Repo Link : [git@github.com:aarti-ashok/KT\_Docs.git](mailto:git@github.com:aarti-ashok/KT_Docs.git)

Installing Terraform in Windows : <https://phoenixnap.com/kb/how-to-install-terraform>

Installing aws cli : Open powershell as admin and run below command

msiexec.exe /i <https://awscli.amazonaws.com/AWSCLIV2.msi>

Go to the terraform folder

Aws configure , provide the secret key and access key

Have gitbash and Visual studio code installed, have a free tier aws account for basic practice

CIDR Calculator for NW calculation (Good to Know)

* <https://www.vultr.com/resources/subnet-calculator/>
* <https://cidr.xyz/>

Terraform Official Documentation:

* <https://registry.terraform.io/browse/providers>
* https://registry.terraform.io/providers/hashicorp/aws/latest/docs

**Basic Commands**

*Initialize*

terraform init

*preview terraform actions*

terraform plan

*destroy a single resource*

terraform destroy -target aws\_vpc.demo-vpc

*destroy everything from tf files*

terraform destroy

*show resources and components from current state*

terraform state list

*show current state of a specific resource/data*

terraform state show aws\_vpc.demo-vpc