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Terraform

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Terraform is developed by a company called Hashicorp.

HCL - Hashicorp configuration language

Terraform is a opensource software

Terraform is used to crated/provision the infrastructure

Terraform is a IAC software (infrastructure as code)

It supports all the cloud service platform

Terraform will use HCL language to provision the infrastructure

Terraform support multiple O/s

VS Code IDE needs to be installed in your machine to run the terraform script in your machine

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Terraform Vs Cloud Formation

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=> Cloud Formation is used to create infrastructure only in Aws cloud

=> Terraform supports all cloud platforms available in the market.

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Terraform installation in windows

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Step-1 : Download terraform for windows & extract zip file

Note: We can see terraform.exe file

Put this exe file into a folder in our machine

Step-2 : Set path for terraform s/w in System environment variables

Step-3 : Verify terraform setup using cmd

$ terraform -v

Step-4 : Download and install VS CODE IDE to write terraform scripts

URL : https://code.visualstudio.com/download

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Terraform architecture

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