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**LAMP platform installation guide**



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# Let’s start installing Apache, an open source HTTP web server, identified as root user with the following command:

**sudo apt install apache2**

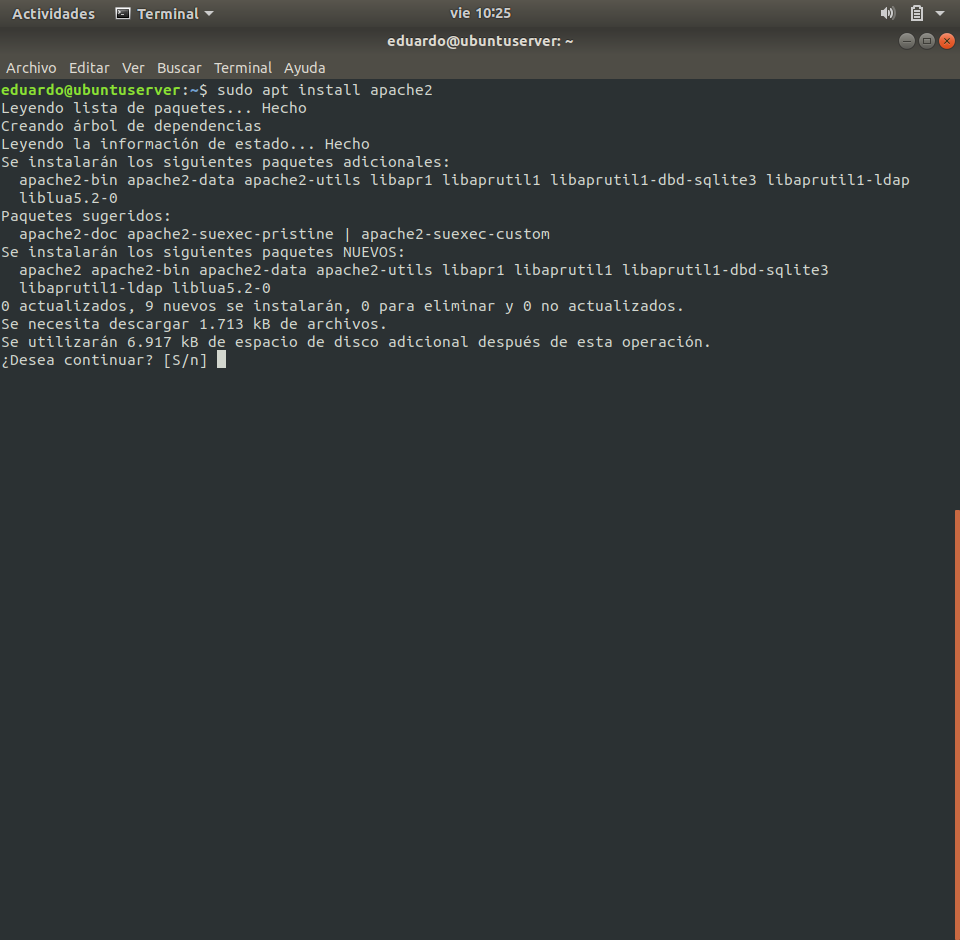


Fig. 1 - Apache installation

# Next, we install PHP, an open source language used in web development and that can be embedded in HTML. It can be installed with this command:

