

2016

Installing and Configuring Moodle

Implatación de Aplicaciones Web

On the next pages i will explain how to install and configure the main characteristics of the CMS Moodle.

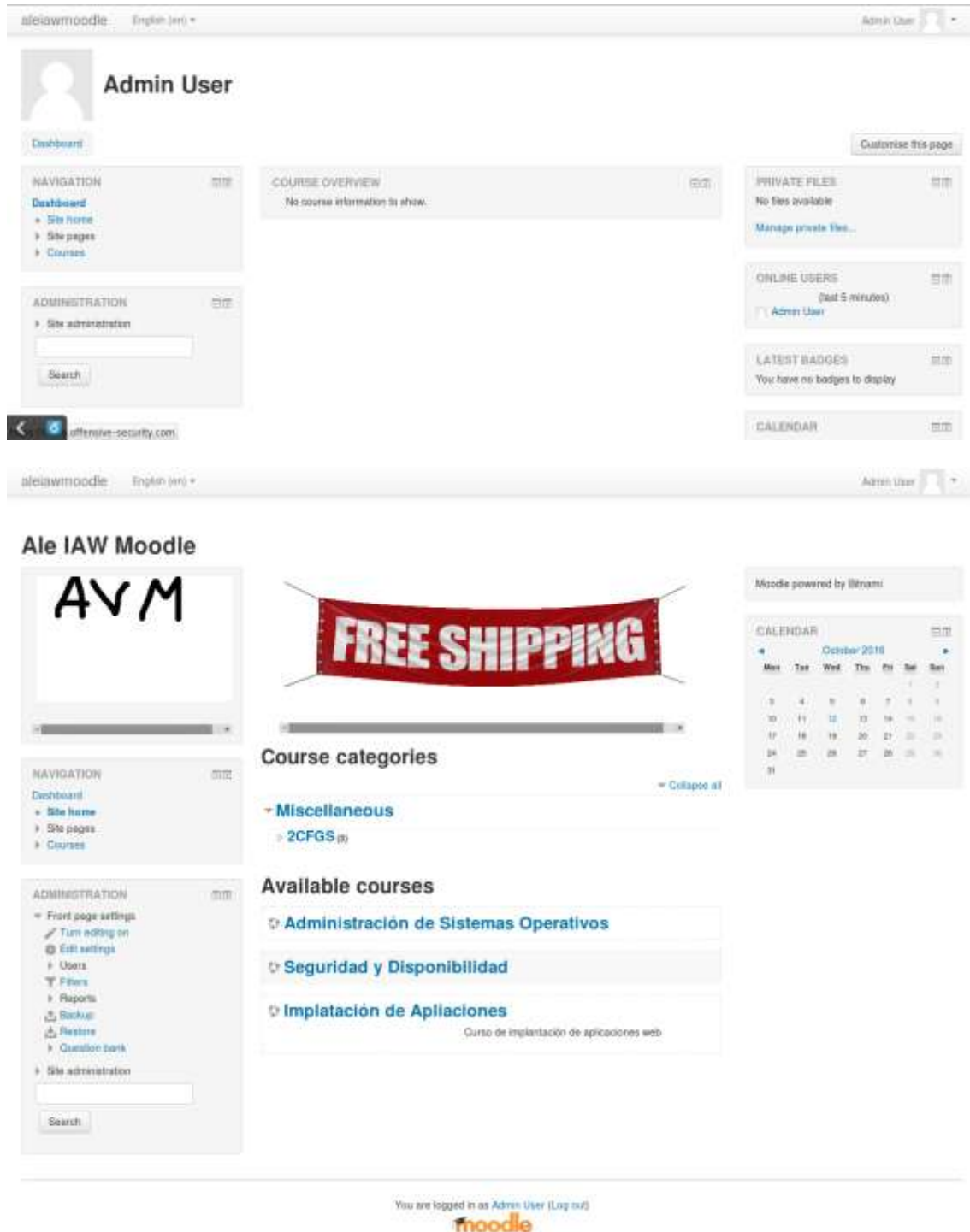


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1. Install Moodle and create a snapshot of the main page (not the login one) after the installation.

