

# TOWiOS

## The Only Way is Open Source

### MOODLE UPGRADE - UBUNTU 23.04 LTS

February 2024

- 1> CHECK FOR NEWER MOODLE VERSION, & DOWNLOAD
- 2> ENABLE 'MAINTENANCE MODE'
- 3> BACKUP CURRENT MOODLE SITE
- 4> EXTRACT THE MOODLE DOWNLOAD, RESTORE FILES & SET PERMISSIONS
- 5> INSTALL THE MOODLE UPGRADE
- 6> DISABLE 'MAINTENANCE MODE'



#### Note:

The following websites have been used for reference:

- <https://download.moodle.org/>
- [https://docs.moodle.org/403/en/Administration via command line](https://docs.moodle.org/403/en/Administration_via_command_line)

The following instructions are to upgrade Moodle VLE locally on Ubuntu.

If you use these instructions you do so at your own risk. They are not considered 'perfect', and are purely for testing purposes.

**1> CHECK FOR NEWER MOODLE VERSION, & DOWNLOAD**

**Go to your Moodle site:**

<http://localhost/moodle>

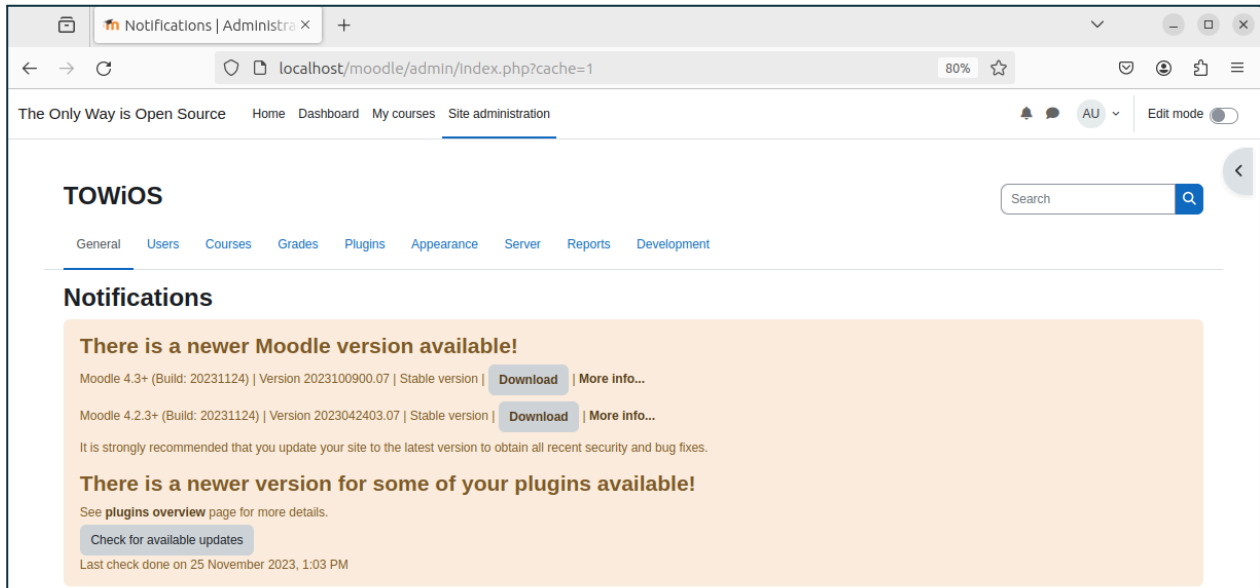
**Log in with an administrative account:**

User:

Password:

