

# Moving Moodle: The Plan

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The Goal of this document is to plan the movement for moodle from portal server to a new server.

## Operation Steps Analysis

Generally, there are 3 steps to move a system:

1. Environment Setup.
2. Moving all system related files, including Code and DB.
3. Adjustments to the new Environment.

Before implementing the 2nd step, make sure to put the moodle into maintenance mode; which is only disabled in the new server after the 3rd step is completed.

### Environment Setup

1. Server Base Packages.  
Moodle documentation will suffice for all needed packages.
2. Apache Installation.  
Choosing apache service based on the version in server.
3. Apache Configurations.  
Extracting Configuration from the old server to implement them in the new server.
4. Mysql Installation.  
Version compatibility is important.
5. Mysql Configurations.  
Username and password, along with the right permissions.
6. php Installation.
7. php configurations.

### Moving Code and DB

First, Extract DB using sqldump. Then, using scp command, move all files, folders and extracted SQL files between the servers. Last, install the DB.

### new Environment Adjustments

1. Change Folders' Ownership and permissions.
2. Run Crontab jobs for Moodle in the new server.

## Configurations Extraction Process

There are 3 systems in Environment that needs to be checked and get its Configurations extracted in order for the moodle to run smoothly:

1. Apache Configurations.
2. Mysql Configurations.
3. php Configuration.

### Apache Configurations Extraction

1. Apache Version.
2. Apache Actual Configurations for portal.limu.edu.ly .

### MYSQL Configurations Extraction

The following is the only thing needed, and the rest can be executed as in the moodle documentation.

- MYSQL version.

Can be easily extracted using the following command:

```
$ mysql -V
```

### php Configurations Extraction

In php, two pieces of information are needed to make an, almost, exact replica:

1. php Version.
2. php configurations file location.

Both can be found in phpinfo inside the moodle administration panel.