**sudo apt install php**

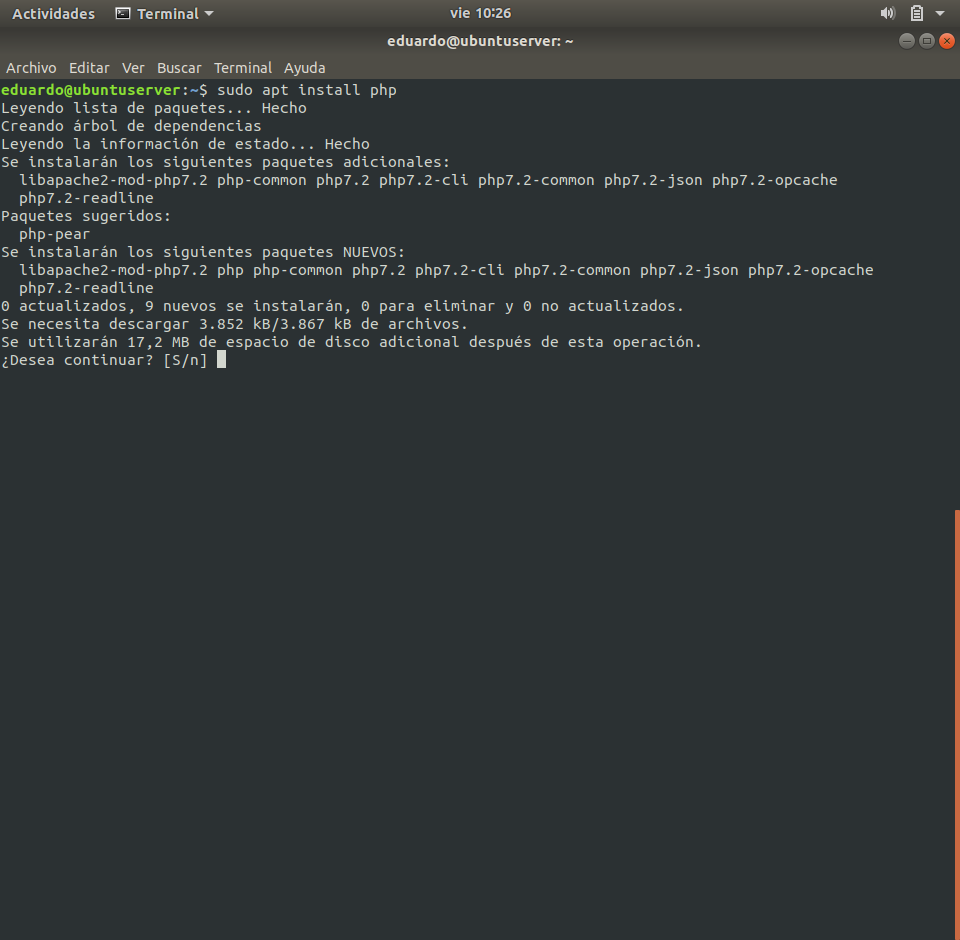


Fig. 2 - PHP installation

# Next step consists in install MySQL Client, a command-line client for MySQL database, executing:

**sudo apt install mysql-client**

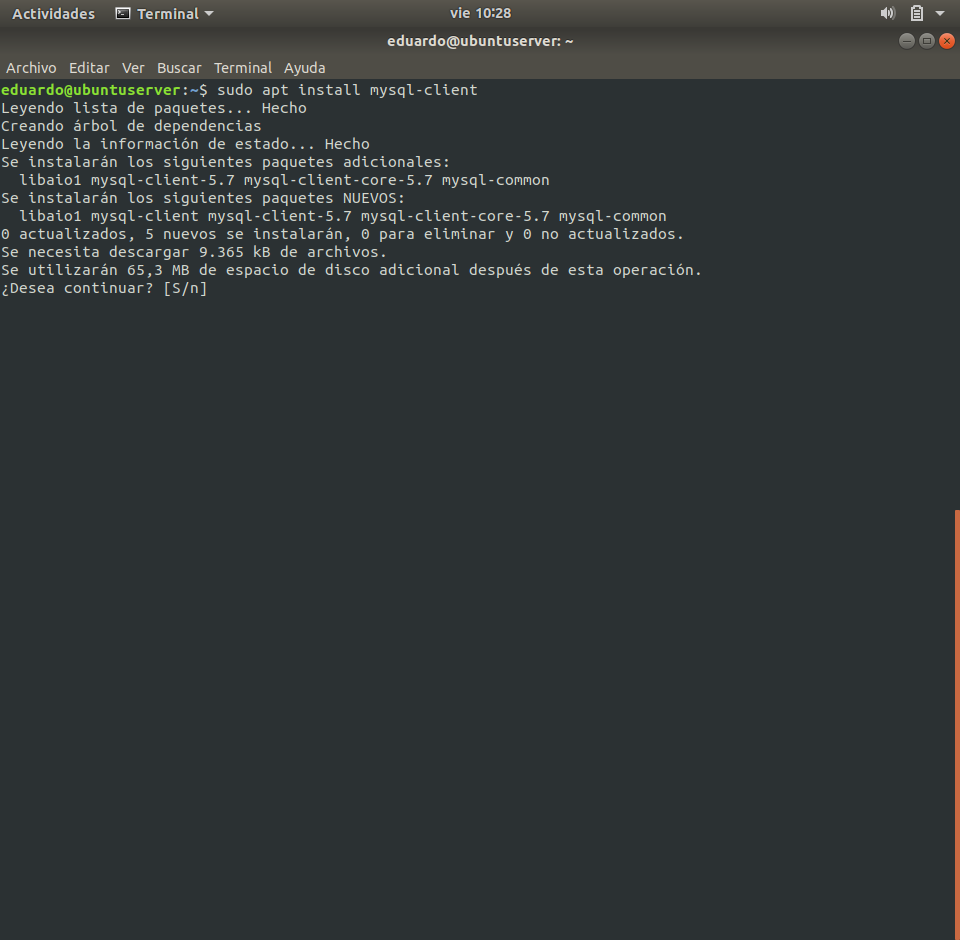


Fig. 3 - MySQL Client installation

