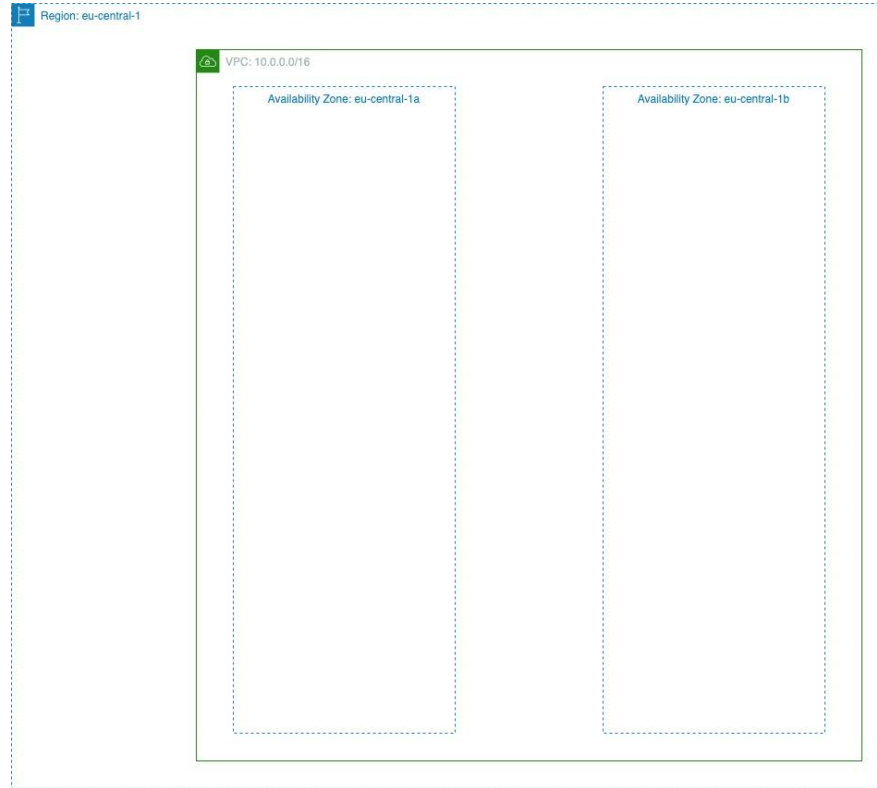


# Deploying a monolithic application on AWS with Terraform and Packer

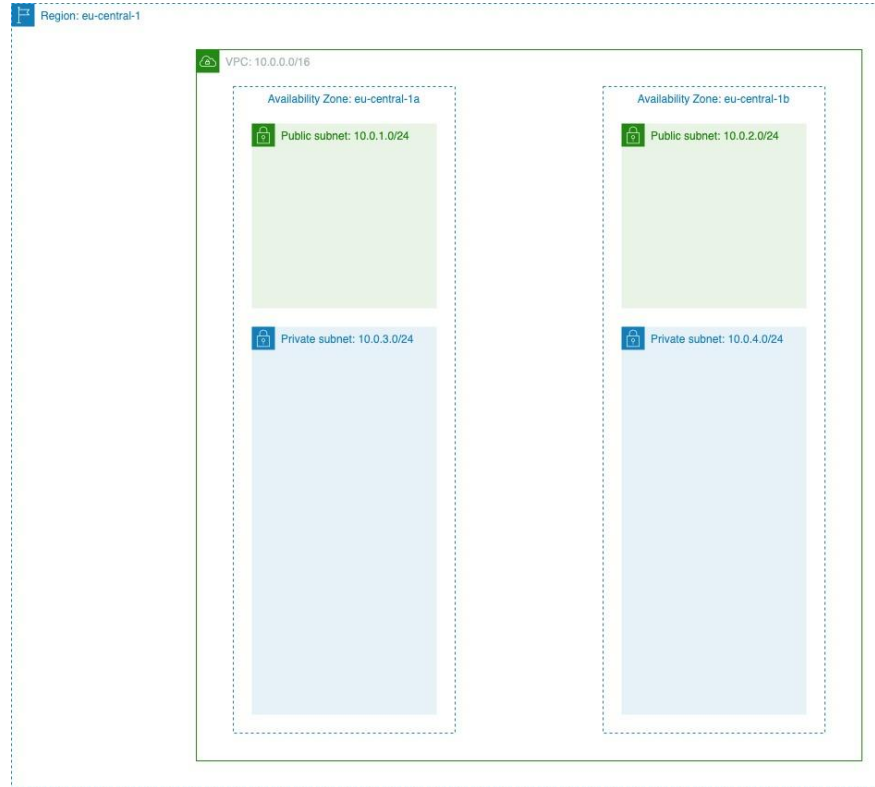
# Example infrastructure



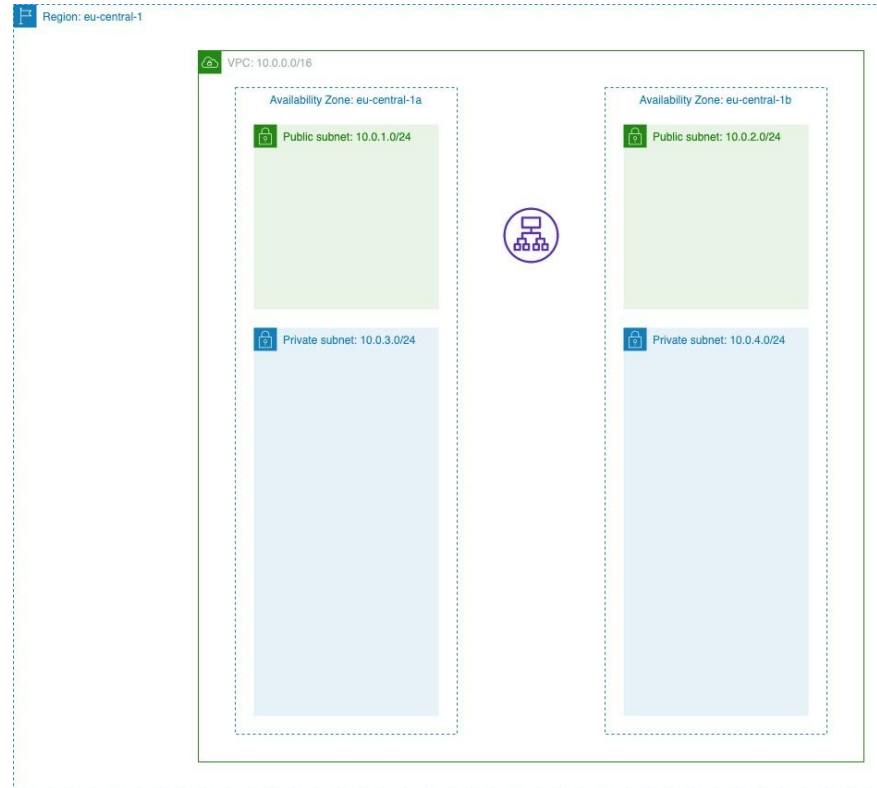
# Example infrastructure



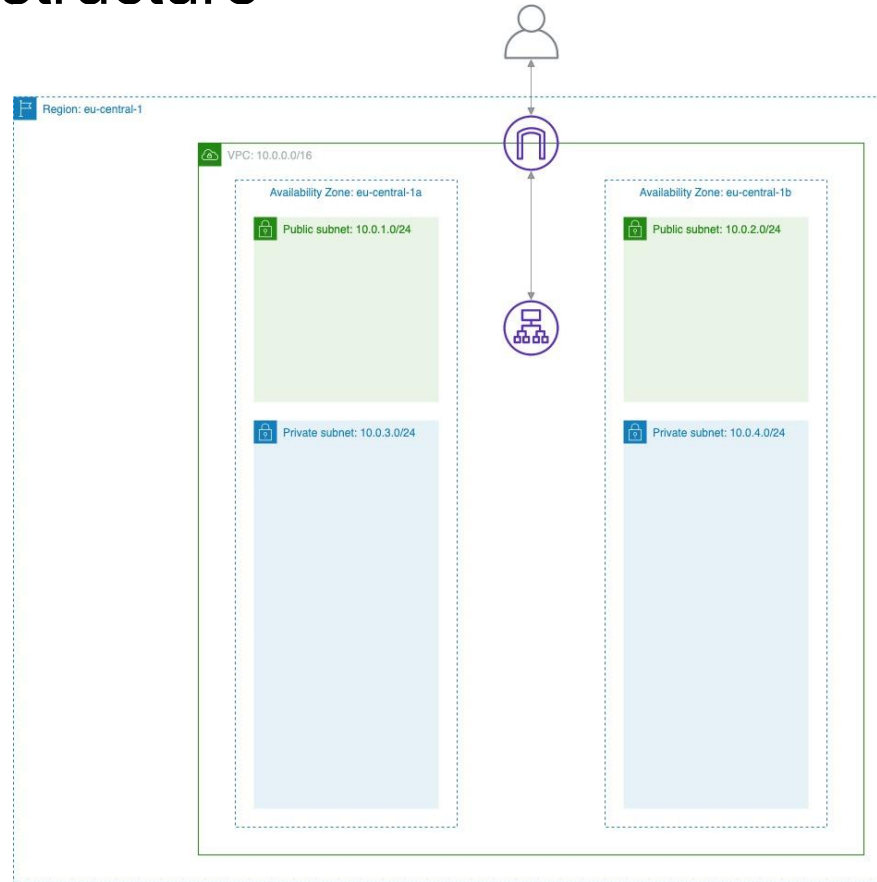
# Example infrastructure



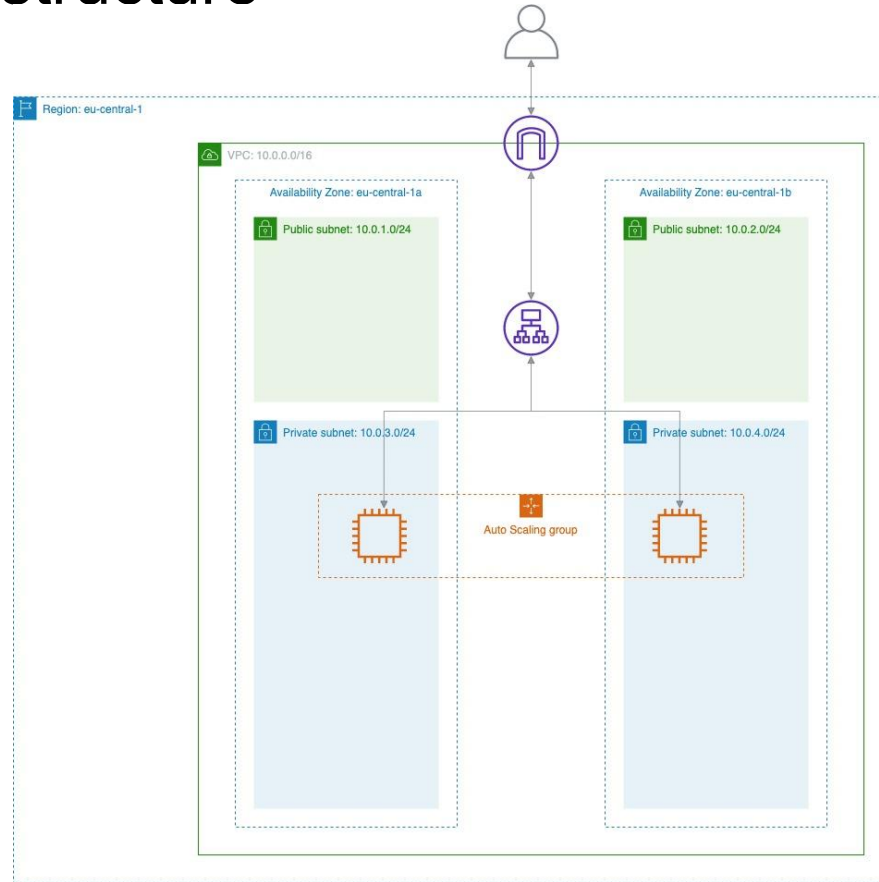
# Example infrastructure



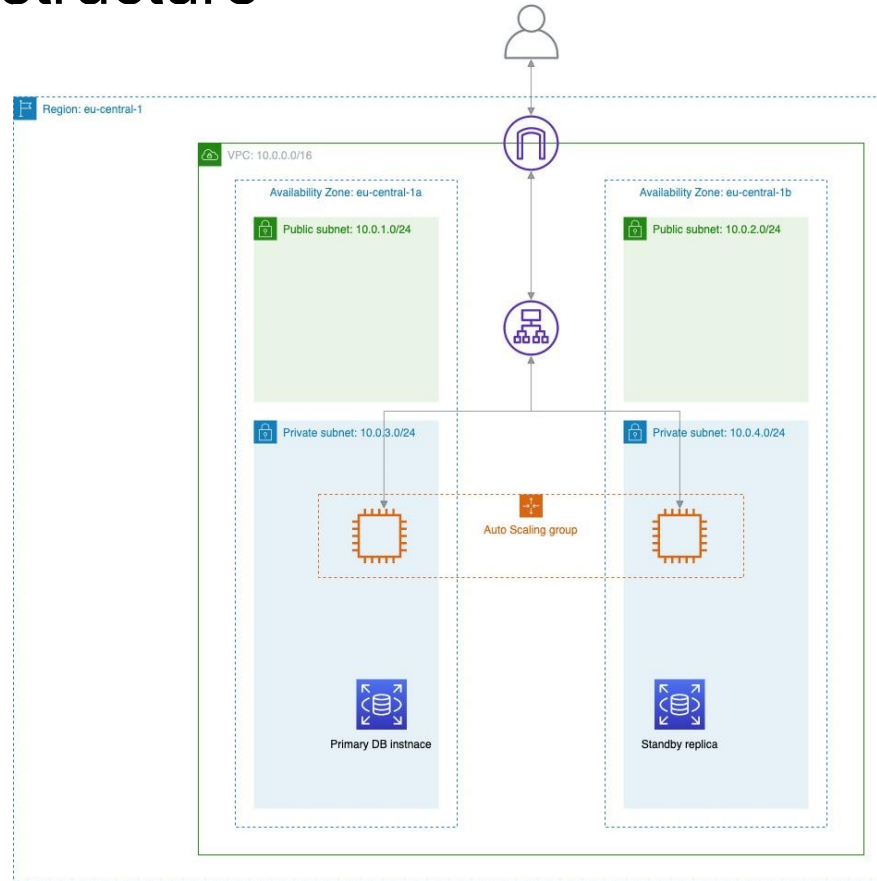