**Check for new Moodle release and compatibility:**

Go to : Site administration > General (tab) > Notifications



**Select a newer Moodle version to 'Download':**

In this instance, 4.3+

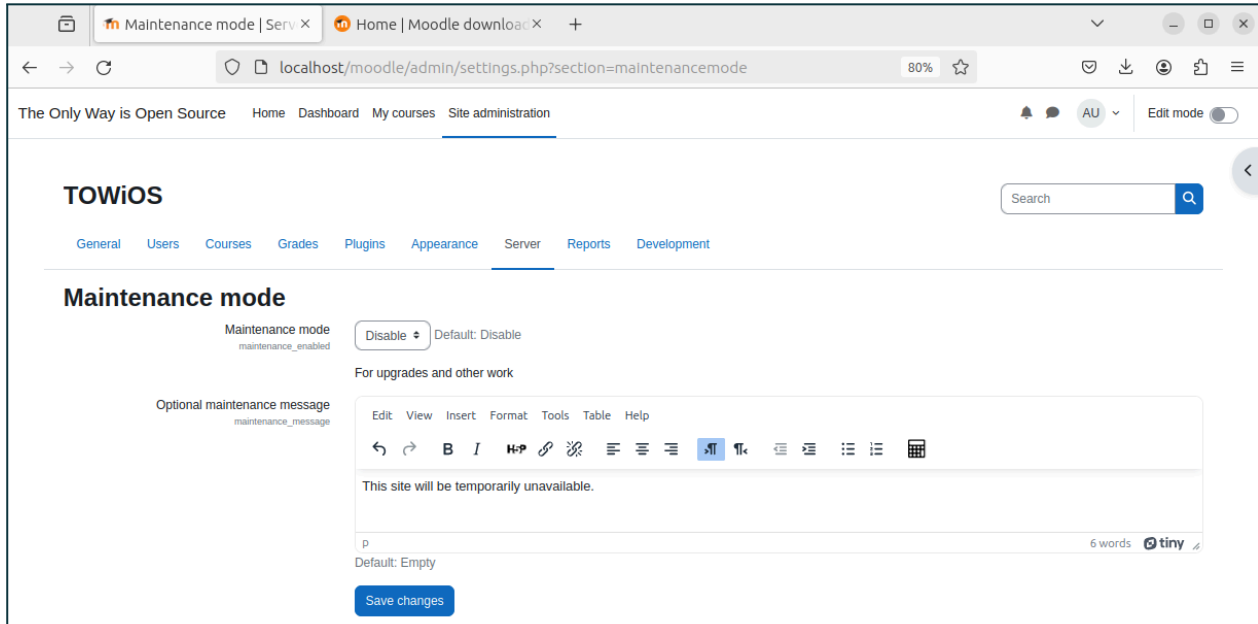
This will then proceed to download a moodle zip file to the users Downloads directory.

**Note: URL & credentials may differ. This set of instructions is based on the previous guide, Moodle Installation.**

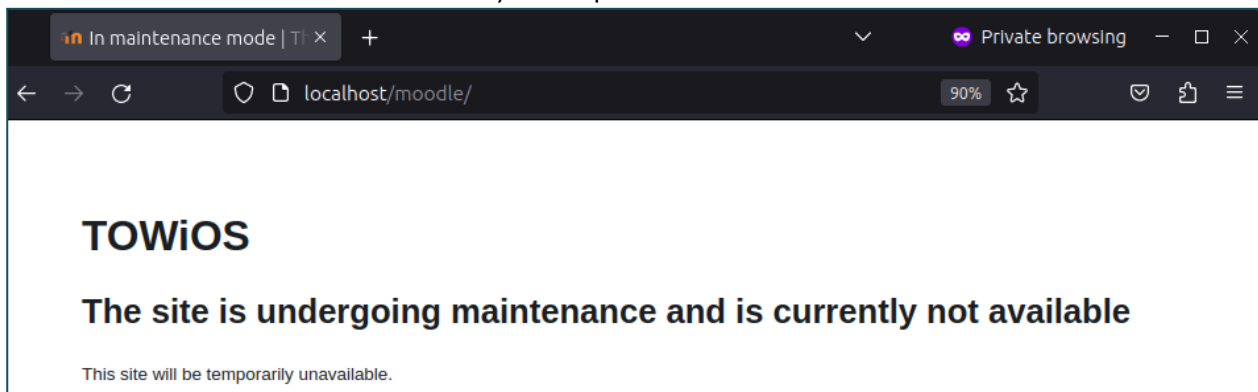
## 2> ENABLE 'MAINTENANCE MODE'

