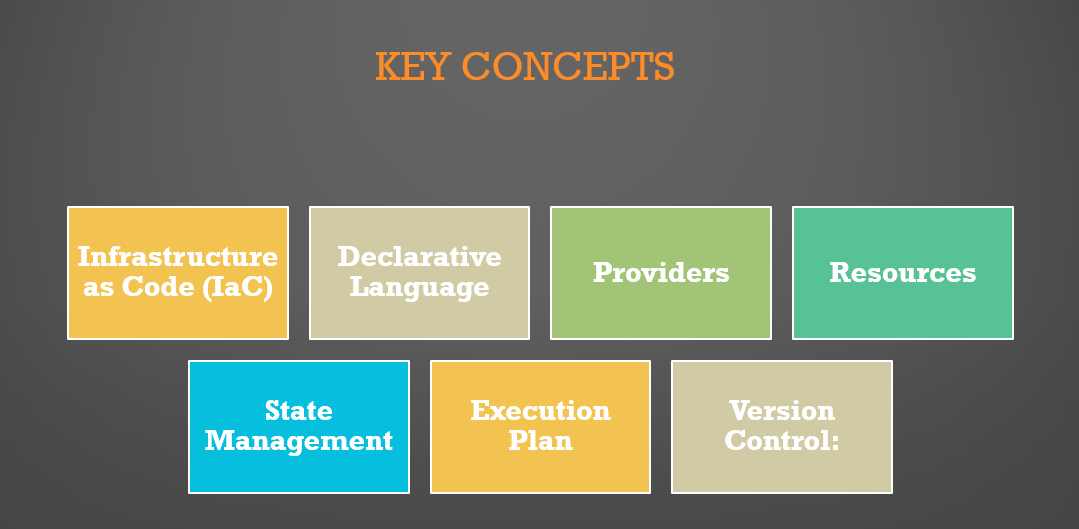
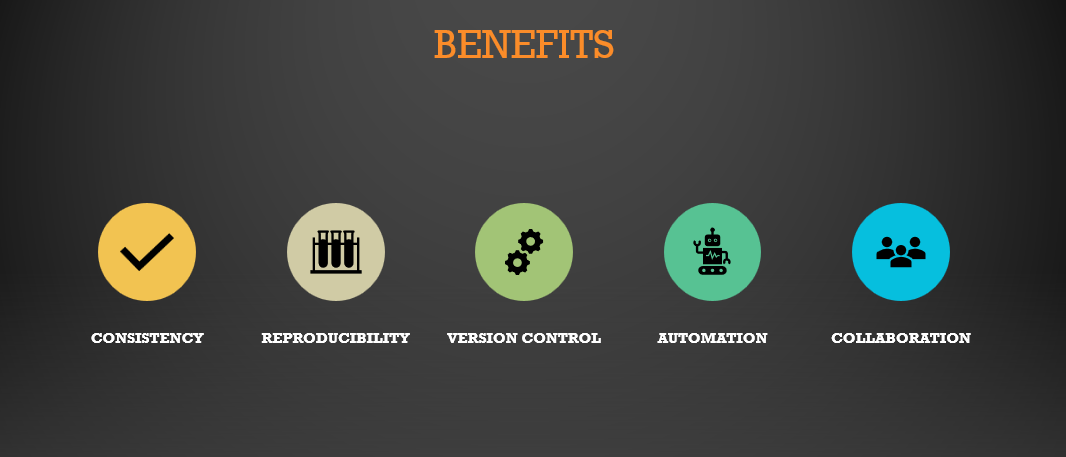
**About Terraform :**

* Terraform is an open-source infrastructure as code (IaC) tool developed by HashiCorp.
* It enables you to define and manage your infrastructure in a declarative and version-controlled manner.
* With Terraform, you can define the desired state of your infrastructure as code, and terraform will automatically create, update, and manage resources to match that state.







**Terraform Setup**

1.Download the Terraform binary:

wget <https://releases.hashicorp.com/terraform/1.4.6/terraform_1.4.6_linux_amd64.zip>

2. Install the unzip utility:

sudo apt-get install unzip

3. Unzip the Terraform binary:

unzip terraform\_1.4.6\_linux\_amd64.zip

4. Copy Terraform to a directory in your system's PATH:

sudo cp terraform /usr/bin/

5. Verify the installation:

terraform -v

6. (Optional) If you need to uninstall Terraform:

apt-get remove terraform -y

**Initialize and Use Terraform**

1.Navigate to your Terraform configuration directory.

2.Initialize the working directory:

terraform init

3. Apply the Terraform configuration:

terraform apply

4. (Optional) Destroy the created resources:

terraform destroy

**Interact with Commercetools**

* To run the commercetools poc using terraform you must havecommercetools account and you can opt 60 days free trial account.
* You may refer below link for commercetools provider

<https://github.com/labd/terraform-provider-commercetools>

1. Set the following environment variables using the appropriate values:

export TF\_VAR\_project\_key="your\_project\_key"

export TF\_VAR\_client\_id="your\_client\_id"

export TF\_VAR\_client\_secret="your\_client\_secret"

export TF\_VAR\_api\_url="https://api.europe-west1.gcp.commercetools.com"

1. Create main.tf where you can put commercetools provider for working into commercetools stuff such as

**terraform {**

**required\_providers {**

**commercetools = {**

**source = "labd/commercetools"**

**#source = "registry.terraform.io/labd/commercetools"**

**}**

**}**

**}**

1. Get an access token:

curl <token\_url>\

--basic --user "<client\_id:client\_secret " \

-X POST -d "grant\_type=client\_credentials&scope=<scope> "

4. You may set the CTP\_DEBUG environment variable:

export CTP\_DEBUG=1

5.You may create resource.tf file where you can write code to create the resource in commercetools using terraform

Example,

**resource "commercetools\_product\_type" "my-product-type" {**

**key = "composable\_asset\_type"**

**name = "Composable Asset Type"**

**description = "Composable Asset Type"**

**}**

5.After that run below commands to implement the above resource in commercetools:

* terraform init
* terraform plan
* terraform apply

6.Once terraform apply step is successful , you may confirm it by viewing it in commercetools site whose credentials you have used while creating the resources

7.List all the resources that you created using terraform

terraform state list

8. You may delete the desired resources rather than all by using below command

terraform destroy -target RESOURCE\_TYPE.NAME

Example, terraform destroy commercetools\_product\_type. my-product-type

9.You can make the changes to your resources using terraform and track it by using mentioned command:

terraform state show <resource\_name>

Example, terraform state show commercetools\_product\_type. my-product-type