# Example infrastructure



# Example infrastructure

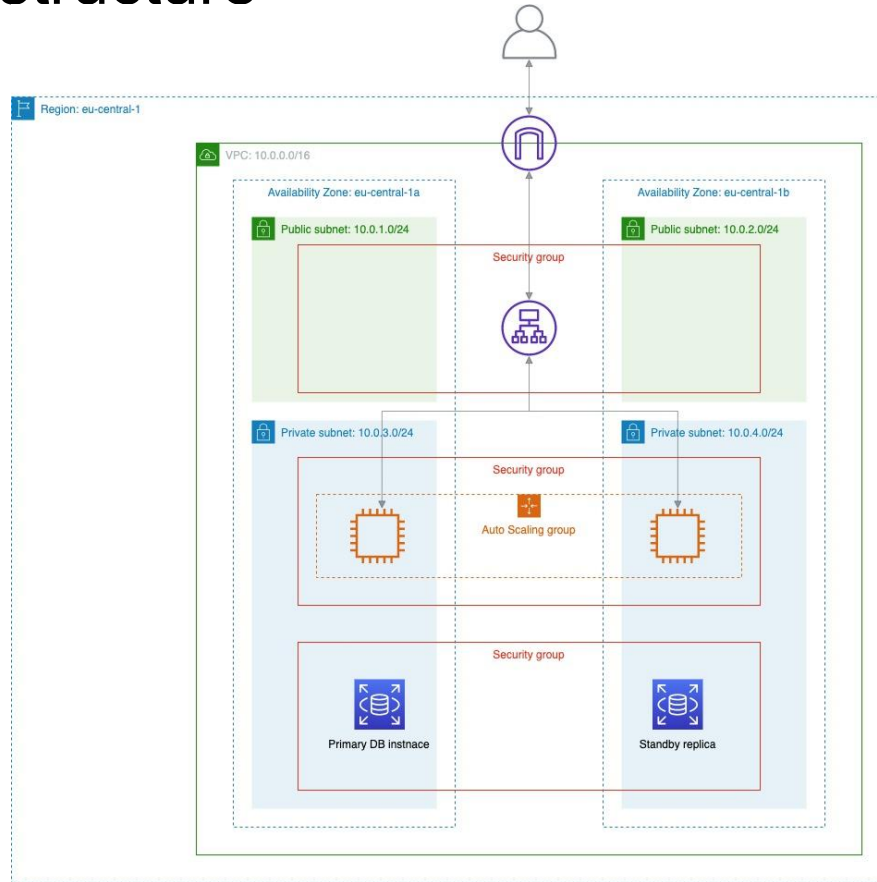


# Example infrastructure

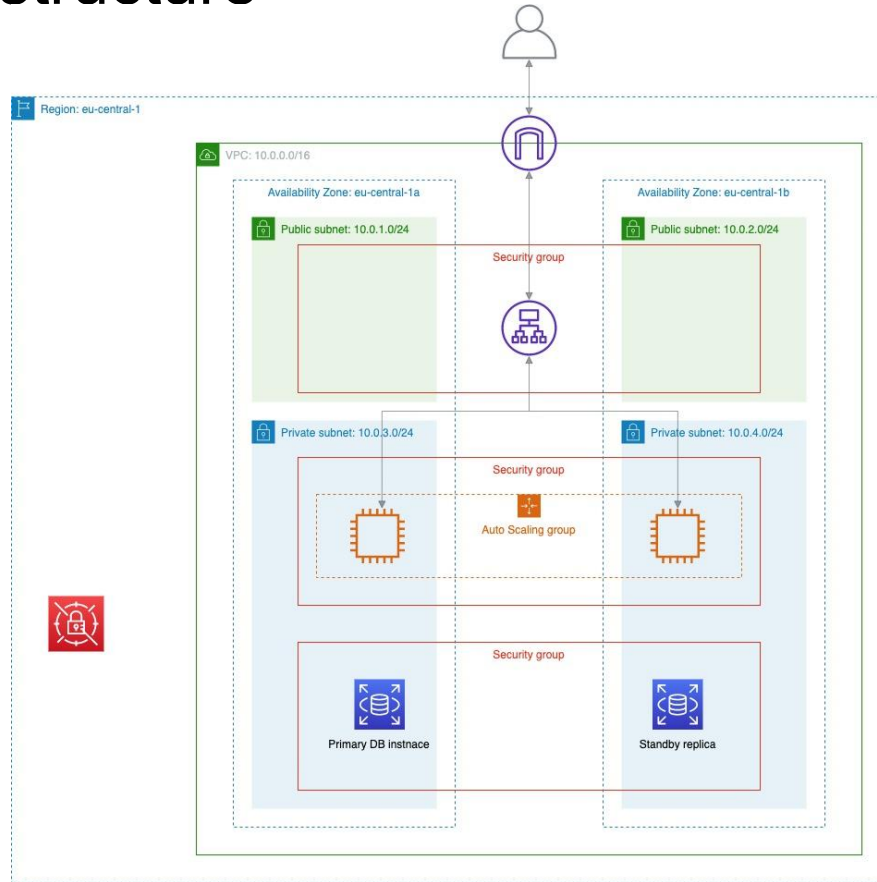




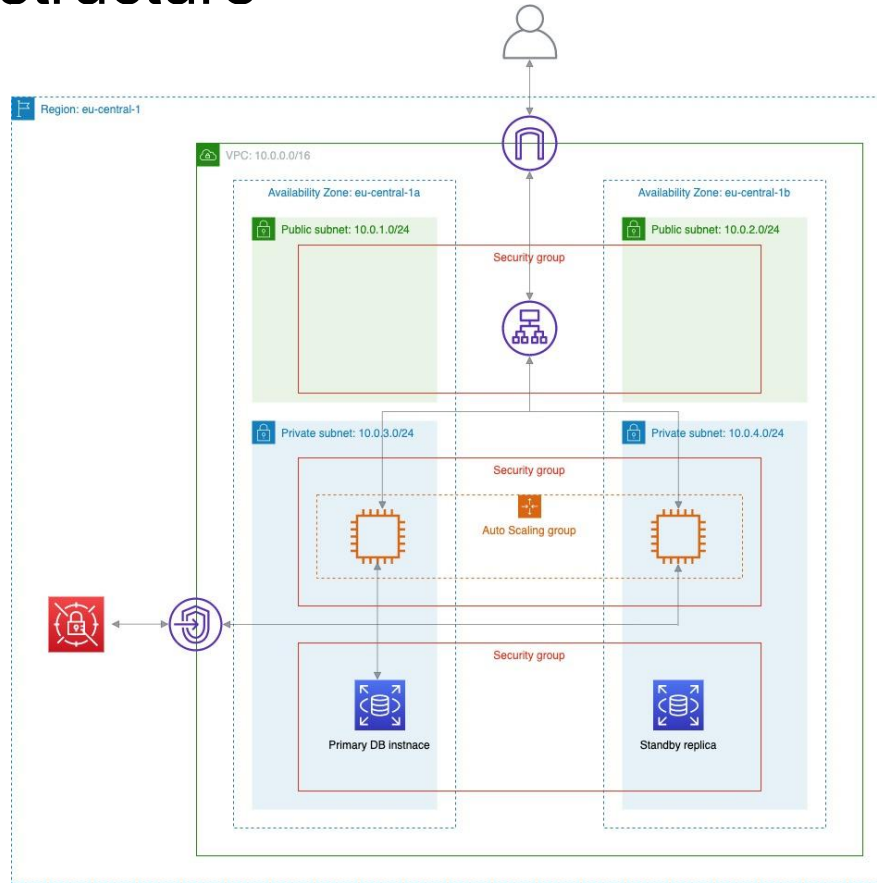
# Example infrastructure



# Example infrastructure



# Example infrastructure



# Example infrastructure



```
{  
  "Version": "2012-10-17",  