Inform users site is offline:

- Site Administration > Server > Maintenance Mode.
- Maintenance Mode = 'Enable'.
- Enter an 'Optional Maintenance Message' = This will be seen by users who navigate to the site to log in.
- Save changes



When users browse to the Moodle Site they will be presented with:



**Note:** This step is not a requirement but will help inform users as to why the site is inaccessible.

### 3> BACKUP CURRENT MOODLE SITE

Open a 'konsole' (aka Terminal/Command Prompt) & switch user:

su

Locate your moodle site:

sudo find / -type d -name "moodle"

```
towios@ubuntu-moodle:~$ sudo find / -type d -name "moodle"
/var/www/html/moodle
/var/www/html/moodle/admin/tool/componentlibrary/content/static/moodle
/var/www/html/moodle/admin/tool/componentlibrary/content/moodle
/var/www/html/moodle/theme/boost/scss/moodle
/var/lib/mysql/moodle
find: '/run/user/1000/gvfs': Permission denied
find: '/run/user/1000/doc': Permission denied
```

Create a backup directory to move the current moodle site to:

sudo mkdir /var/www/backup

Move the moodle directory to the backup location and rename it too:

sudo mv /var/www/html/moodle /var/www/backup/moodle\_backup

*Note: In this instance moodle is located within /var/www/html based on the locate command.*

### 4> EXTRACT THE MOODLE DOWNLOAD, RESTORE FILES, & SET PERMISSIONS

Extract the downloaded moodle file to the web server:

(Replace username and file name accordingly)

sudo unzip /home/username/Downloads/moodle-latest-403.zip -d /var/www/html/

Restore the config.php from backup to new moodle:

sudo cp /var/www/backup/moodle\_backup/config.php /var/www/html/moodle/

(Optional) Restore your theme(s) from backup to new moodle:

sudo cp -pr /var/www/backup/moodle\_backup/theme/mytheme /var/www/html/moodle/theme/mytheme

(Optional) Restore your module(s) from backup to new moodle:

sudo cp -pr /var/www/backup/moodle\_backup/mod/mymod /var/www/html/moodle/mod/mymod

Set permissions for moodle:

- sudo chown -R root:root /var/www/html/moodle
- sudo chmod -R 755 /var/www/html/moodle

(Optional) Restart web server:

sudo systemctl restart apache2

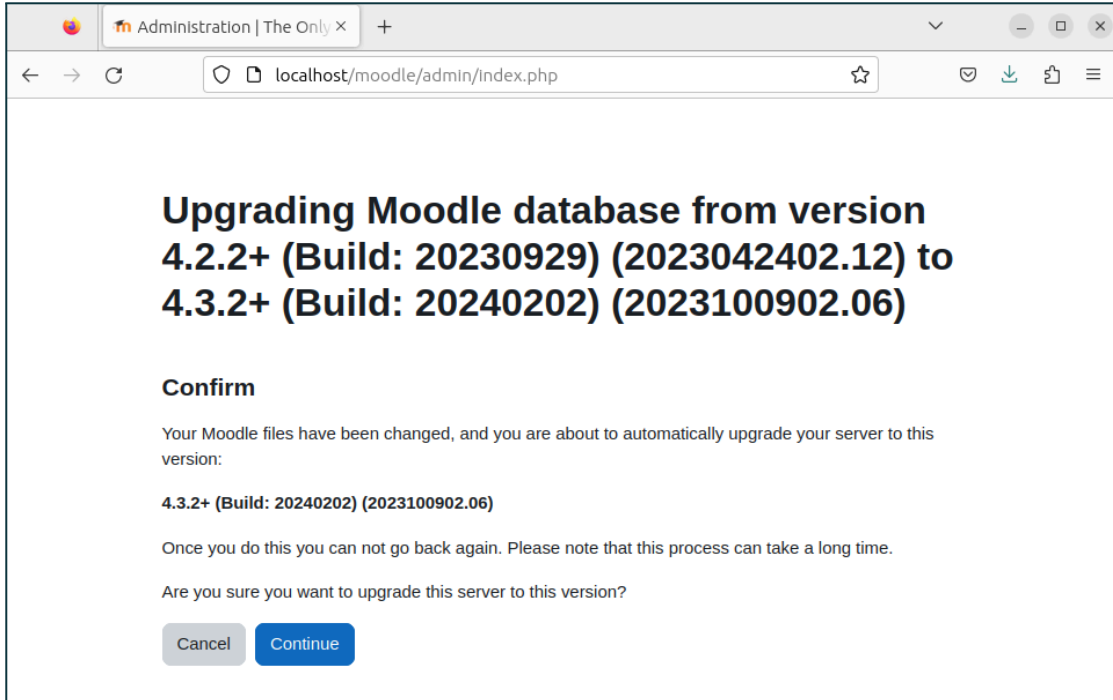
*Note: Make moodle/config.php (and the rest of the source code) readable by your www server. For maximum security the files should not be writeable by your server. This is especially important on a 'production' server open to the public internet.*

## 5&gt; INSTALL THE MOODLE UPGRADE

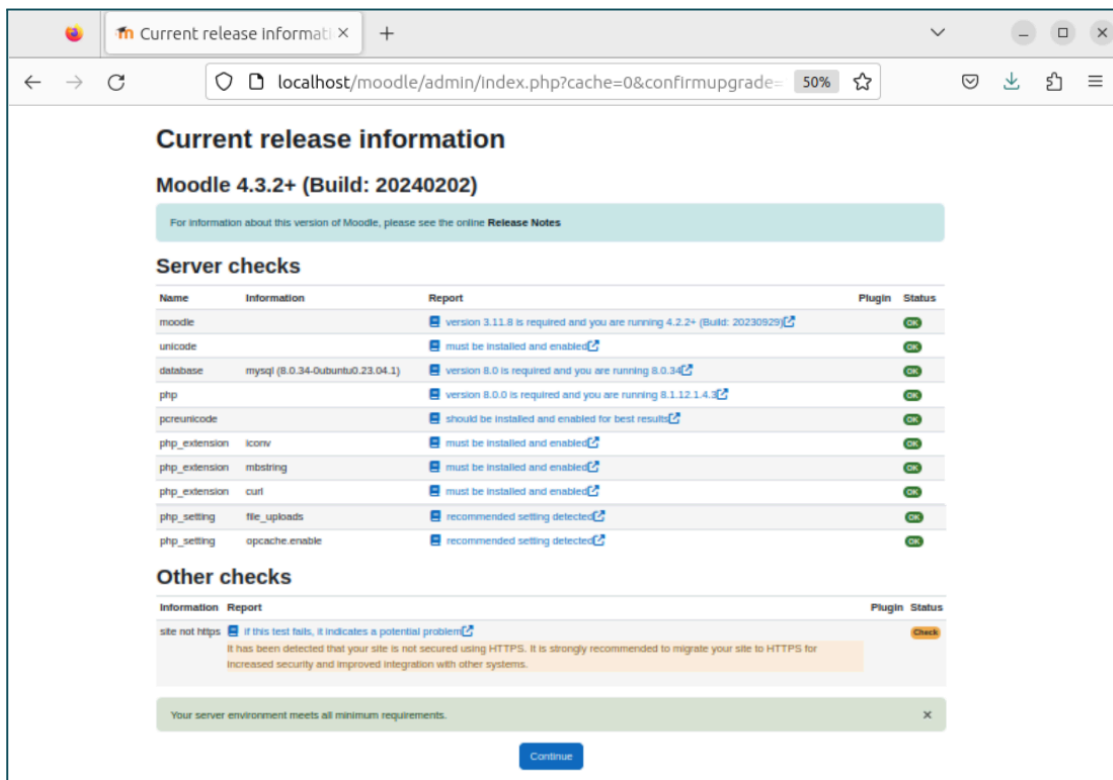
Go to your Moodle site to trigger the upgrade:

<http://localhost/moodle/admin>

- Confirm the server upgrade: **Continue**



- Server Checks: **Continue**  
(Checks server meets requirements)



- **Plugins Check:** Upgrade Moodle database now  
(Detects any plugins that need 'attention'. At this stage if any plugins are flagged, e.g if there is an update available - press download next to the offending plugin - this will download the latest plugin, placing it within your Downloads directory.)

**Plugins check**

This page displays plugins that may require your attention during the upgrade, such as new plugins to be installed, plugins to be upgraded, missing plugins etc. Additional plugins are displayed if there is an available update for them. It is recommended that you check whether there are more recent versions of plugins available and update their source code before continuing with this Moodle upgrade.

[Check for available updates](#)

Last check done on 8 February 2024, 1:50 PM

**Plugins requiring attention**

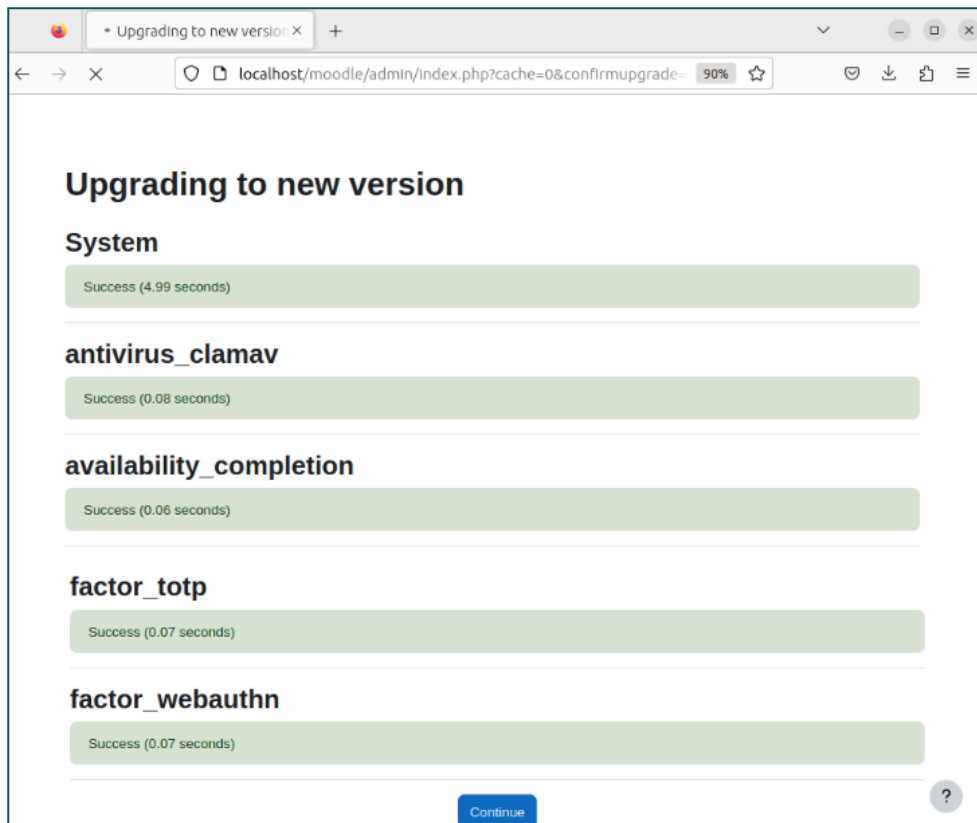
[Plugins requiring attention 440](#) [All plugins 440](#)