# Also is necessary to install MySQL Server, a relational database management system, for the client works:

**sudo apt install mysql-server**

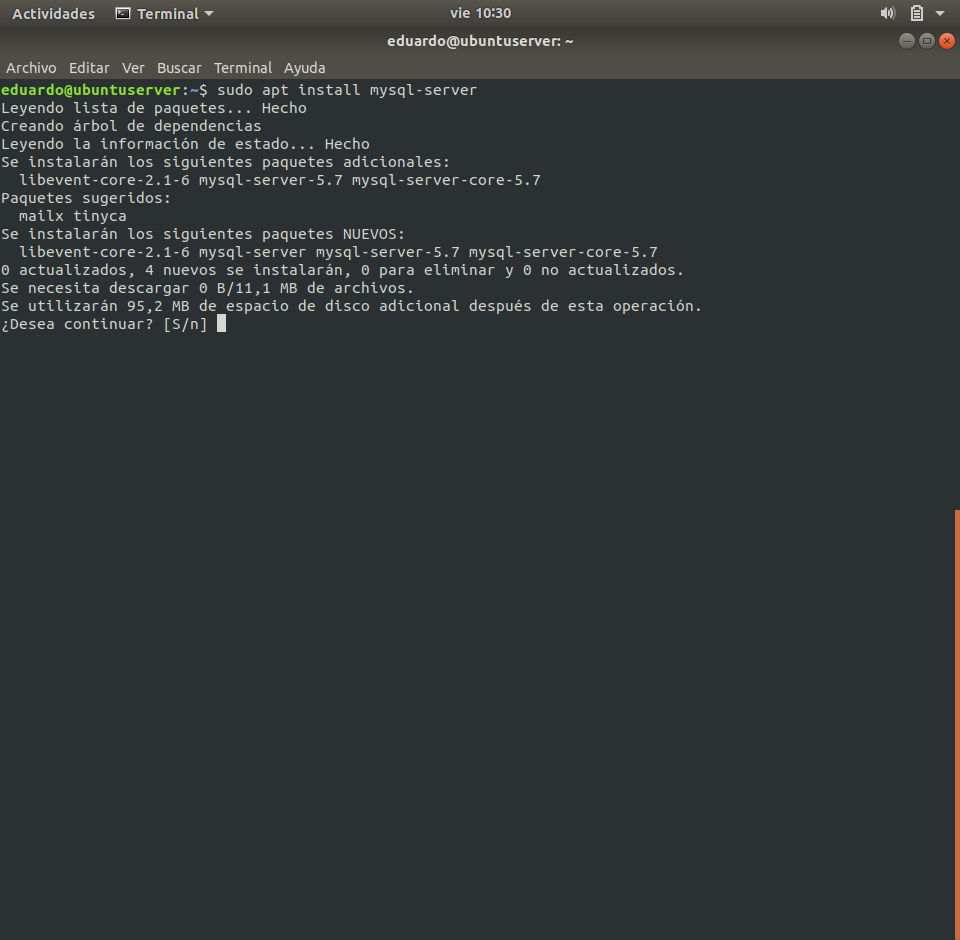


Fig. 4 - MySQL Server installation

# Optionally it can be installed MySQL Workbench (before called MySQL Query Browser, a GUI client for MySQL, using this command:

**sudo apt install mysql-workbench**

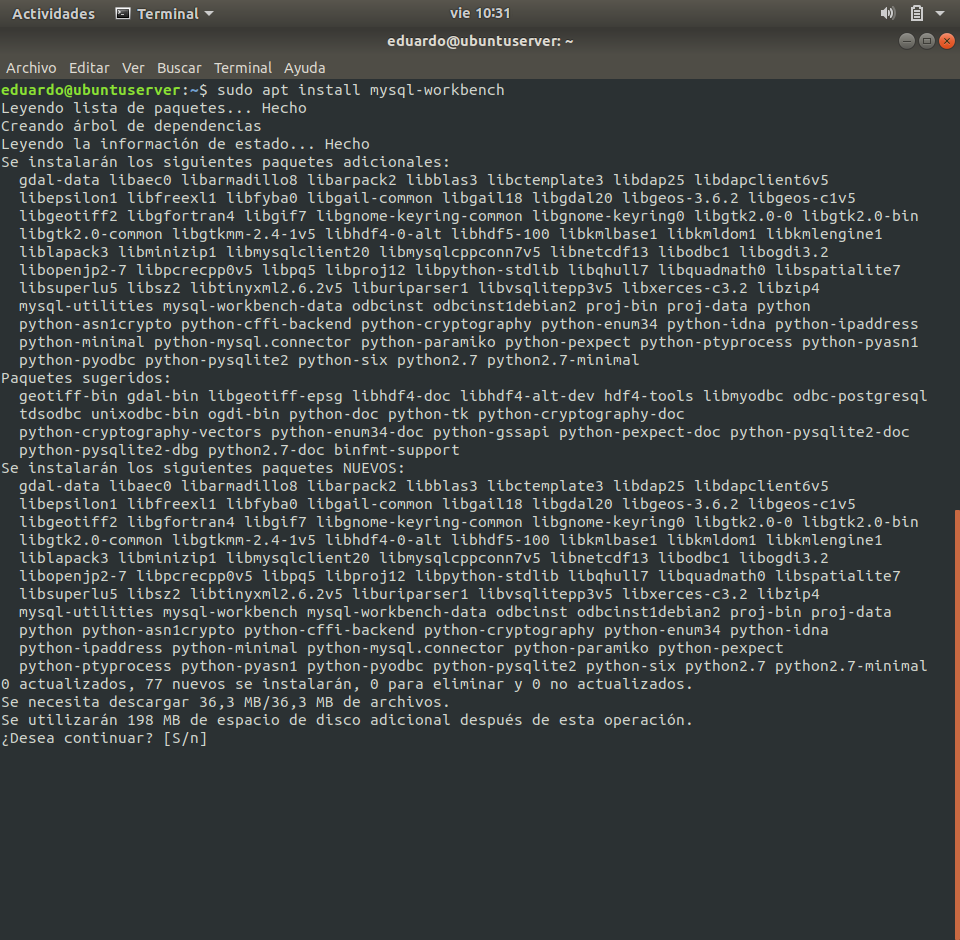


Fig. 5 - MySQL Workbench installation

# For finish the LAMPP platform installation, we install PhpMyAdmin, a MySQL administration tool coded in PHP:

**sudo apt install phpMyAdmin**

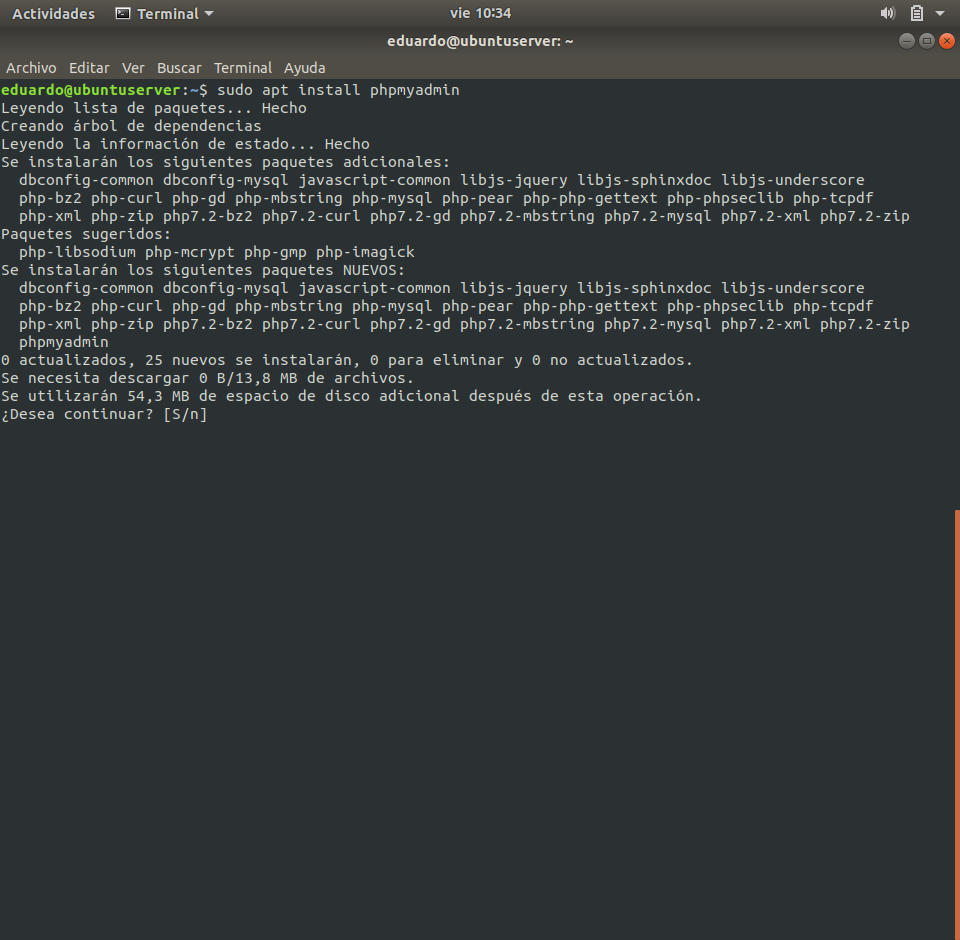


Fig. 6 - PhpMyAdmin installation

