

Date:

Intrastructure As A Code

is a modern approach to managing à provisioning infrastructure resources using co de a gutomation

How IAC WOOK

Two approach

i) imperative (ii) Declarative

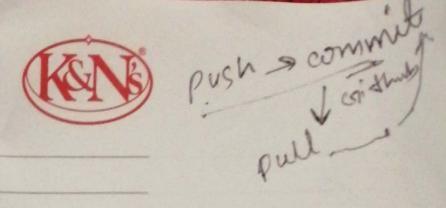
* Specify step by *Specify the final desired

step process of how state without specify steps.

to achieve final state. * System determine how a get Dest.

Benefit:

* VC & Collaboration * Speed & ephiciency * cost Saving * Reliability * Security



Date:

leraform

* IAC tool to automate infrastructure tasks, cloud resources provisioning.

+ It is open - Source

* Written in G10 language

* use declarative approach

teatures:

* IAC

allow you to define infrastructure configuration using code.

* Declarative

* State Managment
maintain state file that record current state
of infrastructure.

* Parallelism & Efficiency
provision & update resource parallal



Date:

How Terraform Work

These file are written in special long & have entension tf ottojson. These file describe resources you need (server, storage, network).

2) it will translate them into API calls to cloud provider (AWS, Azwa). These API tell the provider to create resource that define in config file.

State fike to track them resources created

