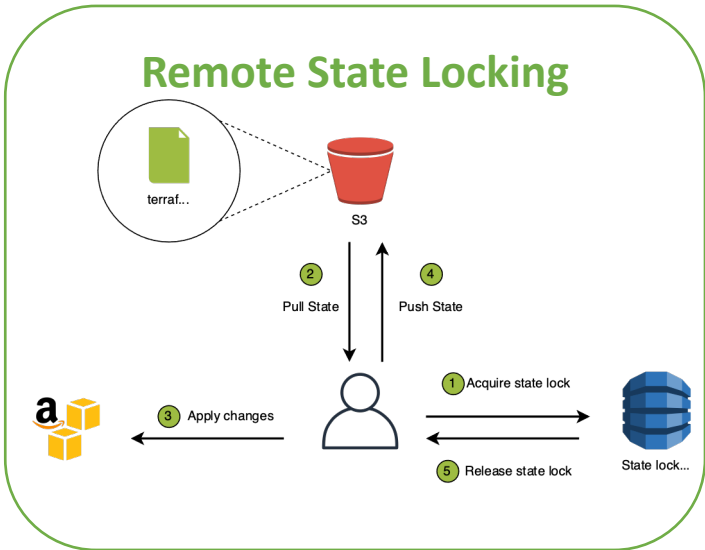


# Terraform Workshop Cheatsheet

COMMANDS	
terraform init	Initialize working directory
terraform plan	Perform refresh and make execution plan
terraform apply	Apply execution plan
terraform destroy	Destroy managed resources in the current state
terraform import <resource>	Connect a existing resource to and existing configuration
terraform workspace new <name>	Creates a new workspace
terraform workspace select <name>	Switches current workspace

Terraform language examples	
Provider	<pre>provider "aws" {   region = "eu-central-1" }</pre>
Resource	<pre>resource "aws_instance" "name" { }</pre>
Data	<pre>data "aws_instance" "name" { }</pre>
Variables	<pre>variable "variable_name" {   type = list(string) }</pre>
Modules	<pre>module „name“{   source = "source path"   attribute = var.variable_name }</pre>
Output	<pre>output "output_name" {   value = aws_instance.name.attribute }</pre>
Loops	<pre>for_each = toset(var.names) Tags = {   Name = each.value }</pre>
Lists	<pre>[ „a“, „b“, „c“ ]</pre>
Functions	<pre>toset([1,2,1]) == [1,2] min([13,5,20]) == 5 ...</pre>
S3 backend	<pre>terraform {   backend "s3" {     bucket = "bucket_name"     key = "path/to/file"     region = "eu-central-1"     dynamodb_table = "dynamoDB table name"   } }</pre>



**Recommended Structure**

```
main.tf  
modules/<module>/variables.tf  
modules/<module>/output.tf  
modules/<module>/module.tf
```

**Resources**

<https://registry.terraform.io>

**Workspaces**

Used to manage different state files