Terraform Cheat Sheet

- **terraform init**

initializes various local settings and data that will be used by subsequent commands. Executed in the working directory where config files are stored.

  - **terraform fmt**

  to maintain standard format for easy readability and consistency.

  - **terraform validate**

  to validate syntax errors if any.

  - **terraform apply**

  to apply configuration files to actual infrastructure

  - **terraform destroy**

  to destroy all resources written in configuration file. Terraform will destroy them in a suitable order to respect dependencies.

  - **terraform refresh**

  to refresh the state file and update it according to the current infrastructure. It does not update the infrastructure but updates state file.

  - **terraform taint resource.id**

  manually mark a resource as tainted in state file. Ex. terraform taint aws_instance.terra-instance

  Use terraform apply -replace instead

  - **terraform import [options]**

  <ADDR-where-source-needs-to-be-imported> <existing-resource-id>
   - terraform import aws_instance.foo i-abcd1234

  Import existing infrastructure into your Terraform state. This will find and import the specified resource into your Terraform state, allowing existing infrastructure to come under Terraform management without having to be initially created by Terraform.

  - **terraform console [options] [dir]**

   interactive command-line console for evaluating and experimenting with expressions. This is useful for testing interpolations before using them in configurations, and for interacting with any values currently saved in state.

- **terraform show**

to inspect current state (stored in terraform.tfstate file). shows the entire state configuration.

- **terraform state**

for advanced state management using resource addresses and IDs (can be found using "terraform state list" command). Needs sub commands to be executed.

- **terraform state list**

list of all resources (only names) in the state

- **terraform state show <resource-name-from-the-list>**

shows the configuration of a particular resource in the state

- **terraform show <list-file-name>**

display all resources and attributes in the list file