## In the installation, we are asked for choose the server used by PhpMyAdmin. We choose ***apache2*** as web server.

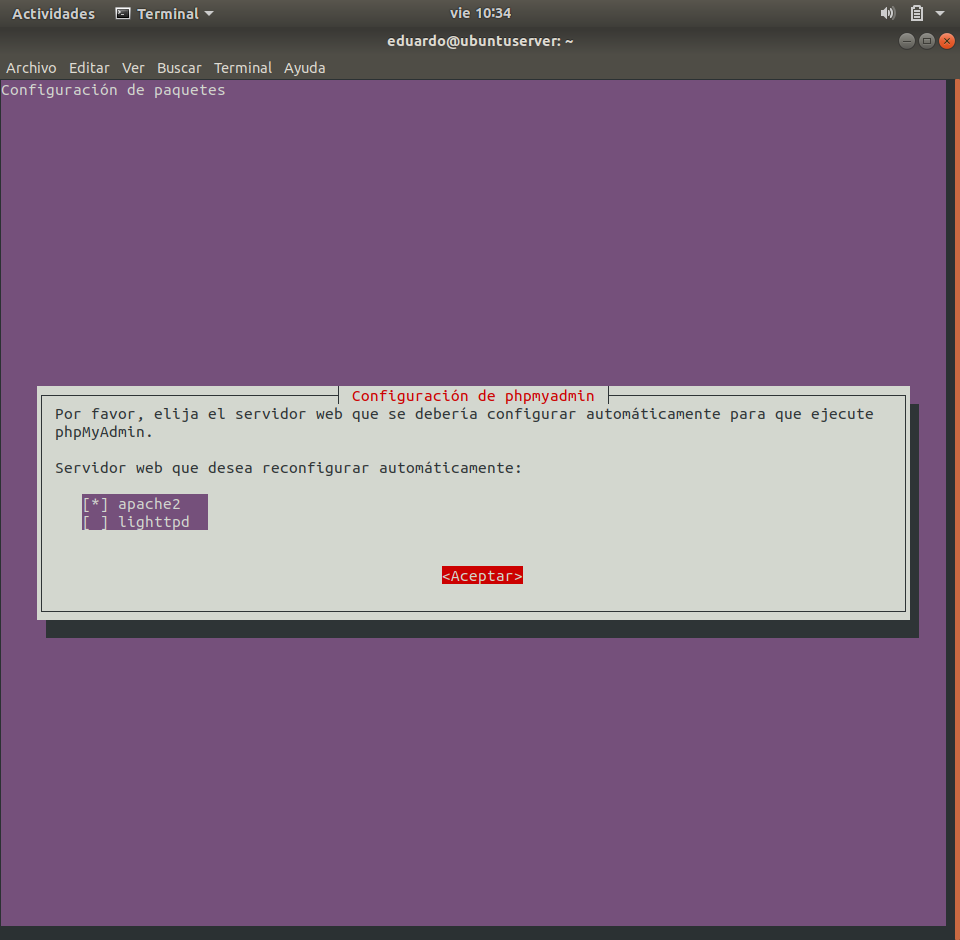


Fig. 7 - PhpMyAdmin server selection

## Next, we install and configure a database for use PhpMyAdmin, saying yes in this step:

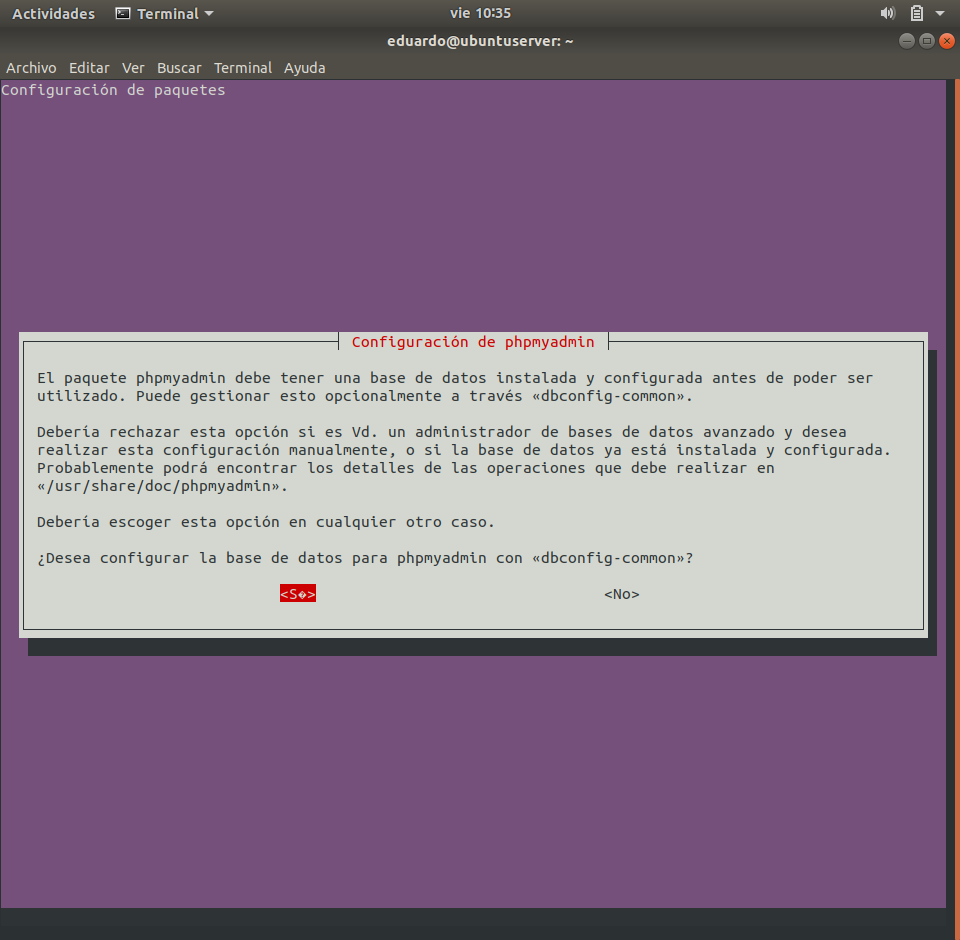


