TERRAFORM INSTALLATION

• Developed by Hashicorp, terraform is a powerful open-source Infrastructure as Code (IaC) tool that facilitates infrastructure management and creation on-premises and in the cloud.

• **PREREQUISITES:**

- Operating System: Windows / Linux / MacOS
- Basic CLI knowledge



INSTALL TERRAFORM ON WINDOWS:

• Download the terraform Executable File (.exe) and select 32-bit or 64-bit according to your machine.

https://developer.hashicorp.com/terraform/install

- Extract the downloaded .zip folder containing the terraform executable file and copy the file.
- Create a new Terraform directory and paste the file, this directory can be anywhere on your machine. I would recommend pasting in "C:\Program Files (x86)\Terraform".
- Copy the path of the executable file, in my case it is "C:\Program Files (x86)\Terraform".

• Now, we need to set an environment variable that points to this path. Search environment in the windows search bar and select "Edit the system environment variables".



• Click on "Environment Variables...", select "**Path**" in the pop-up and click on "**Edit**".

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• Paste the copied path by clicking on New and then click OK.

• Done!! Now to check if it is installed open command prompt / Power shell

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• Run the command terraform --version



INSTALL TERRAFORM ON LINUX:

• Go to Package manager Location:

https://developer.hashicorp.com/terraform/install

INSTALLING TERRAFORM USING REPOSITORY:

\$sudo yum install -y yum-utils

\$sudo yum-config-manager --add-repo
https://rpm.releases.hashicorp.com/RHEL/hashicorp.repo

\$sudo yum -y install terraform

\$terraform --version

INSTALLING TERRAFORM USING ZIP FILE:

• Download the terraform Zip File by visiting here and select 32-bit or 64-bit according to your machine.

https://developer.hashicorp.com/terraform/install

- Unzip the folder using the command **\$unzip zipfile_name**
- Move the extracted terraform file to /usr/local/bin/
 \$sudo mv terraformfile /usr/local/bin/
- Confirm the terraform has been installed: **\$terraform -v**

INSTALL VISUAL STUDIO CODE:

- There are many text editors in the market, we recommended Visual Studio Code for this as it is a very **powerful text editor** and supports all platforms.
- Download and Install Visual Studio Code in your Windows. https://code.visualstudio.com/Download
- Once you have downloaded the visual studio code, open it and go to the extension and search for Terraform and Install it.



- A new view in the HashiCorp Terraform extension for Visual Studio Code shows your Terraform Cloud workspaces and runs, reducing context-switching.
- HashiCorp maintains a Terraform extension for Visual Studio Code in order to ensure that practitioners have a first-class editor experience.