Deliverable 1

> Tutorial can be found here

Answer The following questions:

- What is a web server? Hardware and software side

  On the hardware side, a web server stores server software and website component files on a computer. It connects to the internet and supports physical data interchange with other devices that also use the web.

  On the software side, a web server controls how web users access hosted files. At a minimal this is an HTTP Server. An HTTP Server understands URLs and HTTP.

- What are some different web server applications?

Apache HTTP Server

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The Apache HTTP Server Project is an effort to develop and maintain an
open-source HTTP server for modern operating systems including UNIX and
Windows. The goal of this project is to provide a secure, efficient and
extensible server that provides HTTP services in sync with the current HTTP
standards.
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Tomcat

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The Apache Tomcat software is developed in an open and participatory
environment and released under the Apache License version 2. The Apache
Tomcat project is intended to be a collaboration of the best-of-breed
developers from around the world. We invite you to participate in this open
development project.
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NGINX

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Nginx [engine x] is an HTTP and reverse proxy server, a mailproxy server,
and a generic TCP/UDP proxy server, originally written by Igor Sysoev. For
a long time, it has been running on many heavily loaded Russian sites
including Yandex, Mail.Ru, VK, and Rambler.
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- What is virtualization?

  Virtualization is technology that lets you create useful IT services using resources that are traditionally bound to hardware.

- What is virtualbox?

Virtualbox is a type-2 hypervisor for x86 virtualization, a virtual machine of sorts.

- What is a virtual machine?

A virtual machine is a compute resource that uses software instead of a physical computer to run programs and apps.

- What is Ubuntu Server?

Ubuntu Server is a part of the larger set of Ubuntu products and operating system developed by Canonical Ltd. Ubuntu server is a specific addition that differs a little bit from Ubuntu desktop, in order to facilitate installation on servers.

- What is a firewall?

A firewall is a network security device that monitors traffic to or from your network.

- What is SSH?

SSH, also known as Secure Shell or Secure Socket Shell, is a network protocol that gives users, particularly system administrators, a secure way to access a computer over an unsecured network.