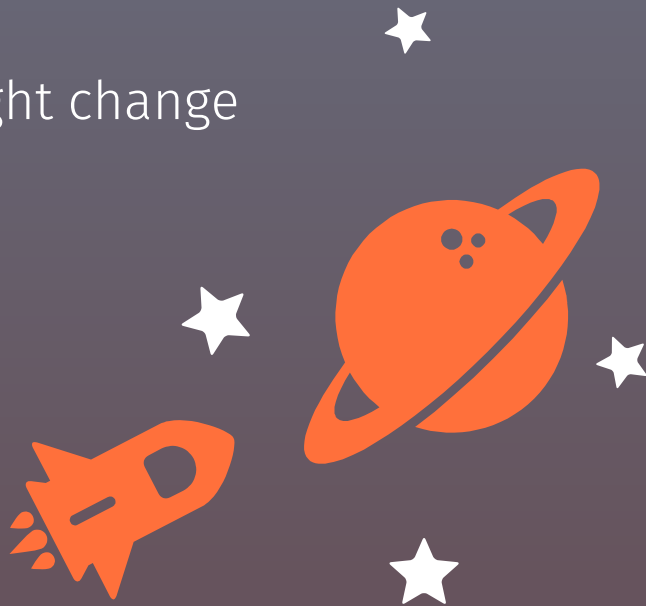




What are we going to see in this session?

- Use variables
- Use variables for elements that might change
- Pass variables from command line
- Pass multiple variable files





Use variables

Keeping things in single file is not going to help for big infrastructure Lets split our terraform files into chunks.

- ✓ provider.tf : Holds your service provider information's
- ✓ main.tf : Holds the resource information's
- ✓ vars.tf : Holds your variables

Code : [git-repo](#) [file path : [Terraform/Codes/E2_with-vars](#)]

Disadvantage with this approach :

- ✓ When you are uploading files to git [vars.tf] will also going to be part of it which eventually going to expose your credentials here.
- ✓ We will see avoid such thing in credential manage section.



Use variables for elements that might change

At some point you may need to work with elements that changes.

- For example, you may need to deploy instance in multiple regions.
- Let's assume RHEL instance need to be deployed in Mumbai & North-california
- Challenge here is RHEL image id (AMI ID) is different for each site.
- We might need to modify our terraform file accordingly.
- We might need to modify 2 files here.
 - ✓ vars.tf
 - ✓ main.tf

Code : [git-repo](#) [file path : [Terraform/Codes/E3_Lookup](#)]



Pass variable from command line

Let's see how to pass the variables from command line. The file structure remain same, but variables are provided from command line.

- ✓ provider.tf
- ✓ main.tf
- ✓ vars.tf

Code : [git-repo](#) [file path : [Terraform/Codes/E4_cmd_line_input](#)]

You can just pass your variables in command line like below :

- ✓ terraform apply -var 'AWS_REGION=us-east-2'



Pass multiple variable files

Let's say you have multiple environment's, and you want manage your variables in different files in such case you can follow this methodology.

- ✓ provider.tf
- ✓ main.tf

You can keep variable according to your environment and pass it over from command line.

- ✓ terraform apply -var-file="staging.tfvars" -var-file="production.tfvars"



End of this topic !

Any questions?

TERRAFORM