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Installing minikube & kubectl

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Ubuntu Minikube & kubectl

Before installing minikube I first switch into the root user by using **su – root.** After switching into the root user, I first had to install curl packages for future use by using the command **sudo apt-get install curl**. Curl is a command that allows for data to be transferred. Once curl was installed, I then used **sudo apt-get install apt-transport-https** this command allows me to get connected to the repositories using https.

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After installing the first two packages I then had to install a VirtualBox hypervisor. To do so I used the command **sudo apt install virtualbox virtualbox-ext-pack** once the installation was installed a small window will open asking you to accept the terms of the virtual box. Once you accept the terms the installation will be complete.

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Now that the VirtualBox hypervisor was installed I can install the minikube packages. The first command I used was **wget https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64** this command allowed me to download the lastest minikube bianary using the wget command.

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Next, I had to copy the downloaded minikube binary file and store it into **/usr/local/bin/minikube directory to do this I used the command sudo cp minikube-linux-amd64 /usr/local/bin/minikube After I had to give that same file executable rights by using the command sudo chmod 755 /usr/local/bin/minikube The 755 in this command means to read and execute and give access to everyone.**

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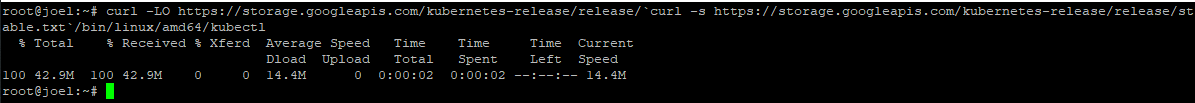
Final step I had to do was verify that minikube was successfully installed my using the command **minikube version** this will show me the version of minikube that was installed.

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After checking that minikube was installed I then was able to proceed and install Kubectl which is the official command line tool for Kubernetes. To do so I used the curl command which was **curl -LO https://storage.googleapis.com/kubernetes-release/release/`curl -s https://storage.googleapis.com/kubernetes-release/release/stable.txt`/bin/linux/amd64/kubectl**

this command allows for the Kubernetes command tool to be installed.



Now that the Kubernetes command tool was installed I then had to give the tool executable right by using the command **chmod +x ./kubectl .** Next, I had to move the executable file to the path of the kubectl package by using the command **sudo mv ./kubectl /usr/local/bin/kubectl**

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Now that I had moved the executable file to the right path I was able to use the command **kubectl version -o json** to see if the installation was successful.

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Work cited

<https://phoenixnap.com/kb/install-minikube-on-ubuntu>