

Web Technologies

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Security & Networks

Based on a course by Tom Chothia

Webserver 101

- Check open ports:
`nmap localhost`
- Start Apache:
`sudo systemctl start apache2`
- Start MySQL:
`sudo systemctl start mysql`
- Check again:
`nmap localhost`

Webserver 101

- Standard files in /var/www/html
cd /var/www/html
ls -la
nano index.html
- View in webbrowser at (in my setup)
<http://192.168.68.3/index.html>

PHP 101

- A form: nano page.html
<http://192.168.68.3/page.html>
- Will submit data to add.php
nano add.php
- add.php is a PHP script:
 - Mixed with HTML
 - Code between `<?php ?>`
 - C/Java-like syntax
 - `$_GET[]` to access GET variables
 - Similar for `$_POST[]`

Javascript 101

- Page using Javascript to check some form fields:
<http://192.168.68.3/pageJavascript.html>
- Checks fields client-side
(not a good idea ...)
- nano pageJavascript.html

Databases 101

- pageJavascript.html POSTs to resultsPass.php
- nano resultsPass.php
- Let's look into the DB:
sudo mysql
show databases;
show tables;
use webdemo;
select * from users;