Your employer has requested that your create a template image for an Ubuntu Workstation, and then configure it to remotely connect to their headless (no desktop GUI installed) AdminServer and WebServer. Before working on your employers hardware, you decide to build and test scripts in your VirtualBox sandbox environment. This will allow you to build and test scripts that you can then roll out at a later time.

**Part 1:UbuntuWS**

Create an Ubuntu Workstation VirtualBox VM with a new clean install. On the virtual machine run a script that you write to do the following:

* + Configure and customize the splash screen and desktop backgroung
  + Install and configure PowerLine in your BASH terminal
  + Install and configure PowerLine in your VIM application
  + Install and configure firewalld so that you can remote connect to your headless AdminServer
  + Configure auto updates to run every Thursday at 1130 pm.

**Part 2: AdminServer (DNS, DHCP, and LDAP Server)**

**To start here we will need to get the install script onto the new headless vm. To do this, it is easiest to clone the github repository that I have setup. To start you will have to run “sudo dnf install git -y”. This will run through the install from github. After that you will have to clone the repository. To do this you will type the command “git clone** [**https://github.com/Easton683/Repo**](https://github.com/Easton683/Repo)**”. Then you will need to copy the file to your users folder using “cp rockyAdminServerSetup.sh /home/[USERNAMEHERE]”. After that you will just make it executable and run it.**

Create a headless RockyLinux VirtualBox VM with a new clean install. On that virtual machine run a script that you write to do the following:

* + Install and configure an DNS server (BIND Server)
  + Install and configure an DHCP server (https://www.techrepublic.com/article/configure-dhcp-server-rocky-linux/)
  + Install and configure an LDAP server (https://reintech.io/blog/installing-configuring-openldap-rocky-linux-9)
  + Install and configure firewalld
  + Configure auto updates to run every Tuesday at 1130 pm.

**Part 3: WebServer**

Create a new headless RockyLinux VirtualBox VM with a new clean install. On that virtual machine run a script that your write to do the following:

* + Install and configure an LAMP Stack
  + Install and configure WordPress with a boiler plate website
  + Install and configure firewalld
  + Configure auto updates to run every Wednesday at 1130 pm.