**Terraform Imports**

Bringing all the created resources (manually) to include in the terraform IaC code

Pre-requisites for Terraform import 🡪 we need to declare the configuration in the main.tf file

* **Terraform Import** is a command within the Terraform ecosystem that brings existing cloud resources under Terraform’s management.

**Import Old resources**

**Resources created outside terraform**

**Loss of terraform state file**

**Cautious Import process:**

Always be careful during the import process because if the state file does not match the imported resource, then we might lose the resource.

**Example scenario:**

What if I have created the resource manually with the app settings and configuration changes, If I import using a configuration file that is created and If I wanted to make further changes like adding tags will this delete my app settings and configuration changes.

**The Answer is NO**

**Because once import is executed it will capture all the information and stores in the terraform state file. So in the next run when we make any change and execute terraform plan and apply we need to review and apply it.**

**Terraform Formatting**

Command: Terraform fmt

To ensure consistent and standardized formatting of the terraform code

Readibility / Version control / Consistency

Scans the directory for configuration files and then formats the tf files

* **Command-Line Flags**:
  + -list=false: Prevents listing files containing formatting inconsistencies.
  + -write=false: Avoids overwriting the input files (implied by -check or when reading from STDIN).
  + -diff: Displays diffs of formatting changes.
  + -check: Checks if the input is properly formatted. The exit status will be 0 if all input is correctly formatted.

Terraform fmt -recursive 🡪 recursive modification of all tf files inside directory/sub-directory

**Terraform Consoles**

Terraform syntax validation

Fetch the details declared in the variables tf files

Playground for analysing and designing the code