Plugin name / Directory	Current version	New version	Requires	Source / Status
<b>Activity modules</b>				
Assignment /mod/assign	2023042400	2023100900	• Moodle 2023100400	Standard <a href="#">To be upgraded</a>
BigBlueButton /mod/bigbluebuttonbn	2023042400	2023100900	• Moodle 2023100400	Standard <a href="#">To be upgraded</a>
Book /mod/book	2023042400	2023100900	• Moodle 2023100400	Standard <a href="#">To be upgraded</a>
<b>Classic</b> /theme/classic	2023042400	2023100900	• Moodle 2023100400 • theme_boost (2023100400)	Standard <a href="#">To be upgraded</a>
<b>almondb</b>	2023100600			<b>Additional</b> <b>Missing from disk!</b> There is a new version 2024013000 available! Release 431.24.130   Stable version   <a href="#">Download</a>   <a href="#">More info...</a>
<b>H5P frameworks</b>				
H5P framework v1.24 /h5p/h5plib/v124	2023042400	2023100900	• Moodle 2023100400	Standard <a href="#">To be upgraded</a>
<b>Payment gateways</b>				
PayPal /payment/gateway/paypal	2023042400	2023100900	• Moodle 2023100400	Standard <a href="#">To be upgraded</a>

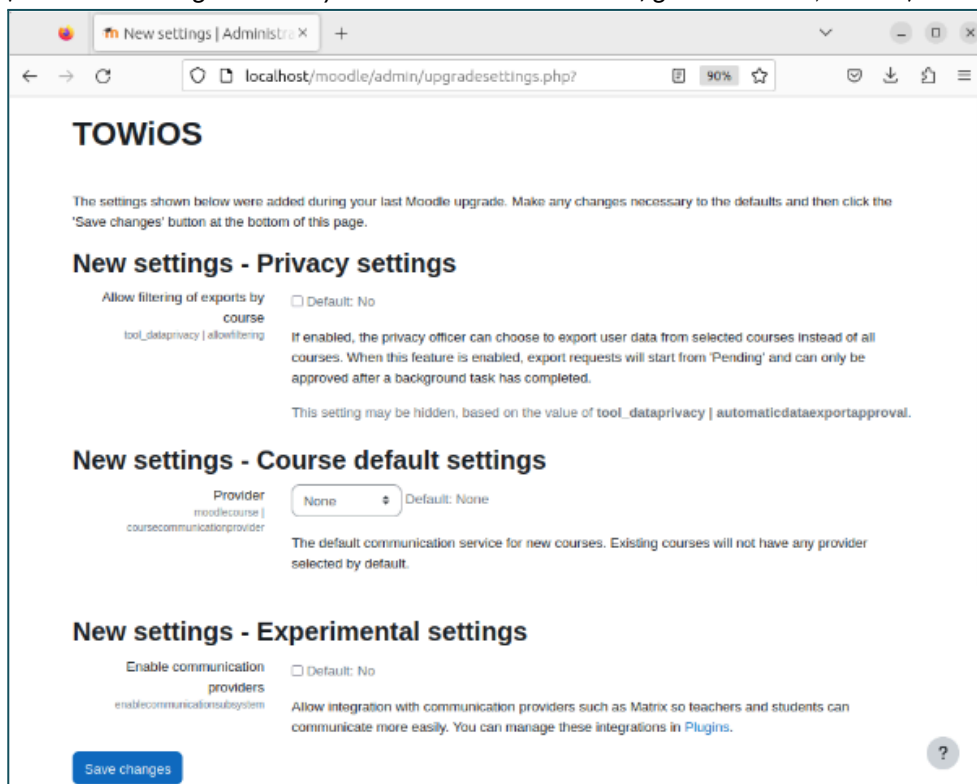
[Reload](#)

[Upgrade Moodle database now](#)

- **Upgrading: Continue**  
(Note this can take some time.)

