

Week #11 – Apache Web Server

Overview of the week's objectives

As a system administrator, you will most likely be responsible for installing or administering a web server in addition to your regular duties.

The most popular web server software is Apache. Statistically, Apache is used more than all other web servers combined. Chances are very high you will end up with an Apache web server at some point in your career.

This week's material will introduce students to the popular Apache Web Server application. You will explore Apache history, HTTP protocol, Apache installation, configuration, and security. Our Practice Assignment will have you install and setup apache.

TODO List

Please refer to all previous "Week's Overview PDFs" for details / advice relating to, or concerning, each of the tasks detailed in the remainder of this overview. While we focus on instructions specific to this week's material herein, previous instructions still apply.

Learning Activity			Time in hours		Points
			Expected	Spent	
Reading Assignments	O3L8	Studying Guides & Videos	2		
Practice Assignments	O3L8-PQ	Taking Practice Quizzes	1		
	W11-PA	Working on PAs & Participating to PA forums	5		
Graded Assignments	W11-GQ	Taking Graded Quiz	1		2
	W11-DF	Participating to Discussion forums	3		1
			12		3

Task #1 – Study & Practice

Refer to “Week #2’s Overview PDF” and/or all previous “Week’s Overview PDFs” for detailed instructions on how to use [online module guides](#), [practice quizzes](#) and our [support forum](#) while working on this task.

Task #2 – Practice Assignments

Refer to “Week #2’s Overview PDF” and/or all previous “Week’s Overview PDFs” for detailed instructions applying to all Practice Assignments.

Question #1

Prepare a new virtual box VM and install a version of Ubuntu server init. This will provide you with a lean system not encumbered with GUI frameworks which would use unnecessary resources and offer potential security exploits on unneeded software.

Question #2

Find the name of the software packages necessary to install an apache server. Install them on your virtual machine.

Question #3

Configure your apache server to serve a few simple web pages you will prepare.

Task #3 – Discussion Forums

Refer to “Week #2’s Overview PDF” and/or all previous “Week’s Overview PDFs” for detailed instructions applying to all discussion forums assignments.

Topic #1 – W11DF – Apache vs. IIS

Using the internet, research at least three major differences between apache and IIS web servers. The following are just a few examples to give you a better idea of what we mean by “major differences” in this assignment; how virtual hosting is handled, security features, ... For each of your three major differences, provide a detailed explanation, in your own words, of the technical nature of the differences, their impact on functionalities, their impact on system administration.

Task #4 – Graded quizzes

Refer to “Week #2’s Overview PDF” and/or all previous “Week’s Overview PDFs” for detailed instructions applying to all graded quizzes.