  "Statement": {  
    "Effect": "Allow",  
    "Action": "secretsmanager:GetSecretValue",  
    "Resource": "<arn-of-the-secret-the-app-needs-to-access>"  
  }  
}
```

# Example infrastructure

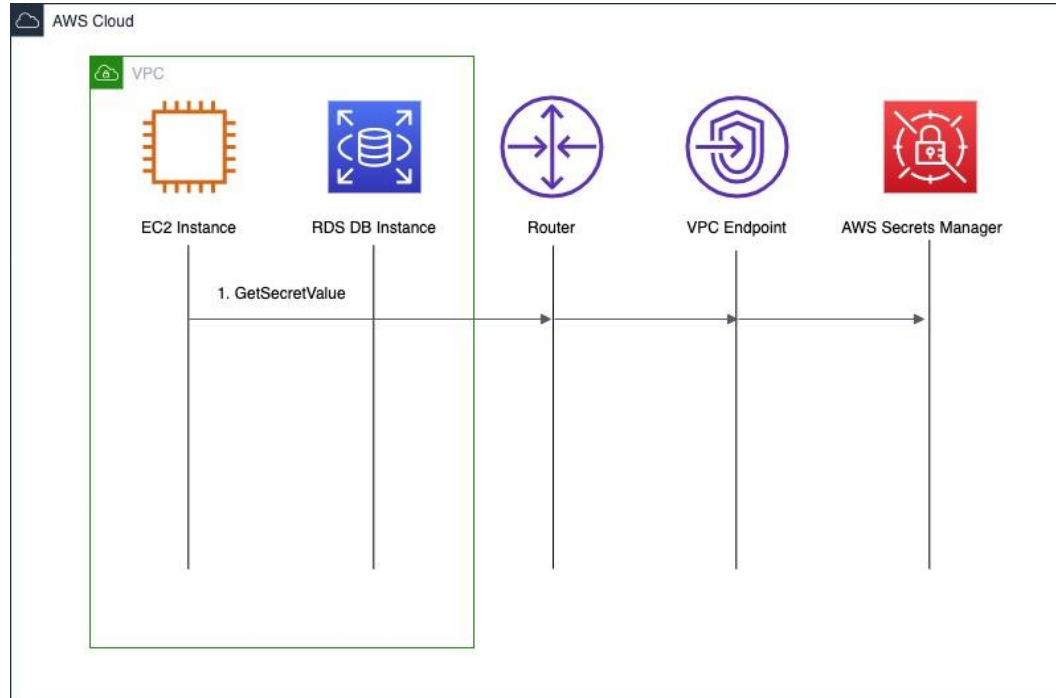
Private Subnets: 10.0.3.0/24, 10.0.4.0/24  
are associated with Main Route Table

Public Subnets: 10.0.1.0/24, 10.0.2.0/24  
are associated with Public Route Table

