

# Day 03

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## Kick-off

### T5 - Networks and Systems Admin. Seminar

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T-NSA-500

# Apache2

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Free, open-source web server software that powers about 46% of the world's websites.

The official name is Apache HTTP Server and it is maintained and developed by the Apache Software Foundation.

It allows website owners to serve content on the web - hence the name "web server" -. It is one of the oldest and most reliable web servers with its first version released over 20 years ago, in 1995.



# How does Apache work ?

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When a visitor wants to load a page on your website, such as the home page, their browser sends a request to your server.

Then Apache returns a response with all the requested files (text, images, ...).

The server and client communicate via the HTTP protocol. Apache is responsible for the smooth and secure communication between the two machines.



# Virtualhosts

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They allow you to host several websites (domain names) on the same dedicated server.

A single IP address is used for several websites or domain names, it is a bit like the principle of shared hosting.

You need a virtualhost for each (sub)domain name hosted on your dedicated server.

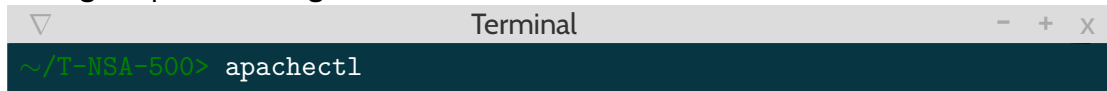


## Tips & Tricks

Important directories:

- /var/www/html
- /etc/apache2/sites-available
- /etc/apache2/sites-enabled

Testing an apache2 configuration:



```
Terminal  
~/T-NSA-500> apachectl
```



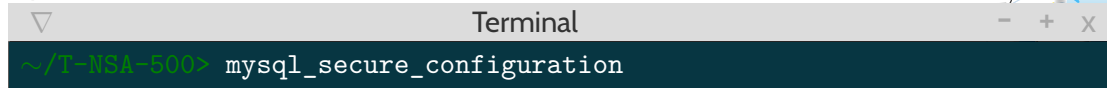
# MySQL



It is strongly recommended not to use an outdated version of mysql.

As part of the exercise we have you install an old version of *MySQL*.  
Try to guess why we ask you this?

## Tips & Tricks



# PhpMyAdmin

There are several ways to access and make changes to your database.  
You can:

- use a command line (console),
- execute queries in PHP,
- use a program that gives you a quick overview.

Today you will discover *phpMyAdmin*,  
one of the most famous tools for manipulating a *MySQL* database.



# Questions

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Do you have any questions?

