**Prerequisites**

* Install terraform on windows
* Integrate terraform with aws
* Create user for terraform and accesskey to connect terraform with aws
* Create cluster, vpc,subnet, IP and relevant resources related to cluster are created through terraform.

Terraform files

* eks-cluster.tf
* variables.tf
* versions.tf
* vpc.tf
* security-groups.tf
* outputs.tf

Once prepared terraform files

Perform terraform init

This will initialize the terraform environment for you and download the modules, providers and other configuration required.

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* Aws configure with terraform accesskey

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Terraform plan

Run `terraform plan` to see the configuration it creates when executed.

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Terraform apply

Finally apply terraformapply to see the cluster and dependence resources created in AWS

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Output like the cluster created in aws in the region us-west-1 along with the dependencies resources.

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