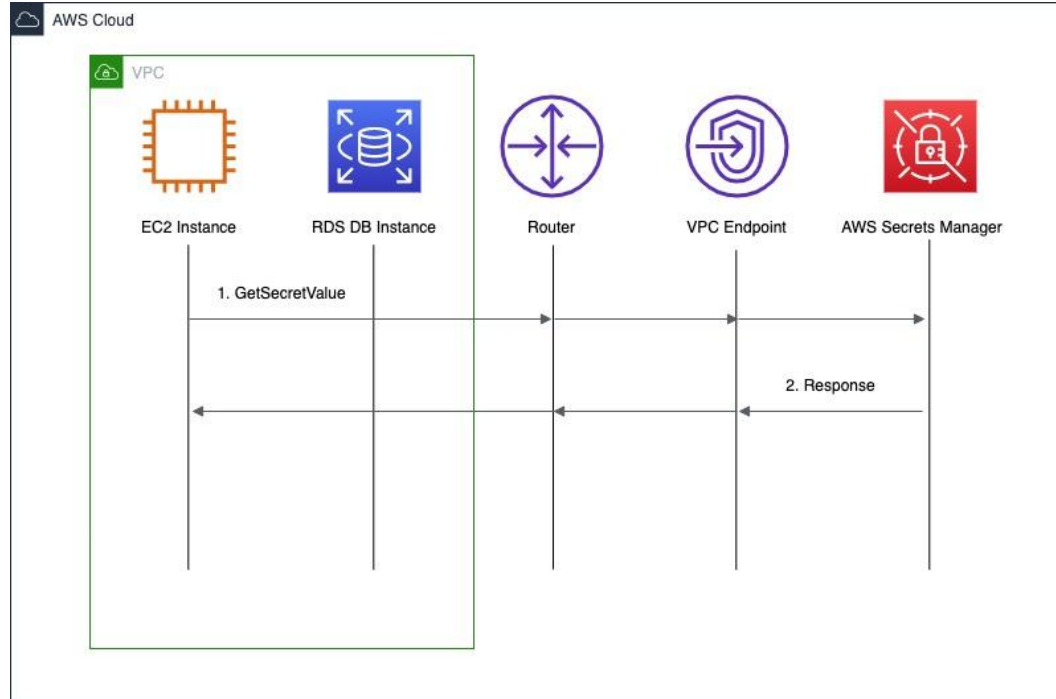
Main Route Table	
Destination	Target
10.0.0.0/16	local

Public Route Table	
Destination	Target
10.0.0.0/16	local
0.0.0.0/0	Internet Gateway ID