Here there are two snapshots of the main page: one just after the installation, and other with some personalization:



2. Frite down the required Apache version, Php version and MySQL for your Moodle Installation

Moodle Version: 3.1.2-2

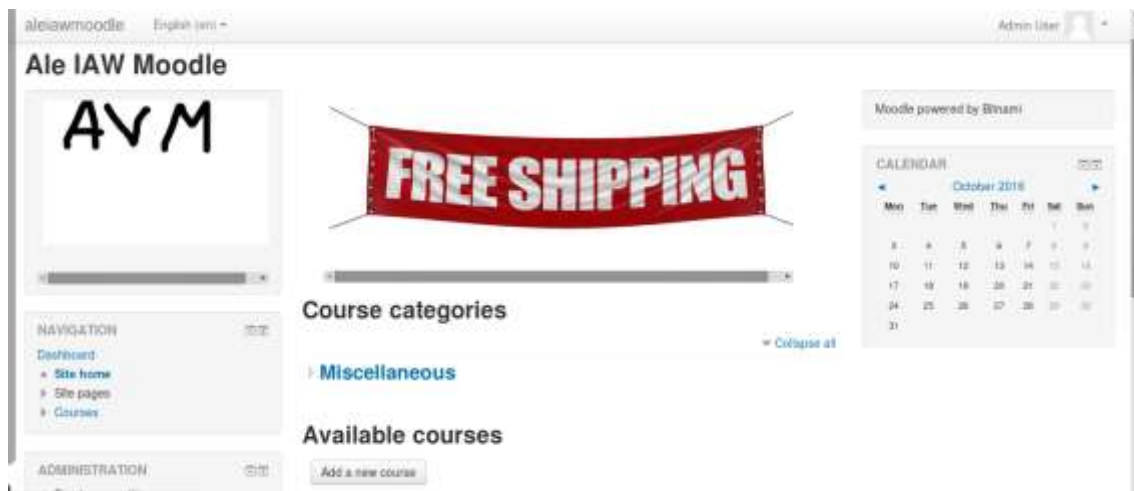
MySQL: 5.5.30

PHP: 5.6.24

Apache: 2.4

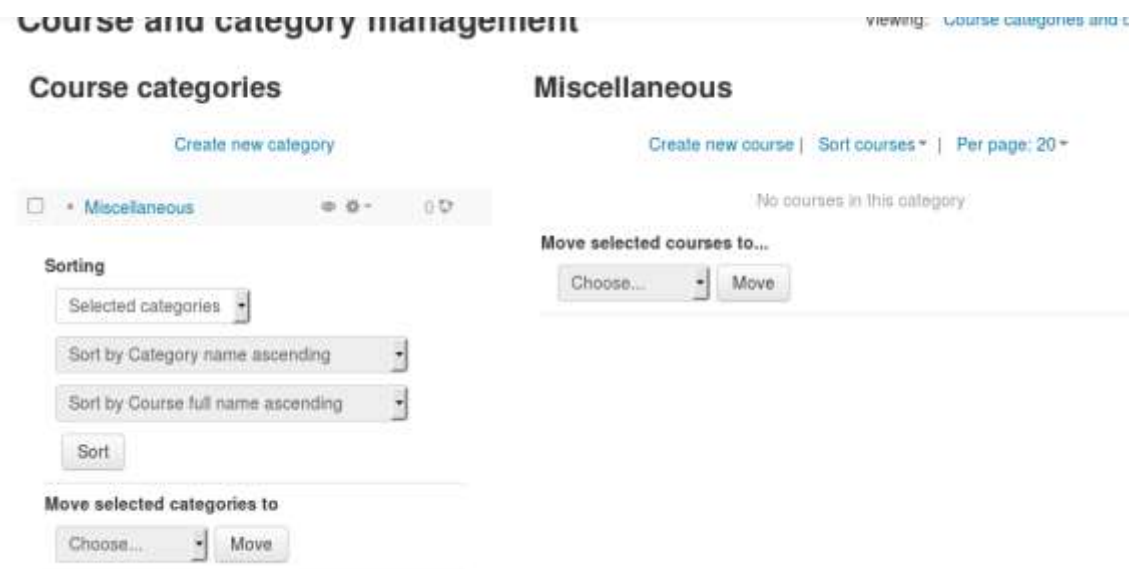
Operating System: Kali Linux 2016.2

3. Change the home page:

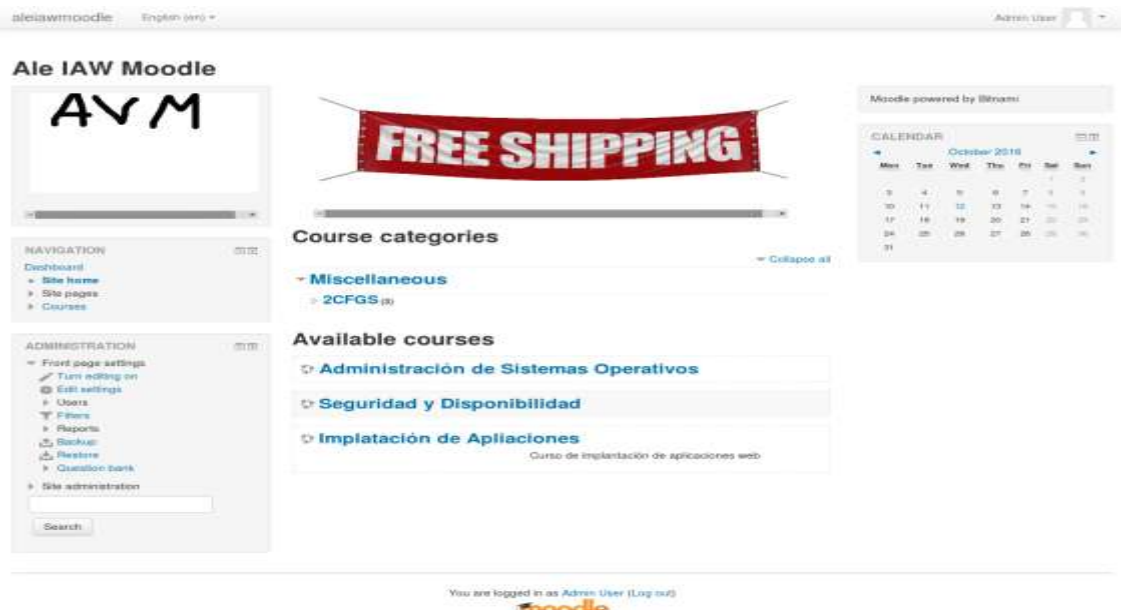


