

# RHCSA

## BOOT CAMP

Web Services



# APACHE CONFIGURATION

- The main apache configuration file is `httpd.conf` and is found in `/etc/httpd/conf/`. This configuration file stores the core configuration of the web server.
- In Apache 2, the `/etc/httpd/conf.d` directory stores configurations that are specific to a particular Apache module. All files in this directory ending in `.conf` will be parsed as a configuration file.



# APACHE CONFIGURATION

- You can find this example Apache VirtualHost definition at the bottom of `httpd.conf`:

```
<VirtualHost _____>  
    ServerName name  
  
    ServerAlias alias  
  
    DocumentRoot path  
  
    CustomLog /path/to/access_log combined  
  
    ErrorLog /path/to/error_log  
  
</VirtualHost>
```

- The `NameVirtualHost` directive **must be used** to specify an IP that can host multiple websites.



# LAB

1. Configure two websites on your server. “X” represents your station #.
2. `wwwX.example.com` should be served from `/var/www/html` and should also respond to requests for the short hostname `wwwX`.
3. `vhostX.example.com` should be served from `/home/linus/html` and should also respond to requests for the short hostname `vhostX`.
4. Both should be listening on your primary ip address, but `wwwX.example.com` should be the default site.



# SECURING APACHE

- Apache support access control through `allow` and `deny` directives:
  - `allow from <host|network|ALL>`
  - `deny from <host|network|ALL>`
- These can be applied in the given order:
  - `order allow,deny` Allows explicitly allowed clients and **denies everyone else**. Anyone matching both the `allow` and `deny` are denied.
  - `order deny,allow` Denies explicitly denied clients and **allows everyone else**. Anyone matching both the `allow` and `deny` are allowed.



# SECURING APACHE

- These access control directives are applied through a per-Directory or per-File basis.
- The `allow`, `deny` and `order` directives are placed inside one of the following tags:
  - `<Directory>`
  - `<File>`



# LAB

1. Reconfigure your two websites such that:
  - `wwwX.example.com` is accessible to everyone except for the person sitting to your left.
  - `vhostX.example.com` is only accessible to the person sitting to your right.



```
slideshow.end();
```