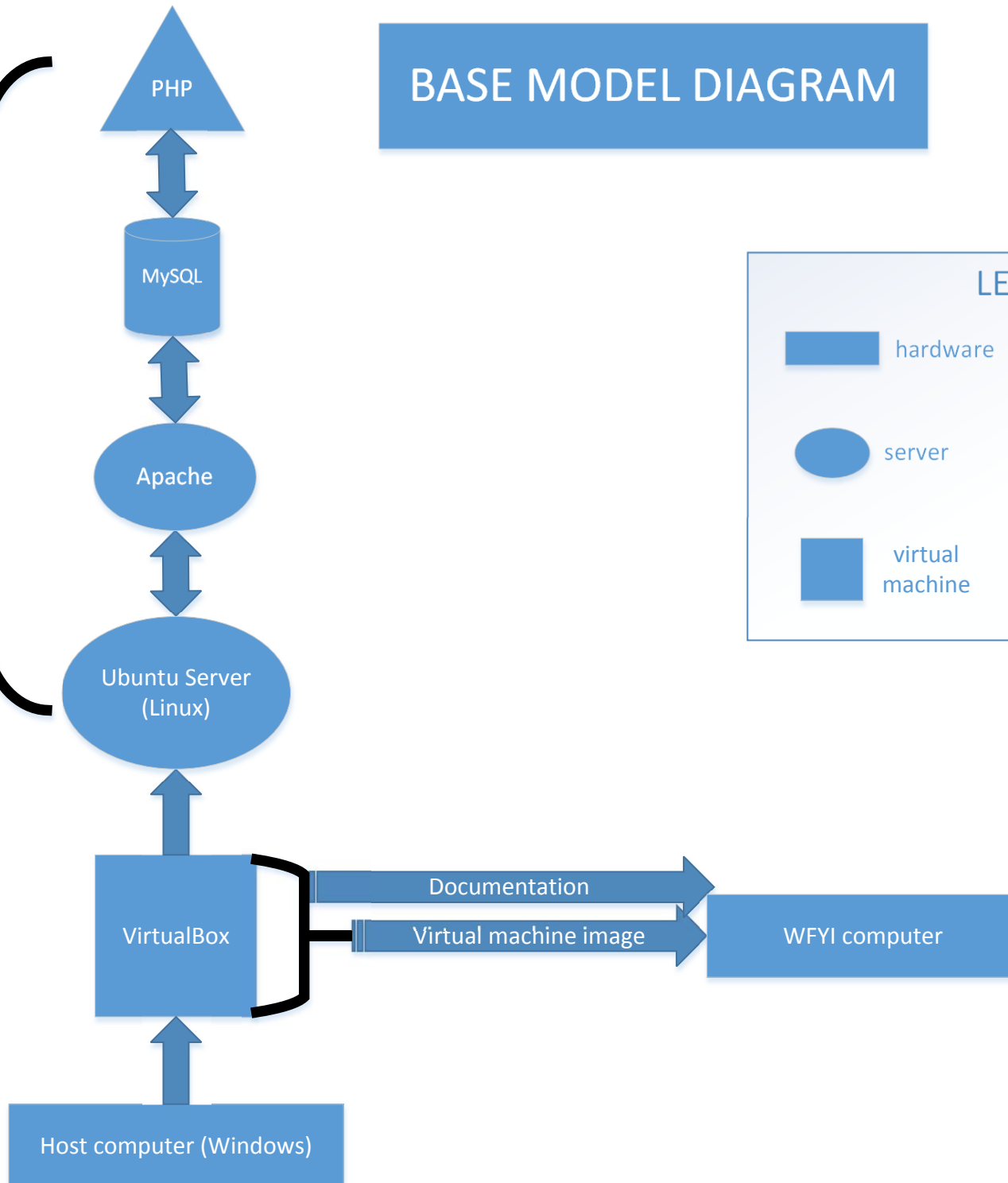
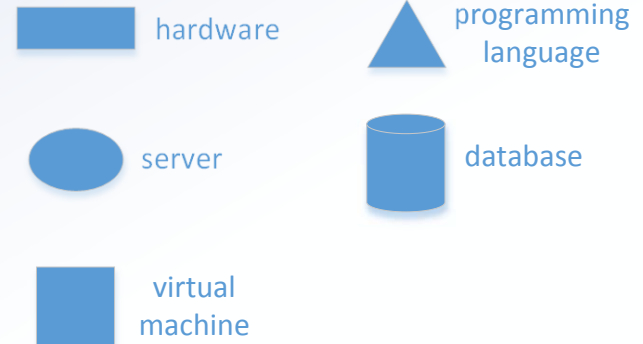


LAMP STACK



BASE MODEL DIAGRAM

LEGEND



BASE MODEL DIAGRAM DESCRIPTIONS

Host Computer: it is a lab computer in the Fairbanks building. The operating system is 64-bit windows. It will serve as the foundation of the virtual machine, the server, and other software that is installed.

VirtualBox: it is a virtual machine platform. It supports the creation and management of guest virtual machines running versions and derivations of Windows, Linux, and other operating systems. We've installed the VirtualBox on the host computer so that we could install Ubuntu Server without affecting the host OS.

Virtual Machine Image & Documentation/WFYI Computer: We sent Chris from WFYI a copy of the VM image for testing on his computer at his workplace. We sent it as a zipped file that contains the .ova extension, and then he will extract it as a .vdi and will be able to run it on a virtual machine. Documentation will also be included.

LAMP STACK- open source web platform commonly used to run dynamic web sites and servers. It includes Linux, Apache, MySQL, and PHP/Python/Perl and is considered by many the platform of choice for development and deployment of high performance web applications which require a solid and reliable foundation.

Linux Ubuntu Server: it is a server edition that uses the same APT repositories as the Ubuntu Desktop Edition, which is a Linux distribution. The website server will be running on Ubuntu Server and other third party software will be installed thru this server.

PHP: it is an open source general-purpose scripting language that is especially suited for web development. With a connected PHP installation, we can run a web server and view the PHP page through the server.

MySQL: is an open source database. MySQL is the most popular database system used with PHP. With it, we can connect to and manipulate databases.

Apache: is a web server software that will assist in maintain our server. We are installing several module packages that will help with functionality.