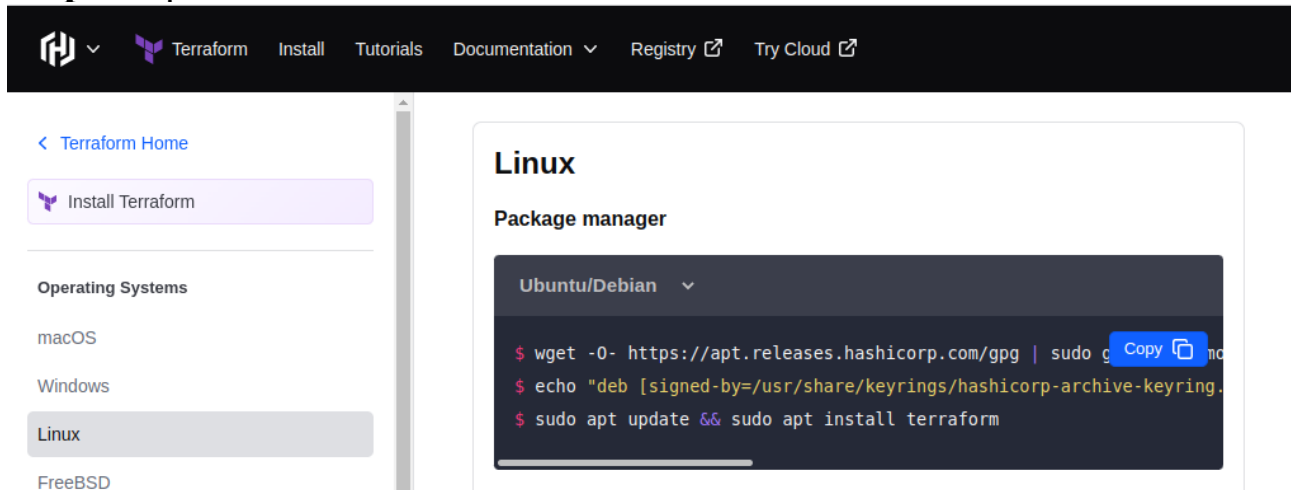


LAB-1

Install Terraform

Installing Terraform on linux requires you to download correct Terraform package, unpack, and execute it via CLI. Follow instructions below to ensure you do not miss any steps.

Step1: Open terraform site



Step2: Open terminal and execute the following commands

```
arnin_taliyan@device:~$ wget -O- https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usr/share/keyrings/hashicorp-archive-keyring.gpg
--2024-01-17 09:48:41-- https://apt.releases.hashicorp.com/gpg
Resolving apt.releases.hashicorp.com (apt.releases.hashicorp.com)... 2600:9000:245b:b800:18:566b:ecc0:93a1, 2600:9000:245b:e200:18:566b:ecc0:93a1, 2600:9000:245b:6c00:18:566b:ecc0:93a1, ...
Connecting to apt.releases.hashicorp.com (apt.releases.hashicorp.com)|2600:9000:245b:b800:18:566b:ecc0:93a1|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3980 (3.9K) [binary/octet-stream]
Saving to: 'STDOUT'

-
100%[=====] 3.89K --.-KB/s in 0.006s

2024-01-17 09:48:41 (680 KB/s) - written to stdout [3980/3980]

arnin_taliyan@device:~$ echo "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com $(lsb_release -cs) main" | sudo tee /etc/apt/sources.list.d/hashicorp.list
deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com jammy main
arnin_taliyan@device:~$ sudo apt update && sudo apt install terraform
Hit:1 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Ign:2 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/4.4 InRelease
Ign:3 https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:5 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Get:6 https://apt.releases.hashicorp.com jammy InRelease [12.9 kB]
Hit:7 https://download.docker.com/linux/ubuntu jammy InRelease
Hit:8 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/4.4 Release
Hit:9 https://dl.winehq.org/wine-builds/ubuntu jammy InRelease
Hit:10 http://packages.microsoft.com/repos/code stable InRelease
Ign:11 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:12 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:13 http://security.ubuntu.com/ubuntu jammy-security InRelease
Get:14 https://apt.releases.hashicorp.com jammy/main amd64 Packages [113 kB]
Get:16 https://apt.releases.hashicorp.com jammy/main i386 Packages [48.6 kB]
Hit:18 https://packages.microsoft.com/repos/vscode stable InRelease
Hit:19 https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 Release
Hit:20 https://packages.microsoft.com/repos/edge stable InRelease
Hit:21 https://ppa.launchpadcontent.net/lubomir-brindza/nautilus-typeahead/ubuntu jammy InRelease
Hit:23 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:24 https://deb.nodesource.com/node_20.x jammy InRelease
```

```

chrome:~$ sudo apt install terraform
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  terraform
0 upgraded, 1 newly installed, 0 to remove and 22 not upgraded.
Need to get 25.9 MB of archives.
After this operation, 81.0 MB of additional disk space will be used.
Get:1 https://apt.releases.hashicorp.com jammy/main amd64 terraform amd64 1.6.6-1 [25.9 MB]
Fetched 25.9 MB in 15s (1,726 kB/s)
Selecting previously unselected package terraform.
(Reading database ... 277939 files and directories currently installed.)
Preparing to unpack .../terraform_1.6.6-1_amd64.deb ...
Unpacking terraform (1.6.6-1) ...
Setting up terraform (1.6.6-1) ...

```

Step3: Add Terraform path in environment variable

```

if [ "${PS1-}" ]; then
  if [ "${BASH-}" ] && [ "$BASH" != "/bin/sh" ]; then
    # The file bash.bashrc already sets the default PS1.
    # PS1='\h:\w\$ '
    if [ -f /etc/bash.bashrc ]; then
      . /etc/bash.bashrc
    fi
  else
    if [ "$(id -u)" -eq 0 ]; then
      PS1='# '
    else
      PS1='$ '
    fi
  fi
fi

if [ -d /etc/profile.d ]; then
  for i in /etc/profile.d/*.sh; do
    if [ -r $i ]; then
      . $i
    fi
  done
  unset i
fi

JAVA_HOME="/usr/lib/jvm/java-17-openjdk-amd64"
export JAVA_HOME
export PATH=$PATH:$JAVA_HOME/bin

M2_HOME="/usr/share/maven"
export M2_HOME
export PATH=$PATH:$M2_HOME/bin

TERRAFORM="/usr/bin/terraform"
export TERRAFORM
export PATH=$PATH:$TERRAFORM/bin
"/etc/profile" 39L, 836B

```

Step 4: Verify Linux Terraform Installation

```
arnim_taliyan@device:~$ terraform -version
Terraform v1.6.6
on linux_amd64
arnim_taliyan@device:~$
```