



# : \Terraform Commands Cheatsheet..

: \..... \..... \..... \.....

## Category

## Command

## Description

### Setup & Init

Terraform init

Initializes the directory for Terraform, downloading providers/modules.

terraform version  
terraform  
--version

Displays the installed Terraform version.

### Validate & Plan

Terraform validate

Validates the Terraform files for syntax errors.

Terraform fmt

Automatically formats the Terraform configuration files.

Terraform plan

Creates and shows an execution plan of the changes Terraform will make.

Terraform plan  
-out=plan.out

Saves the generated execution plan to a file.



Category	Command	Description
Apply & Deploy	<code>Terraform apply</code>	Applies the changes to the infrastructure based on the plan.
	<code>Terraform apply plan.out</code>	Applies the previously saved execution plan from a file.
-----		
Show & Inspect	<code>Terraform show</code>	Shows the current state or the details of a saved plan file.
	<code>Terraform state list</code>	Lists all resources tracked in the current Terraform state file.
	<code>Terraform state show &lt;resource&gt;</code>	Shows details of a specific resource in the state file.
-----		
State Management	<code>Terraform state mv &lt;resource&gt; &lt;new_name&gt;</code>	Moves resources to a new name in the state file.
	<code>Terraform state pull</code>	Pulls the current state from the backend and outputs it in JSON format.
-----		
Resource Management	<code>Terraform import &lt;resource&gt; &lt;id&gt;</code>	Imports an existing AWS instance into Terraform's state file.
	<code>Terraform taint &lt;resource&gt;</code>	Marks a resource for recreation in the next apply operation.
	<code>Terraform untaint &lt;resource&gt;</code>	Removes the taint from a resource, preventing it from being recreated.



Category	Command	Description
Destroy Resources	<code>Terraform destroy</code>	Destroys all the resources managed by Terraform in the current configuration.
	<code>Terraform destroy -target=&lt;resource&gt;</code>	Destroys only the specified resource from the infrastructure.
-----		
Workspaces	<code>Terraform workspace new &lt;name&gt;</code>	Creates a new workspace called dev.
	<code>terraform workspace select &lt;name&gt;</code>	Switches to an existing workspace called dev.
	<code>Terraform workspace list</code>	Lists all the workspaces in the current directory.
	<code>Terraform workspace delete &lt;name&gt;</code>	Deletes the workspace dev.
-----		
Variables	<code>Terraform apply -var="name=value"</code>	Applies configuration with a specified variable value.
	<code>Terraform plan -var-file=&lt;file&gt;</code>	Generates an execution plan using variables from a specific file.
-----		
Debugging	<code>TF_LOG=DEBUG terraform apply</code>	Enables debugging logs to troubleshoot during the apply process.



Category	Command	Description
Locking State	Terraform force-unlock <lock-id>	Unlocks a locked state manually using the lock ID.

```
:\\  
.  
...  
.  
.  
.  
./  
\  
..  
./\\  
.....
```