Fig. 8 - PhpMyAdmin database installation and configuration

## Then, we are asked for enter a password and his confirmation for what PhpMyAdmin can connect with MySQL server.

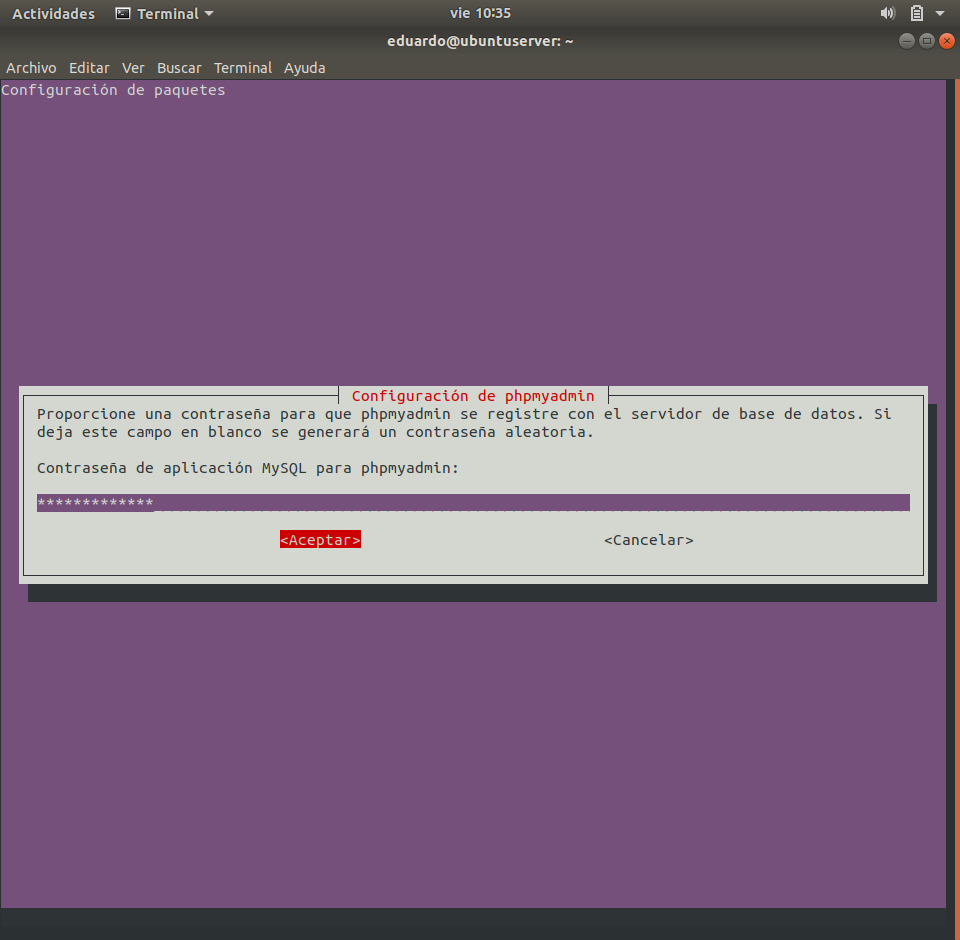


Fig. 9 - PhpMyAdmin password introduction

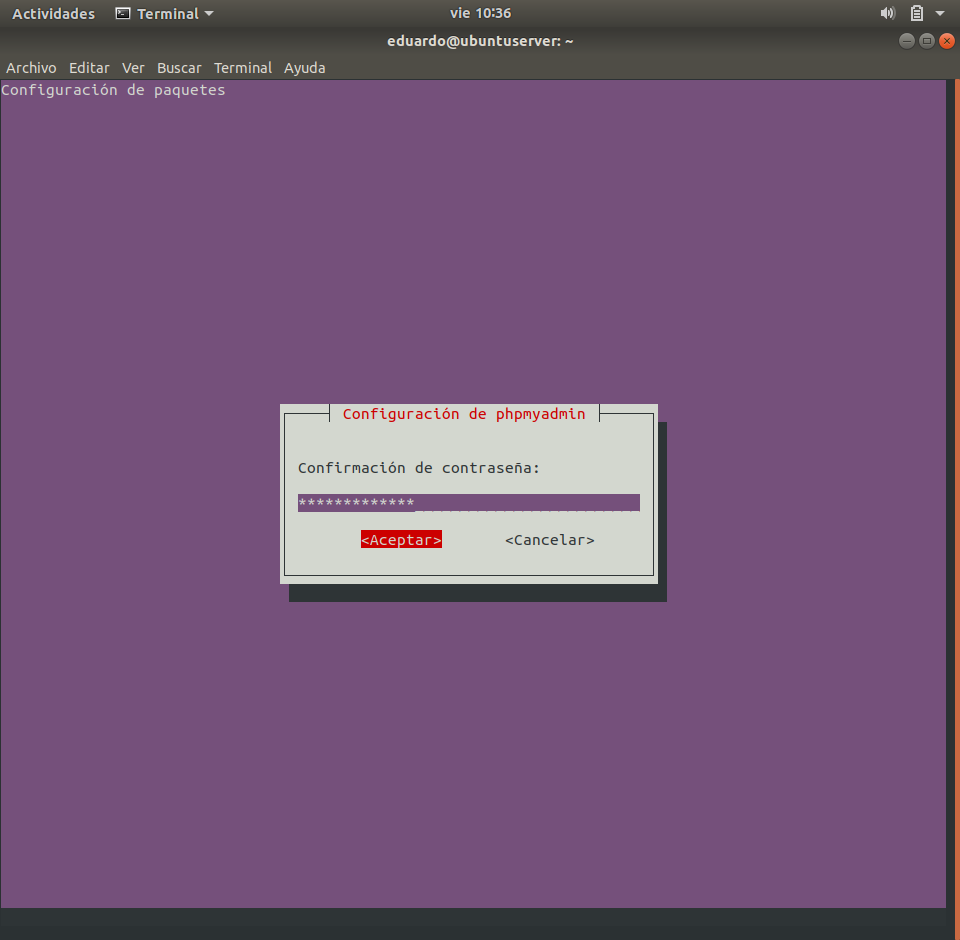


Fig. 10 - PhpMyAdmin password confirmation