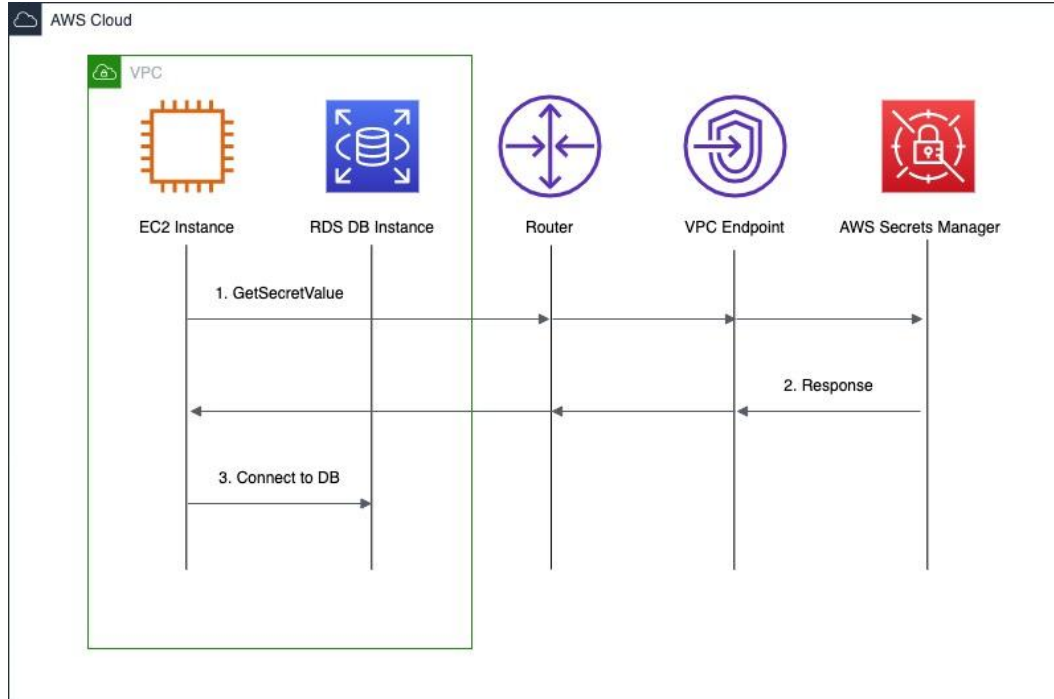
# Example infrastructure



# Example infrastructure

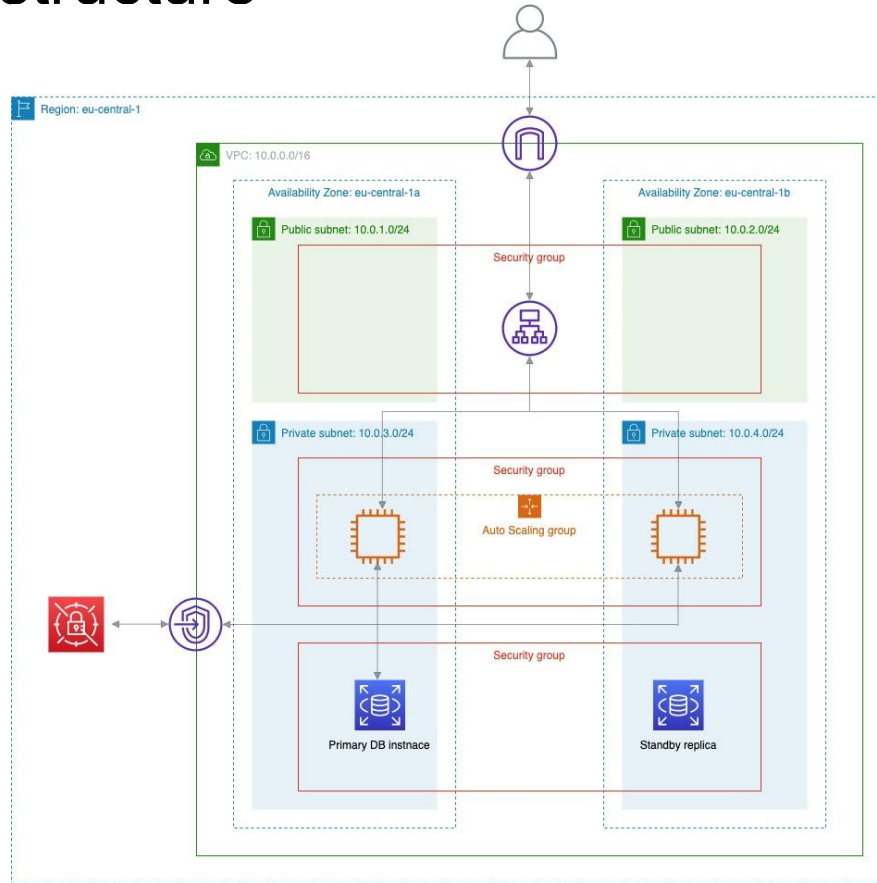


# Example infrastructure

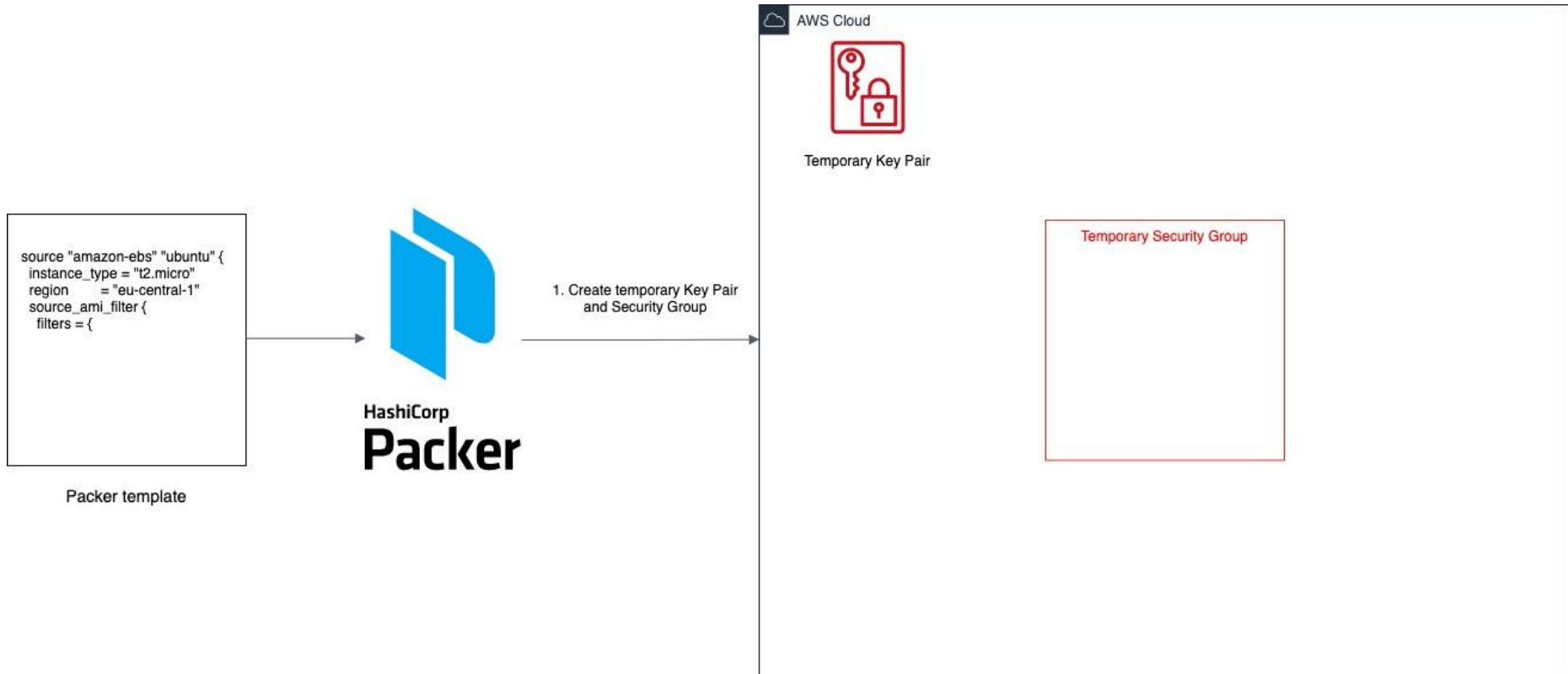




# Example infrastructure



# Packer



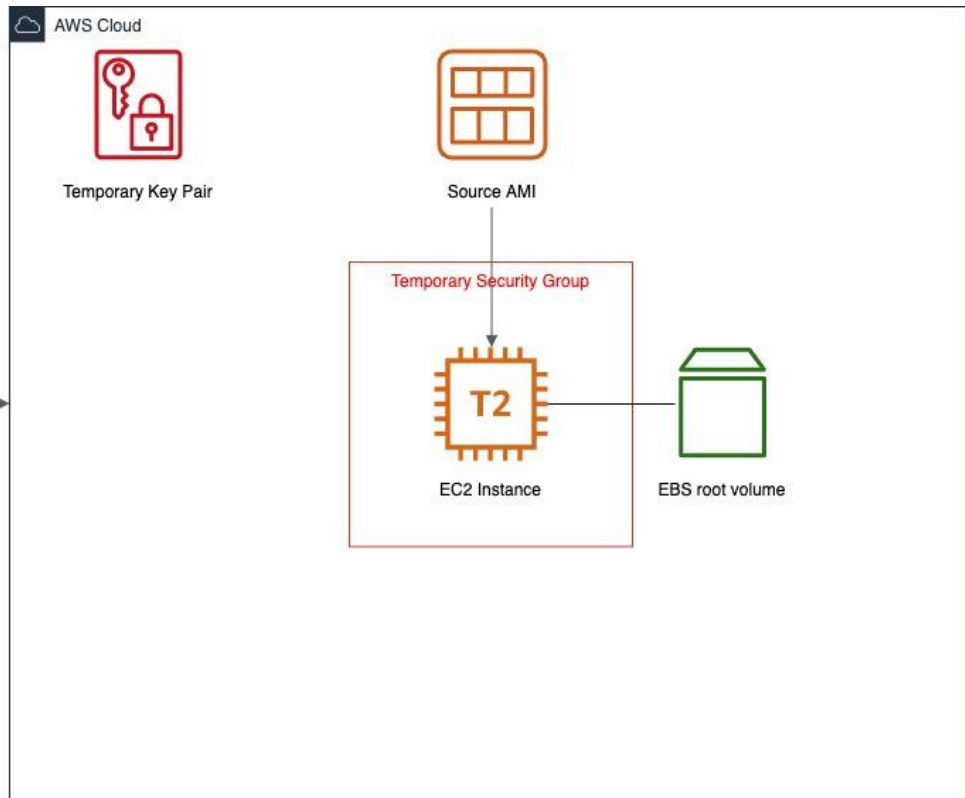
# Packer

```
source "amazon-ebs" "ubuntu" {  
  instance_type = "t2.micro"  
  region       = "eu-central-1"  
  source_ami_filter {  
    filters = {
```

