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Terraform Cheat Sheet



Installation

See https://developer.hashicorp.com/terraform/downloads for installation instructions for your platform. Then run terraform -install-autocomplete to enable shell autocompletion.

Initializing Terraform	
Command	Description
terraform init	Prepare your working directory for other commands
terraform init -upgrade	Upgrade all modules to their latest versions
terraform get	Only download and install modules

Making infrastructure changes		
Command	Description	
terraform plan	Show changes required by the current configuration	
terraform plan -out= <file></file>	Write the plan to a file to apply it later	
terraform plan -target <resource></resource>	Create a plan for a specific module or resource	
terraform plan -replace <resource></resource>	Force the plan to replace a specific resource	
terraform plan -var ' <key>=<value>'</value></key>	Set a value for one of the input variables	
terraform plan -refresh-only	Inspect resource drift without updating the state file	
terraform apply	Create or update infrastructure	
terraform apply <file></file>	Create or update infrastructure using a plan file	
terraform apply -target <resource></resource>	Create or update a specific resource	
terraform apply -replace <resource></resource>	Force the replacement of a specific resource	
terraform apply -auto-approve	Skip interactive approval of plan before applying	

Inspecting output values		
Command	Description	
terraform output	Show all output values	
terraform output -json	Show all output values in JSON format	
terraform output <name></name>	Show a specific output value	
terraform output -raw <name></name>	Show a specific output value without quotes	

Managing state	
Command	Description
terraform refresh	Update the state to match remote systems
terraform show	Show the current state
terraform show <file></file>	Show a saved plan
terraform show -json <file></file>	Show the plan in JSON format
terraform state list	List all resources in the state file
terraform state show <resource></resource>	Show details about a resource
terraform state mv <source/> <dest></dest>	Rename a resource in the state file
terraform state rm <resource></resource>	Remove a resource from the state file
terraform state replace-provider <from> <to></to></from>	Replace provider for resources in the state
terraform import <resource> <remote_id></remote_id></resource>	Import existing infrastructure into Terraform
terraform state pull	Pull current state and output to stdout

Tainting resources		
Command	Description	
terraform taint <resource></resource>	(Deprecated) Mark a resource to be replaced	
terraform untaint <resource></resource>	Mark a resource as no longer tainted	

Destroying infrastructure	
Command	Description
terraform destroy	Destroy infrastructure managed by Terraform
terraform destroy -target <resource></resource>	Destroy a specific resource

Formatting and validation		
Command	Description	
terraform validate	Check whether the configuration is valid	
terraform fmt	Reformat your configuration in the standard style	
terraform fmt -check	Check whether the configuration is formatted correctly, return non-zero exit code if not	

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