

Deploy Infrastructure with Terraform



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Terraform Workflow

Write

- Author the code

Plan

- Compare code against state

Apply

- Apply changes and record results



terraform init

Prepare configuration for use

Find required provider plug-ins

Configure state backend

- Uses working directory by default

Rerun when state backend, providers, or modules change



terraform plan

Loads configuration from working directory

Loads state data into memory

Compares configuration and state

Creates an execution plan

- Save with `-out` option



Terraform Plan Symbols



Resource or attribute will be created



Resource or attribute will be destroyed



Resource or attribute will be modified in place



Resource or attribute will be recreated



terraform apply

Accepts a saved plan file

Executes changes from plan

Updates state data contents

Generates a plan if none submitted



terraform destroy

Destroys all resources from state

Use with caution!

Alias for terraform apply -destroy

Create plan with terraform plan -destroy