4. Create a new course category (2 CFGS) and add 3 new courses to the category. Describe the process for all the previous changes and add a full screen snapshot where these category and the courses are included.

On the left menú, we can chose the administrator settings, and select add category. This Windows will be shown:

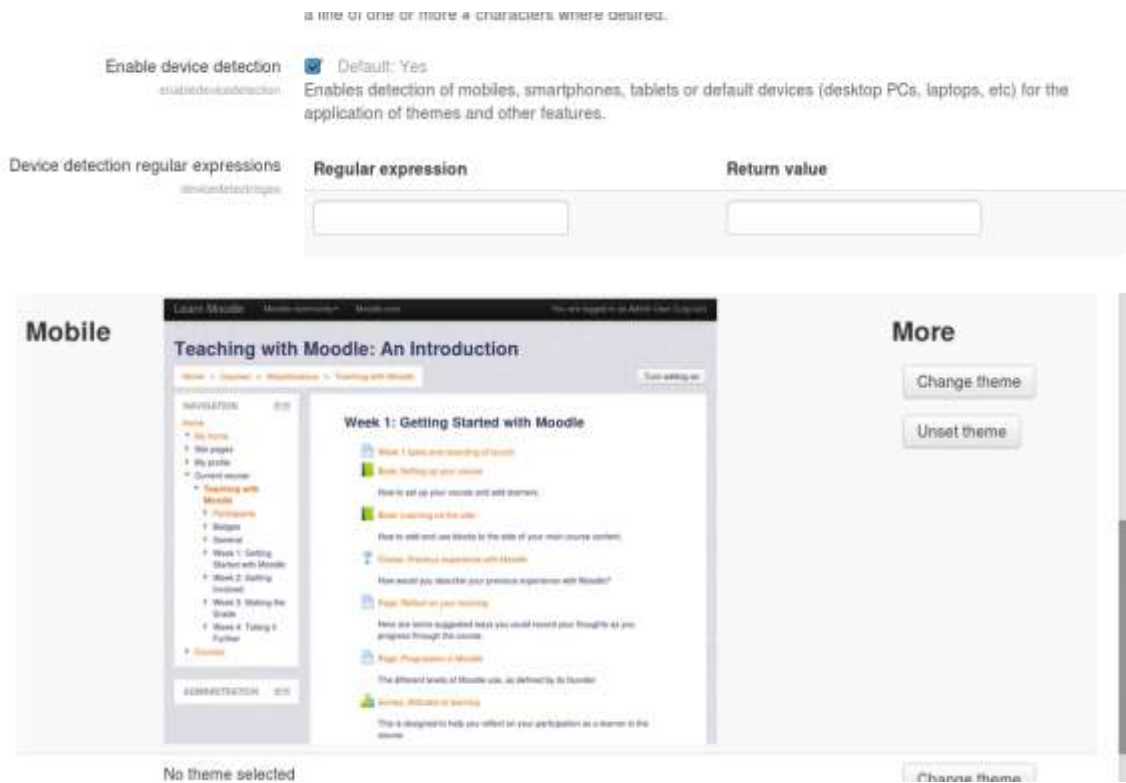


Here we can create a new category. In this case, i have created one called 2CFGs. After that, we can choose the option Create New Course to add some courses to this categories. This is the final result:



5. Change the Theme

We have two important options to change the theme: one for select it, and other for make it adaptable for smartphones and other devices. On the next photos we can see how to choose it, and the result on a smartphone:

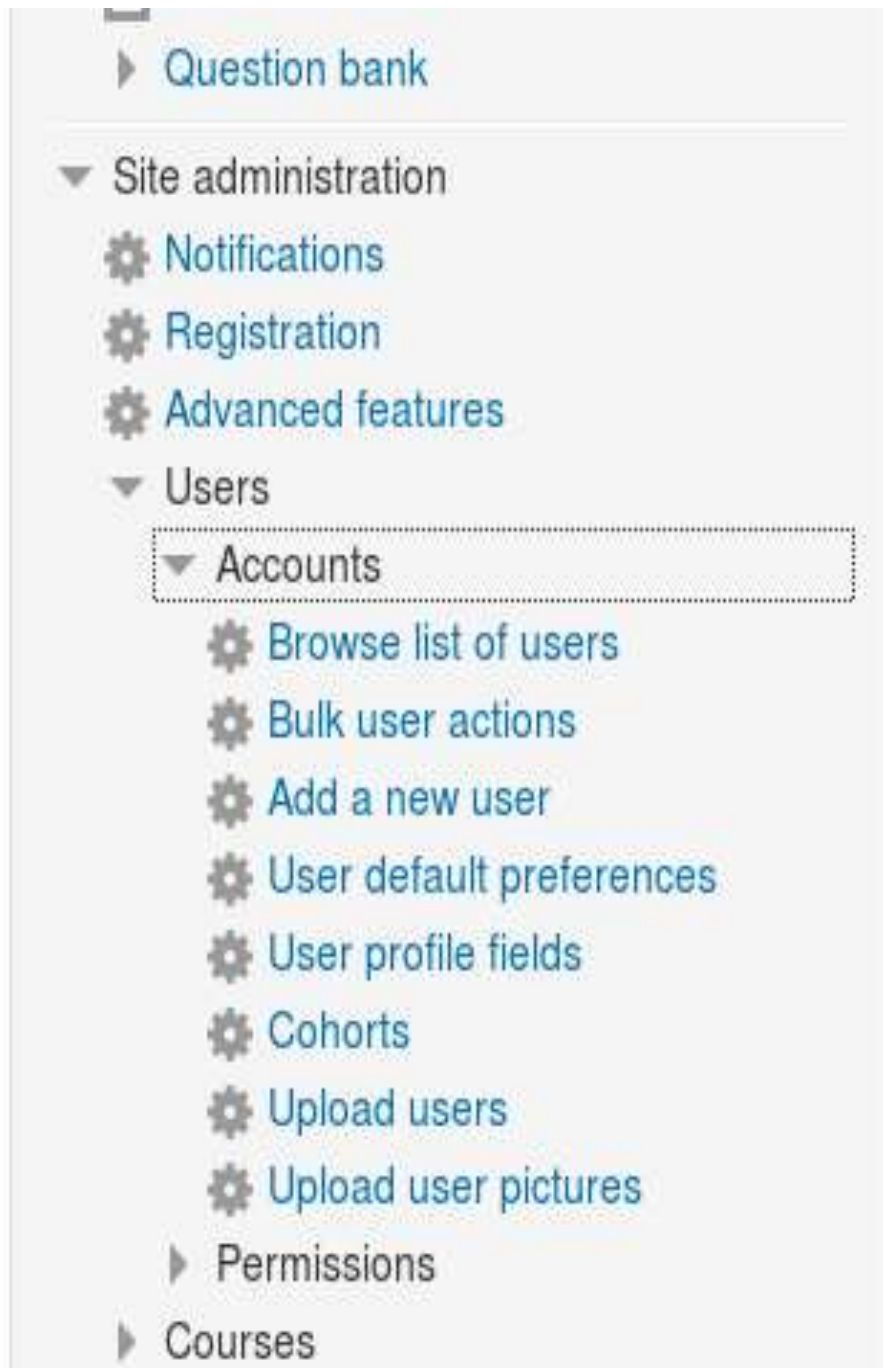


Final result on a smartphone:



6. Create a New User

On the left Menu, we have to choose the option create a new user:



The next page will be shown. Here we can fill it with the new user information:

aleiawmoodle English text Admin User

Ale IAW Moodle

Dashboard Site administration Users Accounts Add a new user Books editing on Outgoing 1

NAVIGATION

- Dashboard
- Site home
- Site pages
- Courses

ADMINISTRATION

- Site administration
 - Authentication
 - Registration
 - Advanced features
 - Users
 - Accounts
 - Browse list of users
 - Push user actions
 - Add a new user
 - User default preferences
 - User profile tabs
 - Cohera
 - Upload users
 - Upload user avatars
 - Permissions
 - Courses
 - Grades
 - Competencies
 - Badges
 - Locales
 - Language
 - Plugins
 - Security
 - Appearance
 - Front page
 - Server
 - Reports
 - Development
 - Assignment upgrade helper

Search

ADMIN RECOMMENDATIONS

Bookmark this page

General

Username

Choose an authentication method

Suspended account ☐

Generate password and notify user ☐

The password must have at least 8 characters, at least 1 digit(s), at least 1 lower case letter(s), at least 1 upper case letter(s), at least 1 non alphanumeric character(s) such as @, -, or &

New password ☐ Unmask

Force password change ☐

First name

Surname

Email address

Email display

City/town

Select a country

Timezone

Description

User picture

Current picture

Delete ☐

New picture

Maximum size for new files: Unlimited. Maximum uploads per second: 1

You can drag and drop files here to add them.

Picture description

Additional names

First name - phonetic

Surname - phonetic

Middle name

Alternate name

Interests

List of interests

Optional

Web page

ICQ number

Skype ID

AIM ID

Yahoo ID

MSN ID

ID number

Institution

Department

Phone

Mobile phone

Address

Create user

There are required fields in this form marked *

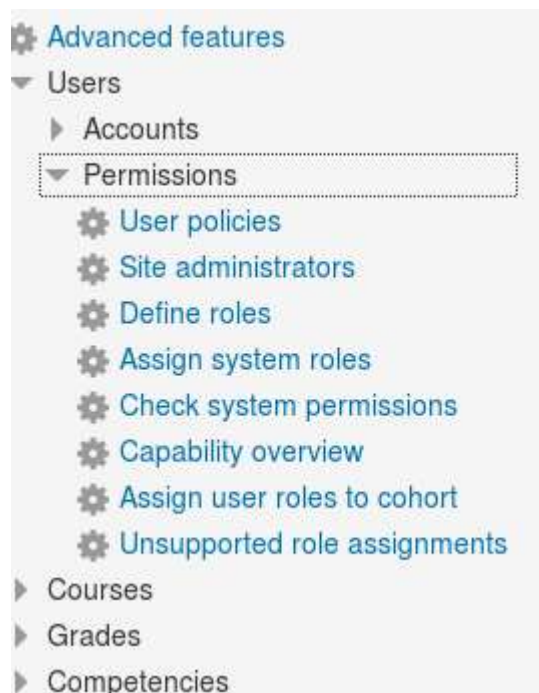
Moodle Docs for this page

You are logged in as Admin User (Log out) Home

2º Administración de Sistemas Informáticos en Red

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To attach it a role, we also have to use the left menu, and chose assign system roles:



7. Look for 10 things to secure Moodle after installation.

- Update Moodle regularly on each release published security holes draw crackers attention after release. The older the version, the more vulnerabilities it is likely to contain.
- Register globals must be disabled. This will help prevent against possible XSS problems in third-party scripts.
- Use strong passwords for admin and teachers. Choosing "difficult" passwords is a basic security practice to protect against "brute force" cracking of accounts.
- Only give teacher accounts to trusted users. Avoid creating public sandboxes with free teacher accounts on production servers.
- Teacher accounts have much freer permissions and it is easier to create situations where data can be abused or stolen.
- Separate your systems as much as possible
- Another basic security technique is to use different passwords on different systems, use different machines for different services and so on. This will prevent damage being widespread even if one account or one server is compromised.

-Security experts recommend a dual firewall differing hardware/software combinations. Disabling unused services is often as effective as a firewall. Use netstat -a to review open network ports

-Have backups ready

-Ensure the enrolment key hint is disabled (which it is by default) in Settings>Site Administration>Plugins>Enrolments>Self enrolment.