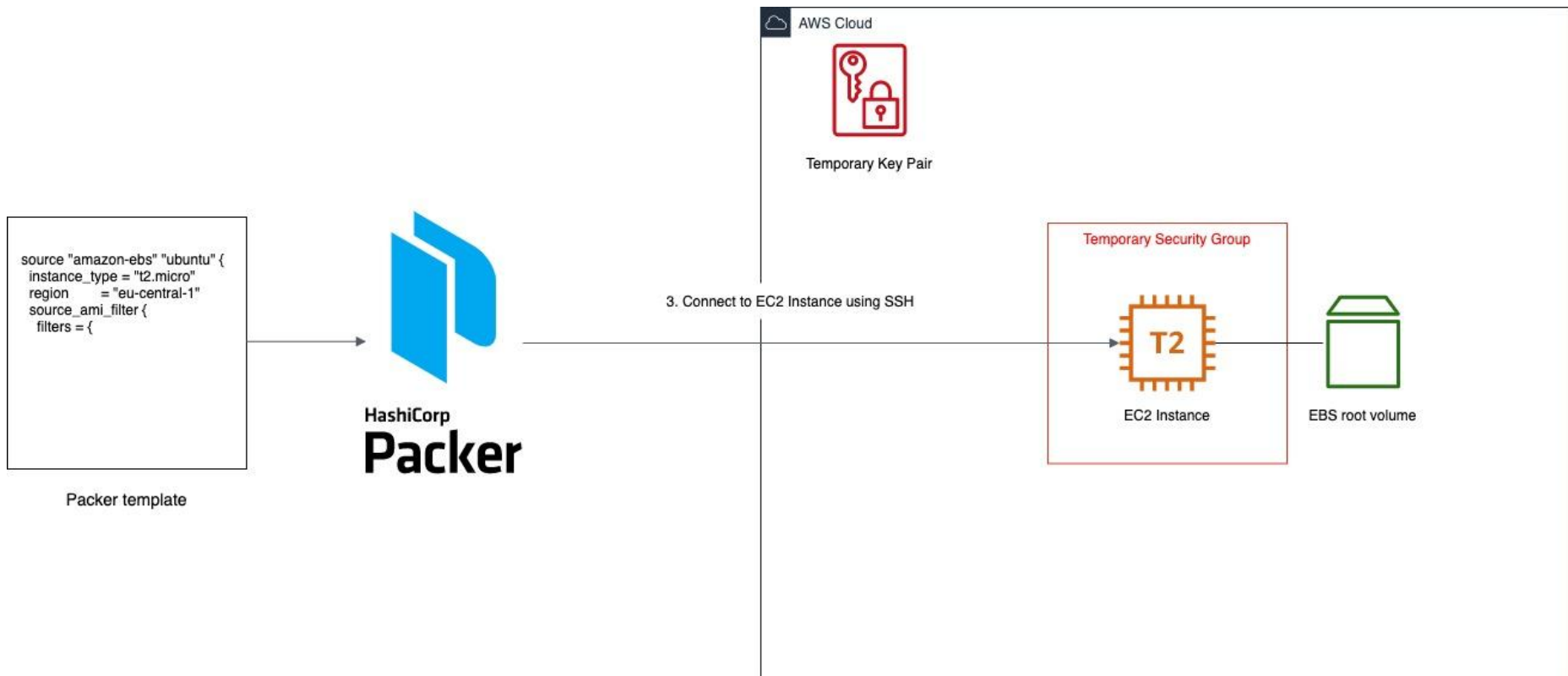
Packer template



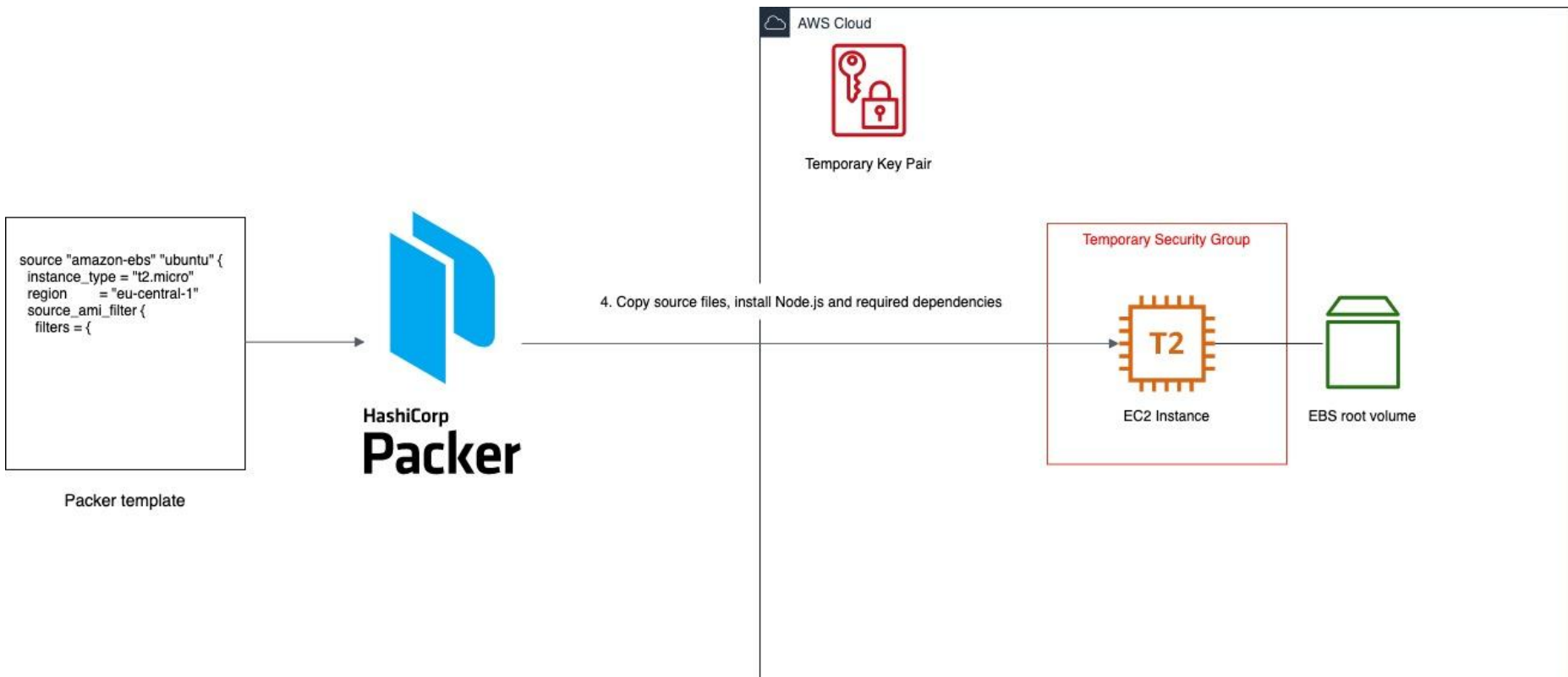
2. Spin up EC2 Instance from  
source AMI



