

- deployment without being prompted for "yes"
- terraform plan -out plan.out
 Output the deployment plan to plan.out
- 4. **terraform apply plan.out** Use the plan.out plan file to deploy infrastructure
- 5. terraform plan -destroy Outputs a destroy plan
- 6. terraform apply -target=aws_instance.my_ec2
 Only apply/deploy changes to the targeted resource
- 7. terraform apply -var my_region_variable=us-east-1 Pass a variable via command-line while applying a configuration
- terraform apply -lock=true Lock the state file so it can't be modified by any other Terraform apply or modification action (possible only where backend allows locking)
- terraform apply refresh=false Do not reconcile state file with real-world resources(helpful with large complex deployments for saving deployment time)
- terraform apply --parallelism=5 Number of simultaneous resource operations
- terraform refresh Reconcile the state in Terraform state file with real-world resources
- 12. **terraform providers** Get information about providers used in current configuration

Terraform Workspaces

- terraform workspace new mynewworkspace
 Create a new workspace
- 2. terraform workspace select default

Change to the colored workeness

Terraform CLI tricks

 terraform -install-autocomplete Setup tab auto-completion, requires logging back in

Format and validate Terraform code

- terraform fmt Format code per HCL canonical standard
- 2. terraform validate Validate code for syntax
- 3. **terraform validate -backend=false**Validate code skip backend validation

Initialize your Terraform working directory

- terraform init Initialize directory, pull down providers
- terraform init -get-plugins=false
 Initialize directory, do not download plugins
- terraform init -verify-plugins=false
 Initialize directory, do not verify plugins for Hashicorp signature

Terraform miscellaneous commands

- terraform version Display Terraform binary version, also warns if version is old
- 2. terraform get -update=true Download and

1 of 2 5/12/23, 09:51

Change to the selected workspace

3. **terraform workspace list** List out all workspaces

Terraform state manipulation

- terraform state show aws_instance.my_ec2
 Show details stored in Terraform state for the resource
- 2. terraform state pull > terraform.tfstate
 Download and output terraform state to a file
- 3. terraform state mv aws_iam_role.my_ssm_ role module.custom_module Move a resource tracked via state to different module
- 4. terraform state replace-provider hashicorp/ aws registry.custom.com/aws
 Replace existing provider with another
- terraform state list List all the resources tracked in the current state file
- 6. terraform state rm aws_instance.myinstace Unmanage a resource, delete it from Terraform state file

Terraform Import and Outputs

- terraform import aws_instance.new_ec2_instance i-abcd1234 Import EC2 instance with id i-abcd1234 into the Terraform resource named "new_ec2_instance" of type "aws_instance"
- 2.terraform import 'aws_instance.new_ec2_instance[0]' i-abcd1234 Same as above, imports a real-world resource into an instance of Terraform resource
- 3. terraform output List all outputs as stated in code
- 4. **terraform output instance_public_ip**List a specific declared output
- terraform output -json List all outputs in JSON format

upuate mouules in the Tool mouule

<u>Terraform Console (Test out Terraform interpolations)</u>

- echo 'join(",",["foo","bar"])' | terraform
 console Echo an expression into terraform console and see its expected result as output
- 2. echo '1 + 5' | terraform console Terraform console also has an interactive CLI just enter "terraform console"
- 3. echo "aws_instance.my_ec2.public_ip" |
 terraform console Display the Public IP against
 the "my_ec2" Terraform resource as seen in the
 Terraform state file

Terraform Graph (dependency graphing)

 terraform graph | dot -Tpng > graph.png
 Produce a PNG diagram showing relationship and dependencies between Terraform resources in your configuration/code

Terraform Taint/Untaint

- terraform taint aws_instance.my_ec2
 Taint resource to be recreated on next apply
- 2. **terraform untaint aws_instance.my_ec2**Remove taint from a resource
- terraform force-unlock LOCK_ID
 Force-unlock a locked state file, LOCK_ID
 provided when locking the State file beforehand

Terraform Cloud

- terraform login Obtain and save API token for Terraform cloud
- 2. **terraform logout** Log out of Terraform Cloud, defaults to hostname app.terraform.io

2 of 2 5/12/23, 09:51