\*\*Notable bug on development platform build \*\*

The development platform was planned to be installed onto a Virtual Machine for both portability and easy of management. Using VMWare Workstation Pro 15 as the virtualization platform and the machine it was running on was a HP 8460p (i5 2nd gen Intel processor with 8 gb ram, and 250Gb SSD). The hosted operating system of choice was Ubuntu 18.04.1 LTS. Upon installation of the OS to the VM, issues arose around installing to the o/s with the hard drive format taking excessive amount of time to complete. Once completed updating the o/s using standard practice apt-get and apt-get update appeared to work, but after subsequent reboots the GUI side of Ubuntu reported issues with APT. Install of the rest of the “Apache’ MySQL’ & PHP. Did not bode well, especially MYSQL, where I suspect the current build of MySQL for Ubuntu had underlying issues, and would not run properly as a service. But for a short time, I had the server up and running despite the background bugs.

In an attempt to replicate the install on another computer, which was a i3-7th gen processor, using the same hardware specifications within the virtual machine and installing, I had no major issues installing the whole ubuntu & ‘AMP’ packages. Upon coping the VM from the desktop to the laptop, the working VM instance on the laptop did indeed boot up. Upon doing an apt-get update command the virtual machine again issued errors about the APT reposition being corrupted I suspect both hardware compatibility issue and underlying code issues in ubuntu for the problems encountered. At this point I decided to install Debian Linux onto the laptop as Debian releases are much longer apart and have a tendency to be noted as being more stable. In this case installing Debian shoed no errors and installation of the overall LAMP package went without a hitch. In the case of MySQL issues, I decided to use MariaDB as the original writers of MySQL (owned by oracle) went and made a drop-in replacement for MySQL, that being MariaDB, which is SQL compatible with all of MySQL commands. MariaDB installed without issue.