TERRAFORM CHEAT SHEET

ALTA3 RESEARCH

general — Essential

- Return terraform version
  `terraform version`
- Download and update root modules
  `terraform get –update=true`
- Open up a terraform interactive terminal
  `terraform console`
- Interact with terraform cloud
  `terraform [login|logout]`
- Check formatting
  `terraform fmt`
- Verify a configuration
  `terraform validate`

initialize — Getting started

- Initialize terraform in the current working dir
  `terraform init`
- Force plugin installation from a dir
  `terraform init –plugin-dir=PATH`
- Skip plugin installation
  `terraform init –get-plugins=false`
- Upgrade plugins and modules at init
  `terraform init –upgrade`
- Skip backend configuration
  `terraform init –backend=false`
- Update backend configuration
  `terraform init –migrate-state –force-copy`
- Skip plugin installation
  `terraform init –get-plugins=false`

plan — Preview changes

- Show the plan
  `terraform plan`
- Create a plan file for reference during apply
  `terraform plan –out current.tfplan`
- Show how a destroy command will effect the build
  `terraform plan –destroy`
- Target a specific resource for deployment
  `terraform plan –target=RESOURCE`

apply — Make changes

- Execute the plan created by the Terraform code
  `terraform apply`
- Execute a previously generated plan
  `terraform apply current.tfplan`
- Execute with auto-approval (useful for automation)
  `terraform apply –auto-approve`

outputs — Display values

- Display any available outputs
  `terraform output`
- Show only a specific value
  `terraform output VALUE`
- Display output in JSON format
  `terraform output –json`

destroy — Remove resources

- Remove the plan created by the Terraform code
  `terraform destroy`
- Remove with auto-approval (useful for automation)
  `terraform destroy –auto-approve`

workspaces — Work isolation

- Create a workspace
  `terraform workspace new myspace`
- Select from workspaces
  `terraform workspace select default`
- List all available workspaces
  `terraform workspace list`

manage — Observe

- Show all resources
  `terraform state list`
- Show details about a resource
  `terraform state show RESOURCE`
- Save current state to a local file
  `terraform state pull > terraform.tfstate`
- Show a dependency relationship (PNG)
  `terraform graph | dot –Tpng > my_graph.png`