Schedule and outline

Assignment due dates

Final project presentations will be given on during the last week of class.

Weekly Readings

A reading designated as reference only ® is not required to be read but can be a valuable resource for troubleshooting or review

Week 1

- RAID
- Docker - ®
- Docker how to (make sure you know how to do all that is explained along the left menu)
- Definition of Docker terms
- Dockerizing user guide - (Start here)

Week 2

- HTTP RFC - reference only ®
- TCP Link - ®
- HTTP Review
- HTTP Status codes - Know the general areas.
- HTTP Specs - ®
- Apache platform - all 8 pages
- Apache core - ®

Week 3

- Threads vs. Processes - to help understand Apache prefork vs. MPM
- Simple guide to web server analysis - webalizer
- Name based host
- IP based hosts
Week 4
- Virtual Host Matching
- Virtual Host Sections

Week 5
- Quota how-to
- Authentication (11 pages)
- Apache Auth Documentation - ®

Week 6
- Mod rewrite-1
- Mod alias
- My rewrite examples
- Regular Expression Tutorial
- Regular Expression Builder

Week 7
- Wikipedia overview of web-crawling
- Googlebot
- Robots.txt
- Robots.txt-Internet draft - ®

Week 8
- Mod deflate
- Other tutorial on compression *
- Content negotiation

Week 9
- SSL-1
- SSL-2
- Easy ssl how-to

Week 10
- Mod proxy
- Mod Proxy Balancer
- Squid ACL Config - ®
- Squid how-to

Week 11

Week 12

Week 13
- MySQL-Backup
- MySQL-Availability and Scalability
- DRBD configuration site - ®
- My DRBD how-to

Week 14
- MySQL-Replication
- MySQL-Cluster
- Reset Root MySQL password*

Week 15
Week 16

- Final Review

*provided as reference material if needed