Use case on CI-CD Pipeline in Azure DevOps Using Terraform

Source code is available in this git hub.

https://github.com/Sampadsidhi/Terraform-CI-CD-using-azure-devops/tree/main

Pipeline Creation

By Placing the code in the Repository, We create the pipeline with the tasks mentioned below

New Pipeline 🡪 Hit “ Use the Classic Editor ” 🡪 Select the repository where code is available 🡪 Hit “Empty Job” 🡪 Pipeline with empty job gets created.

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Build Pipeline  
  
In Build Pipeline 4 tasks needs to get added

* Installing Terraform
* Initialize
* Plan
* Validate & Apply

1. Installing Terraform

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2.Plan

Graphical user interface, application

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* “Configuration directory”: Select the folder from repo where terraform Source code is available
* “Resource Group” : Simply add any string
* “Storage Account” : Simply add any string
* “Container” : Simply add any string
* “Key” : name.tfstate, here name can be any string

1. Validate & Apply

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Here in Arguments “ –auto-approve” is to be placed

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* Before you Queue the pipeline, you need to enter Resource Group Name and Storage Account Name, which you want to create in Azure Portal.

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When you Queue, Resource Group and Storage Account gets created.

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Similarly in storage account also Storage Account gets created.