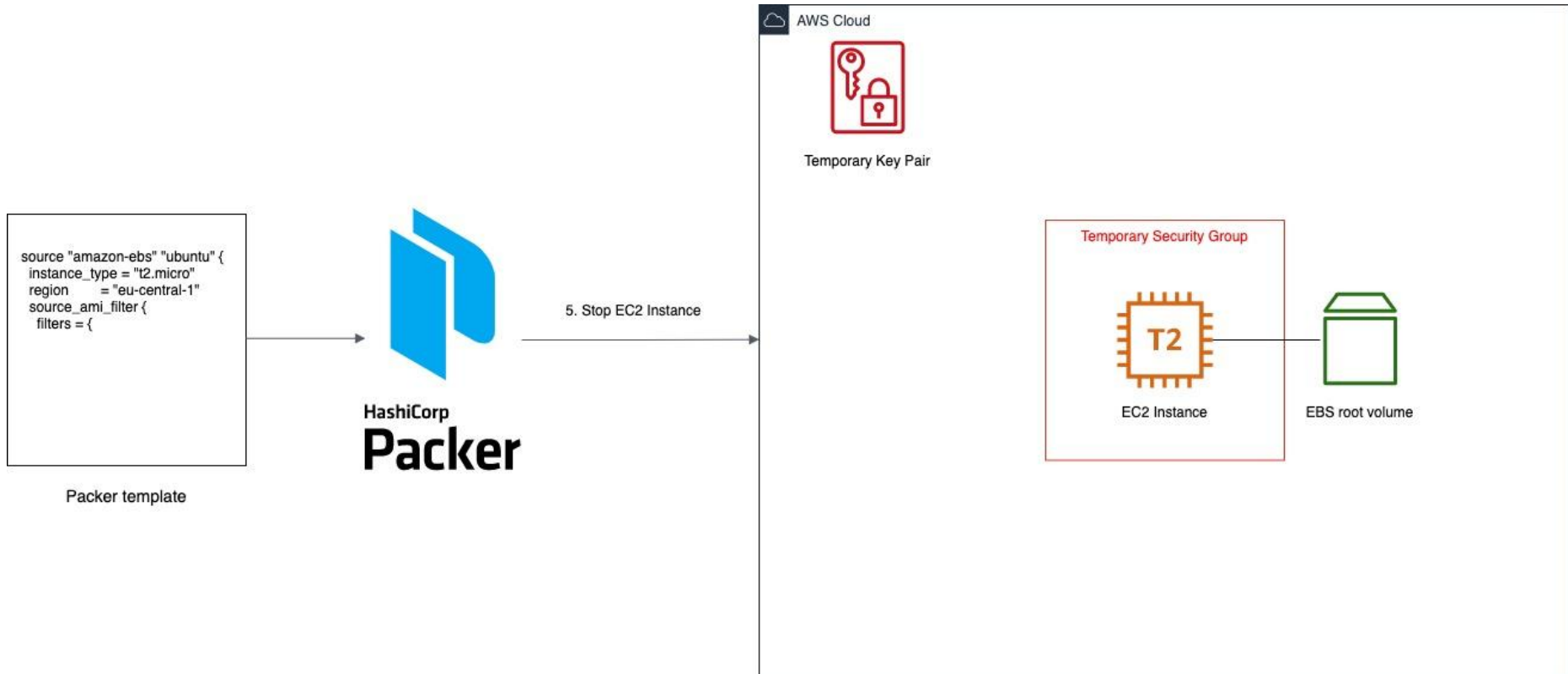
# Packer



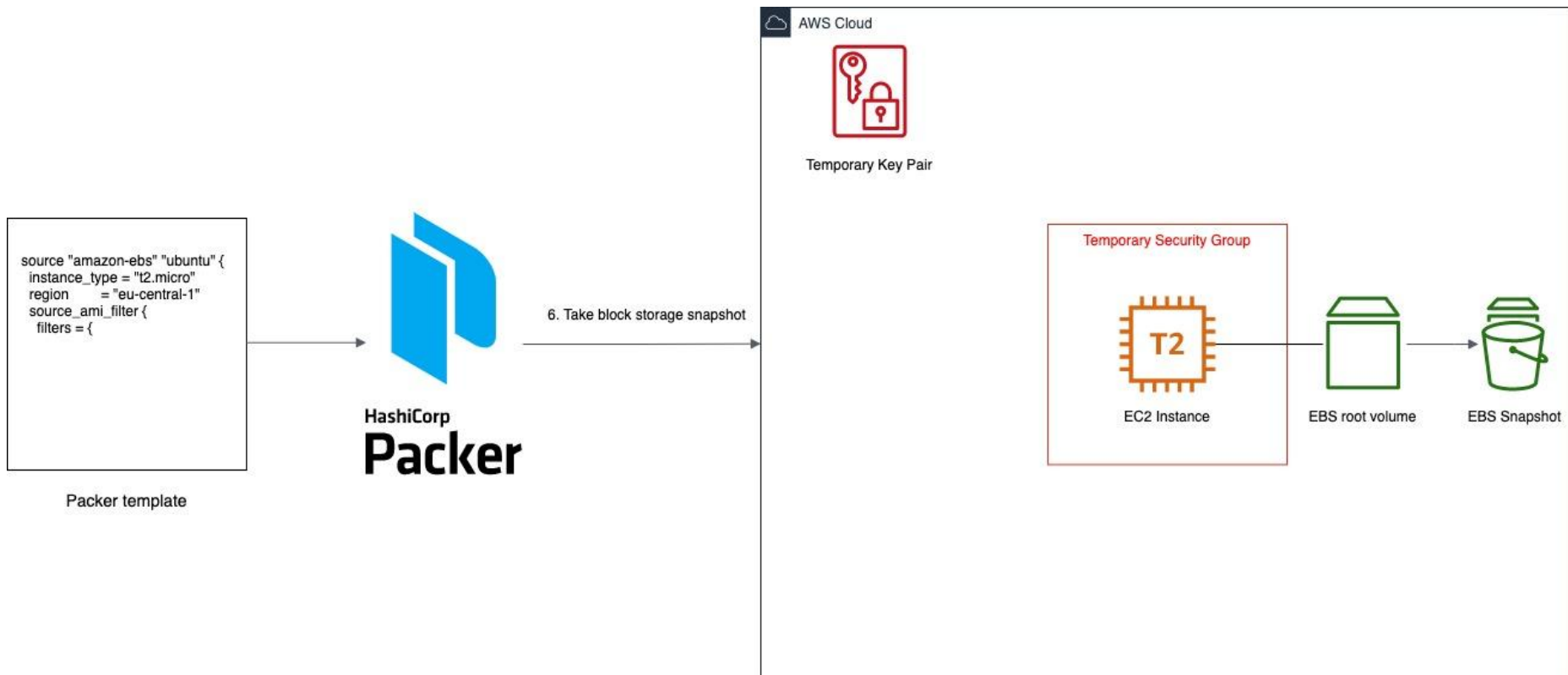
# Packer



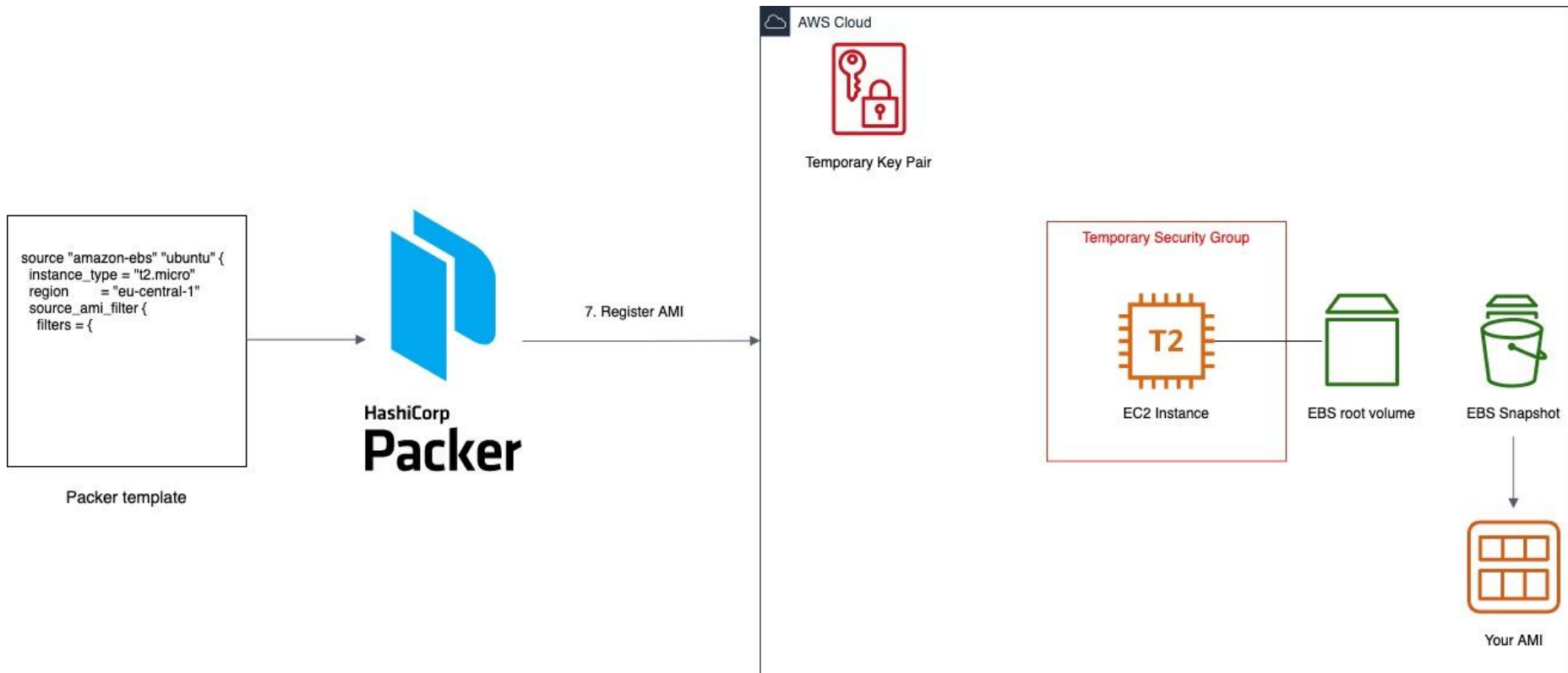
# Packer



# Packer

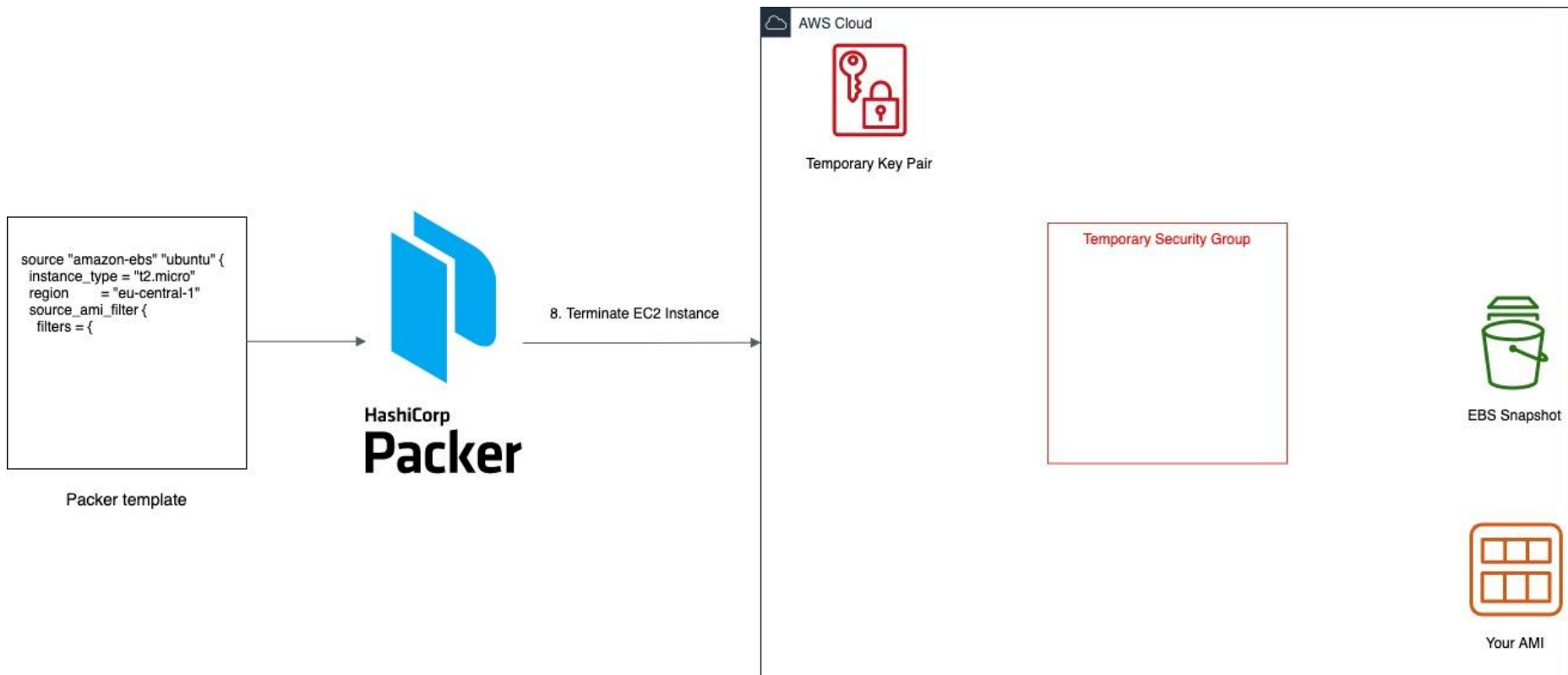


# Packer

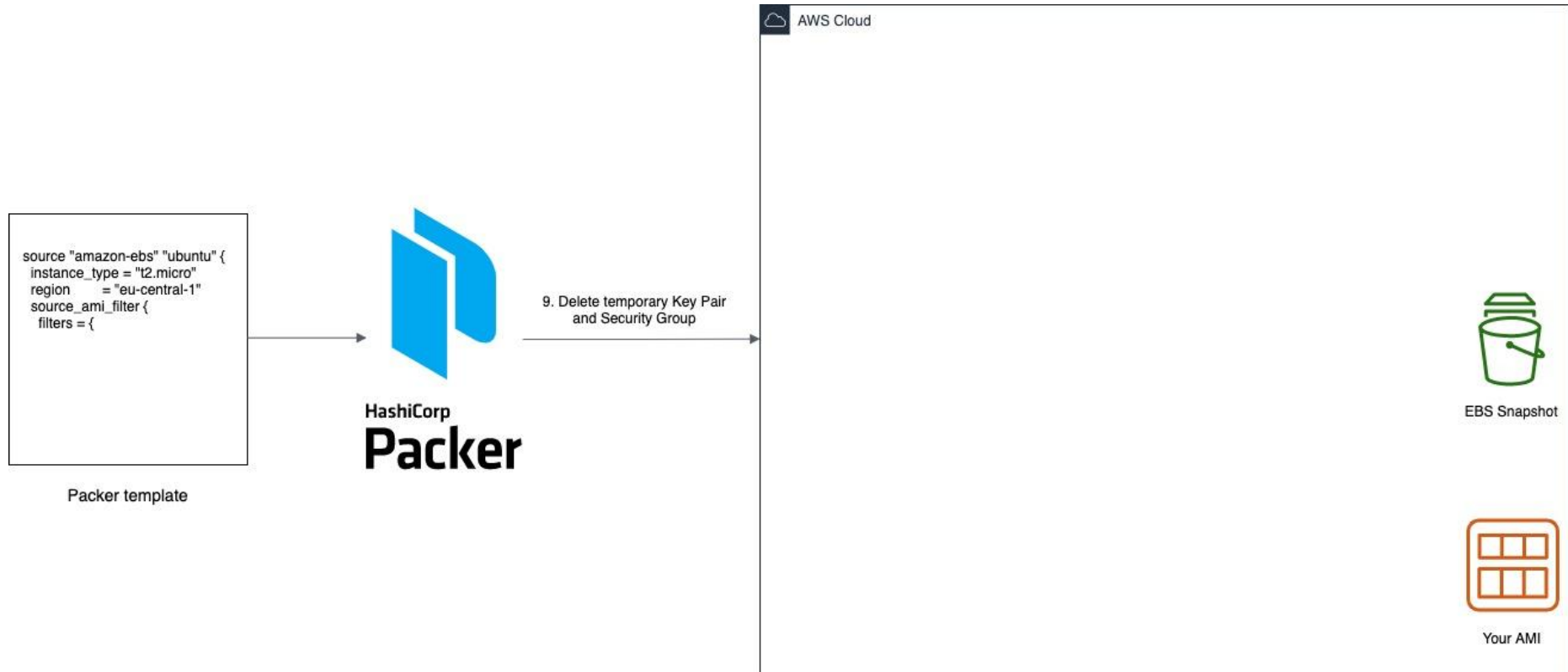




