

Deliverable 1

Tutorial can be found [here](#)

Concepts I don't understand:

- Web Server
 - a computer that stores web server software and a website's component files
- Apache
 - a free and open-source web server that delivers web content through the internet.
- Firewall
 - network security device that monitors and filters incoming and outgoing network traffic based on an organization's previously established security policies

Questions

- What is a web server? Hardware and software side
 - On the hardware side, a web server is a computer that stores web server software and a website's component files (for example, HTML documents, images, CSS stylesheets, and JavaScript files). A web server connects to the Internet and supports physical data interchange with other devices connected to the web. On the software side, a web server includes several parts that control how web users access hosted files. At a minimum, this is an HTTP server. An HTTP server is software that understands URLs (web addresses) and HTTP (the protocol your browser uses to view webpages). An HTTP server can be accessed through the domain names of the websites it stores, and it delivers the content of these hosted websites to the end user's device.
- What are some different web server applications?
 - Apache Tomcat, WildFly, Resin, Oracle Weblogic
- What is virtualization?
 - Simulating a computer within a computer
- What is virtualbox?
 - a powerful x86 and AMD64/Intel64 virtualization product for enterprise as well as home use
- What is a virtual machine?
 - a computer system created using software on one physical computer in order to emulate the functionality of another separate physical computer.
- What is Ubuntu Server?
 - variant of the standard Ubuntu you already know, tailored for networks and services
- What is a firewall?

- network security device that monitors and filters incoming and outgoing network traffic based on an organization's previously established security policies
- What is SSH?
 - Secure Shell is a network communication protocol that enables two computers to communicate