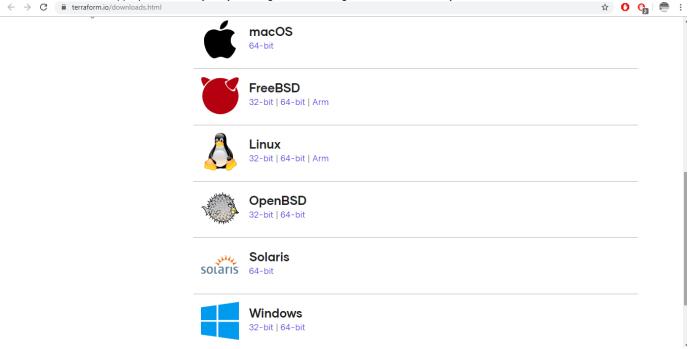# How to Terraform setup.

In this documentation, we are presenting the setup the Terraform installation in Ubuntu and windows.

Terraform installation in Ubuntu

- go to below url and you can find the download page https://www.terraform.io/downloads.html.
- then select the appropriate OS for you system, right now im using Linux, so click the any one and download.

- for linux, use below URL for downloading https://releases.hashicorp.com/terraform/0.12.16/terraform_0.12.16_linux_amd64.zip. in the ubuntu/centos.
- unzip the downloaded file in separate folder and add the PATH in the source profile, reload variable and try to check the version.

```
root@ip-172-31-35-91:/home/ubuntu# vi .profile
root@ip-172-31-35-91:/home/ubuntu# source .profile
root@ip-172-31-35-91:/home/ubuntu# terraform --version
Terraform v0.12.16
root@ip-172-31-35-91:/home/ubuntu# terraform -help
Usage: terraform [-version] [-help] <command> [args]

The available commands for execution are listed below.
The most common, useful commands are shown first, followed by
less common or more advanced commands. If you're just getting
started with Terraform, stick with the common commands. For the
other commands, please read the help and docs before usage.

Common commands:
    apply              Builds or changes infrastructure
    console            Interactive console for Terraform interpolations
    destroy            Destroy Terraform-managed infrastructure
    env                Workspace management
    fmt                Rewrites config files to canonical format
    get                Download and install modules for the configuration
    graph              Create a visual graph of Terraform resources
    import             Import existing infrastructure into Terraform
    init               Initialize a Terraform working directory
    output             Read an output from a state file
    plan               Generate and show an execution plan
    providers          Prints a tree of the providers used in the configuration
    refresh            Update local state file against real resources
    show               Inspect Terraform state or plan
    taint              Manually mark a resource for recreation
    untaint            Manually unmark a resource as tainted
    validate           Validates the Terraform files
    version            Prints the Terraform version
    workspace          Workspace management

All other commands:
    0.12upgrade        Rewrites pre-0.12 module source code for v0.12
    debug              Debug output management (experimental)
    force-unlock       Manually unlock the terraform state
    push               Obsolete command for Terraform Enterprise legacy (v1)
    state              Advanced state management
```


root@ip-172-31-35-91: /home/ubuntu

```
# ~/.profile: executed by the command interpreter for login shells.
# This file is not read by bash(1), if ~/.bash_profile or ~/.bash_login
# exists.
# see /usr/share/doc/bash/examples/startup-files for examples.
# the files are located in the bash-doc package.

# the default umask is set in /etc/profile; for setting the umask
# for ssh logins, install and configure the libpam-umask package.
#umask 022

# if running bash
if [ -n "$BASH_VERSION" ]; then
    # include .bashrc if it exists
    if [ -f "$HOME/.bashrc" ]; then
        . "$HOME/.bashrc"
    fi
fi

# set PATH so it includes user's private bin directories
PATH="$HOME/bin:$HOME/.local/bin:$PATH"

export PATH="$PATH:/home/ubuntu/terraform"
```

Terraform installation in Windows

- go to below url and you can find the download page https://www.terraform.io/downloads.html.
- then select the appropriate OS for you system, right now im using windows, so click the any one and download.
- for windows, use below URL for downloading https://releases.hashicorp.com/terraform/0.12.16/terraform_0.12.16_windows_amd64.zip. in the windows..
- unzip the downloaded file in separate folder and add the PATH in the systems path variable under environment variables, save it and try to check the version.