**Minikube**

**Commands:**

docker --version

sudo apt update && sudo apt upgrade -y

sudo apt install -y curl wget apt-transport-https

curl -LO "<https://dl.k8s.io/release/$(curl> -Ls <https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl>"

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

rm kubectl

kubectl version --client

curl -LO <https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64>

sudo install minikube-linux-amd64 /usr/local/bin/minikube

rm minikube-linux-amd64

minikube version

sudo usermod -aG docker $USER && newgrp docker

docker ps

minikube start --driver=docker

minikube status

kubectl version --client

AWS cli - download & install

Visual Studio - Terraform plugins & AWS login plugins

T**o install VS code through package:**

**If you haven’t added the Microsoft repository yet, first run:**

1. sudo apt update
2. sudo apt install wget gpg -y
3. wget -qO- https://packages.microsoft.com/keys/microsoft.asc | gpg --dearmor | sudo tee /usr/share/keyrings/packages.microsoft.gpg > /dev/null
4. echo "deb [arch=amd64 signed-by=/usr/share/keyrings/packages.microsoft.gpg] https://packages.microsoft.com/repos/code stable main" | sudo tee /etc/apt/sources.list.d/vscode.list
5. sudo apt update
6. sudo apt install code -y

**You can check if the Microsoft repository is added in Ubuntu using the following command:**

cat /etc/apt/sources.list.d/vscode.list

**If the repository is present, it will display something like:**

deb [arch=amd64 signed-by=/usr/share/keyrings/packages.microsoft.gpg] https://packages.microsoft.com/repos/code stable main

**Install plugins extension:**

1. Open **VS Code**.
2. Click on the **Extensions** icon (Ctrl + Shift + X).
3. In the search bar, type:
4. **"AWS Toolkit"** for AWS authentication and login.
5. **"Terraform"** for Terraform support.
6. Click **Install** on the respective extensions.

**Or to Install :**

**AWS Toolkit:** code --install-extension AmazonWebServices.aws-toolkit-vscode

**Terraform:** code --install-extension hashicorp.terraform

AWS CLI install ANd Download:

### **Step 1: Download the AWS CLI Installer**

Run the following command to download the latest AWS CLI package:

curl "https://awscli.amazonaws.com/awscli-exe-linux-x86\_64.zip" -o "awscliv2.zip"

### **Step 2: Install Unzip (if not installed)**

sudo apt install unzip -y

### **Step 3: Unzip the AWS CLI Package**

unzip awscliv2.zip

### **Step 4: Install AWS CLI**

bash

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sudo ./aws/install

### **Step 5: Verify the Installation**

Check if AWS CLI is installed correctly.

aws --version

You should see output like:

aws-cli/2.x.x Python/3.x.x Linux/x86\_64

Now, you can configure AWS CLI using:

aws configure

To install Terraform on Ubuntu, follow these steps:

### **1. Update System Packages**

sudo apt update && sudo apt install -y gnupg software-properties-common

### **2. Add HashiCorp GPG Key**

wget -O- https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usr/share/keyrings/hashicorp-archive-keyring.gpg

### **3. Add HashiCorp Repository**

echo "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com $(lsb\_release -cs) main" | sudo tee /etc/apt/sources.list.d/hashicorp.list

### **4. Update Package List**

sudo apt update

### **5. Install Terraform**

sudo apt install -y terraform

### **6. Verify Installation**

terraform version