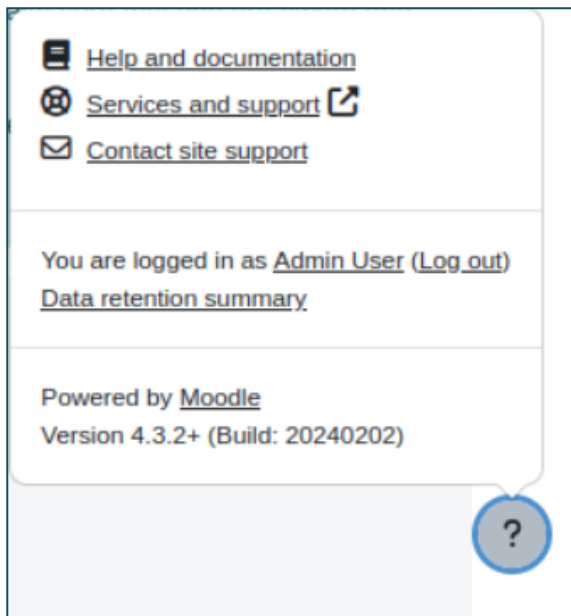


- **New settings: Save changes**  
(Additional settings added to your moodle site. You can configure these now, or later.)



**! THE UPGRADE IS COMPLETE AND YOU ARE RETURNED TO THE NOTIFICATION PAGE !**

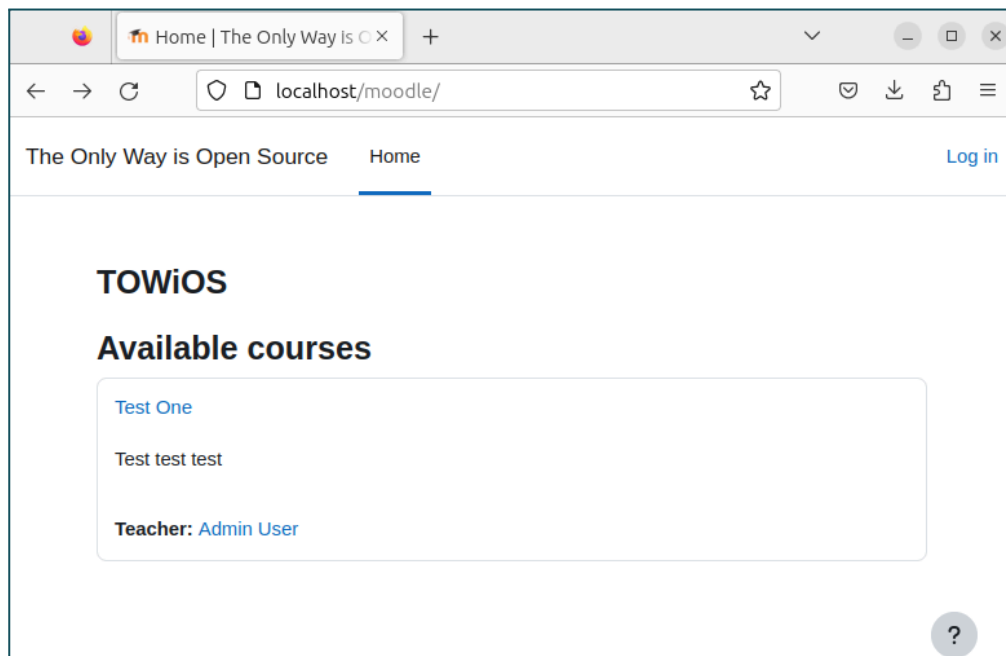
- Identify the version of Moodle now in use:  
Select the '?' mark icon for further details



## 6> DISABLE 'MAINTENANCE MODE'

### Bring site online:

- Site Administration > Server > Maintenance Mode.
- Maintenance Mode = 'Disable'.
- Save changes.



Users can now authenticate, 'Log in'.