



Terraform



Agenda

1. Terraform Introduction
2. Terraform Commands
3. Terraform demo



Introduction

1. Terraform is Open source infrastructure as code software tool created by HashiGroup.
2. Infrastructure as a code is the process of managing and provisioning computer data centers through machine readable definition files.
3. Good integration with different cloud providers.



IAC - Terraform

1. Why to use Terraform
2. Terraform follows the declarative approach.
3. Declarative programming is a programming paradigm that expresses the logic of a computation without describing its control flow.



Note

1. Terraform [Install](#)
2. Required service account with proper permissions to create instances.
3. Variables.tf can be used to pass variables.



Commands

1. Terraform init -> Install the install required packages
2. Terraform plan -> Creates the execution plan
3. Terraform apply -> It executes the actions proposed in terraform plan
4. Terraform destroy -> Destroy the instances.
5. State -> Terraform store metadata about your managed infrastructure and configuration



Thank You