## Once everything is installed, we check if it works from a browser writing this URL in the direction bar:

**http://localhost** or **http://127.0.0.1**

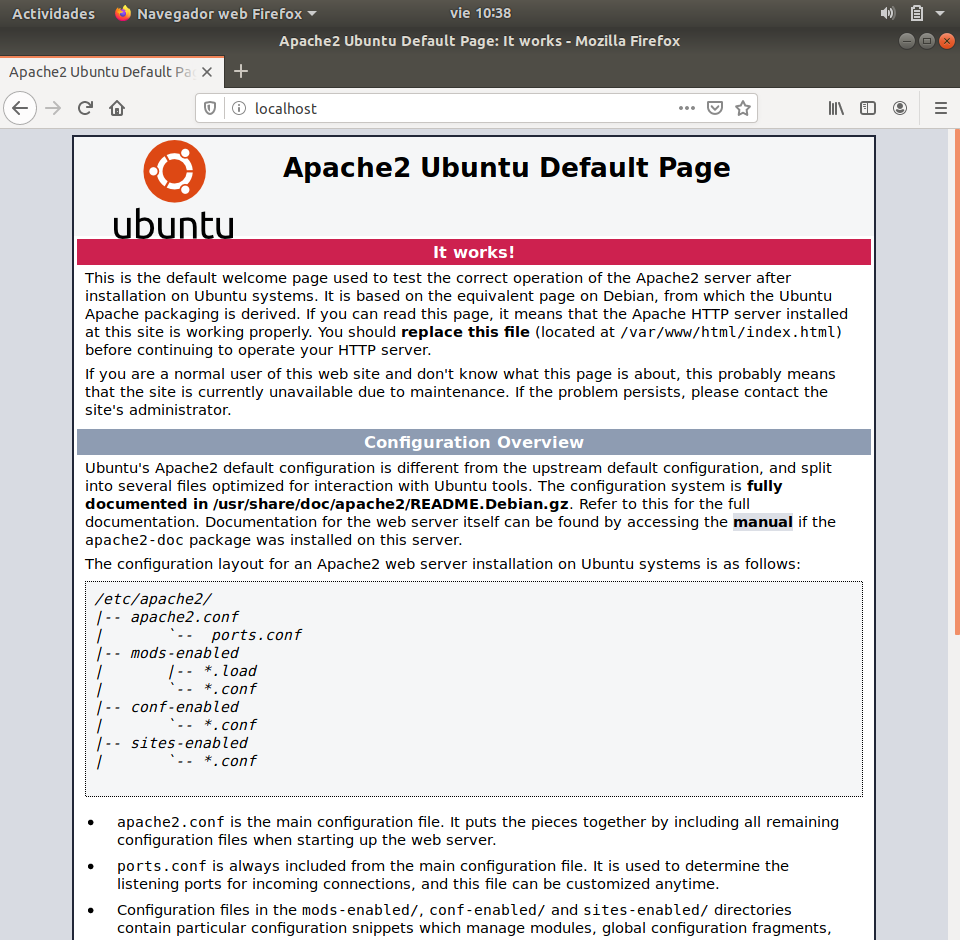


Fig. 11 - Apache working check

## If in any moment we want to stop, start, restart or reload Apache Server, we can use these commands:

**sudo /etc/init.d/apache2 stop** or **sudo