if the production folder was named learn.azandi.co.za then rename the new folder to learn.azandi.co.za
3. Restore the permissions/ownership of the folder and files

```
| chown -R apache: apache /path/to/current/moodle- folder |
```

4. Navigate to the Moodle platform website in a browser and follow the onscreen prompts

Post Upgrade Tasks

Post Upgrade Tasks

1. Check and restore all custom settings where necessary
2. Check Moodle to ensure site is functioning as at it should and rectify any issues
3. Take Moodle out of maintenance mode