service apache2 stop**

**sudo /etc/init.d/apache2 start** or **sudo service apache2 start**

**sudo /etc/init.d/apache2 restart** or **sudo service apache2 restart**

**sudo /etc/init.d/apache2 reload** or **sudo service apache2 reload**

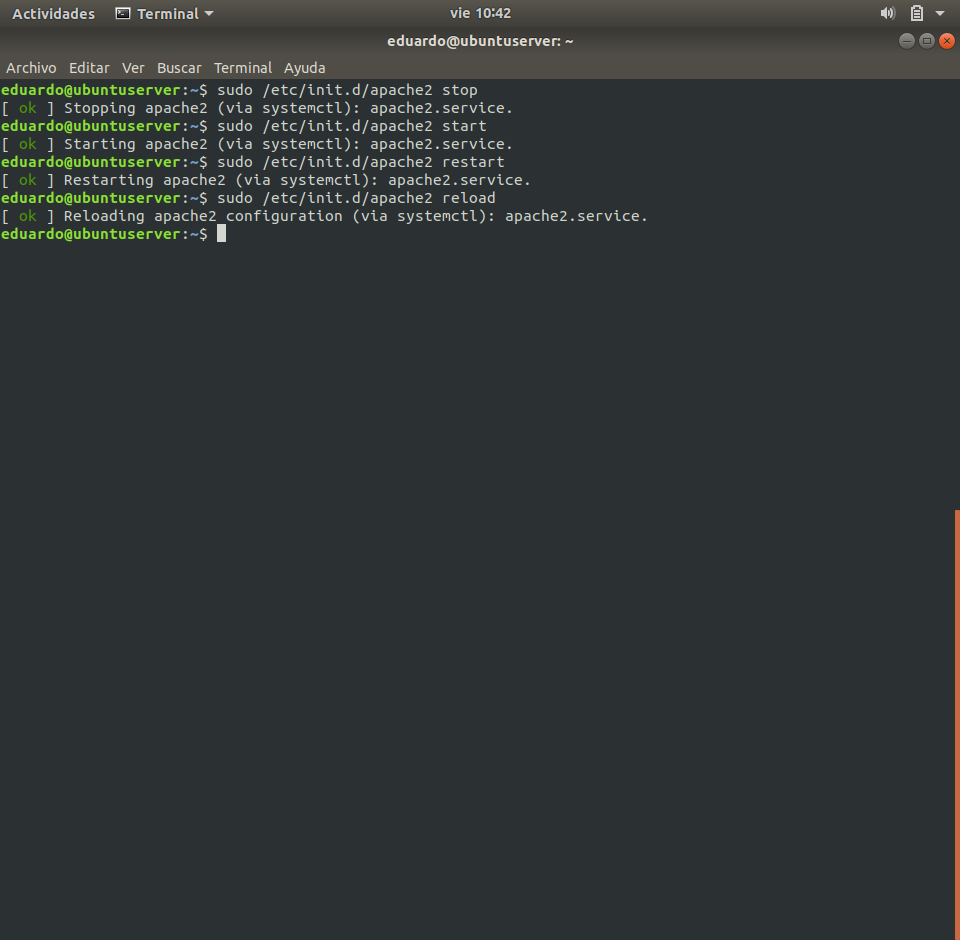


Fig. 12 - Apache Server stopping, starting, restarting and reloading