# Packer



# Packer



# Terraform

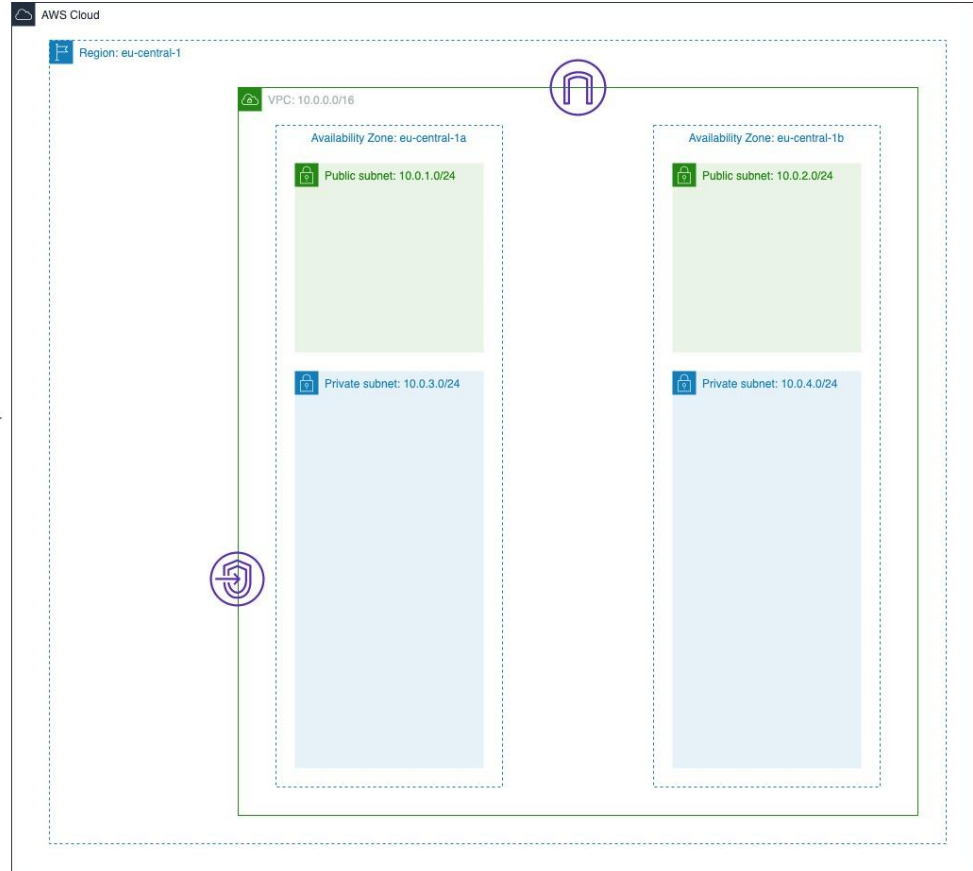
```
resource "aws_vpc" "vpc" {  
  cidr_block = 10.0.0.0/16  
  enable_dns_hostnames = true  
  enable_dns_support = true  
}
```

VPC Terraform configuration

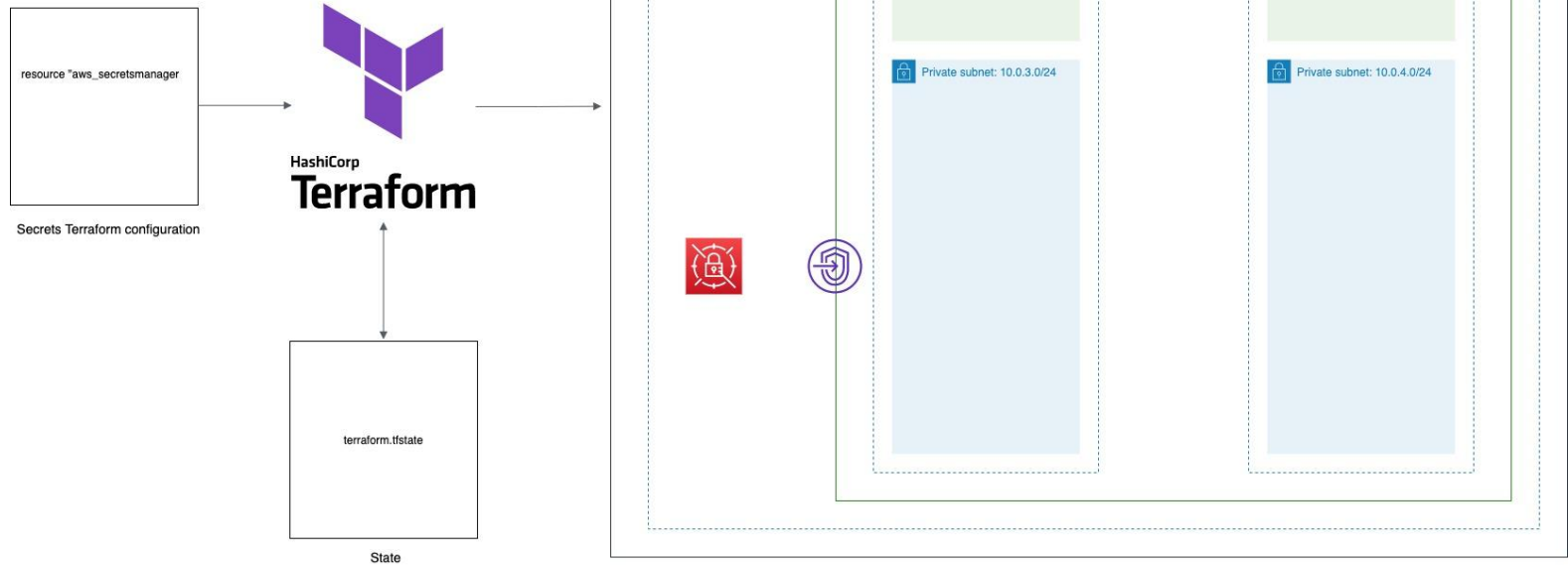


terraform.tfstate

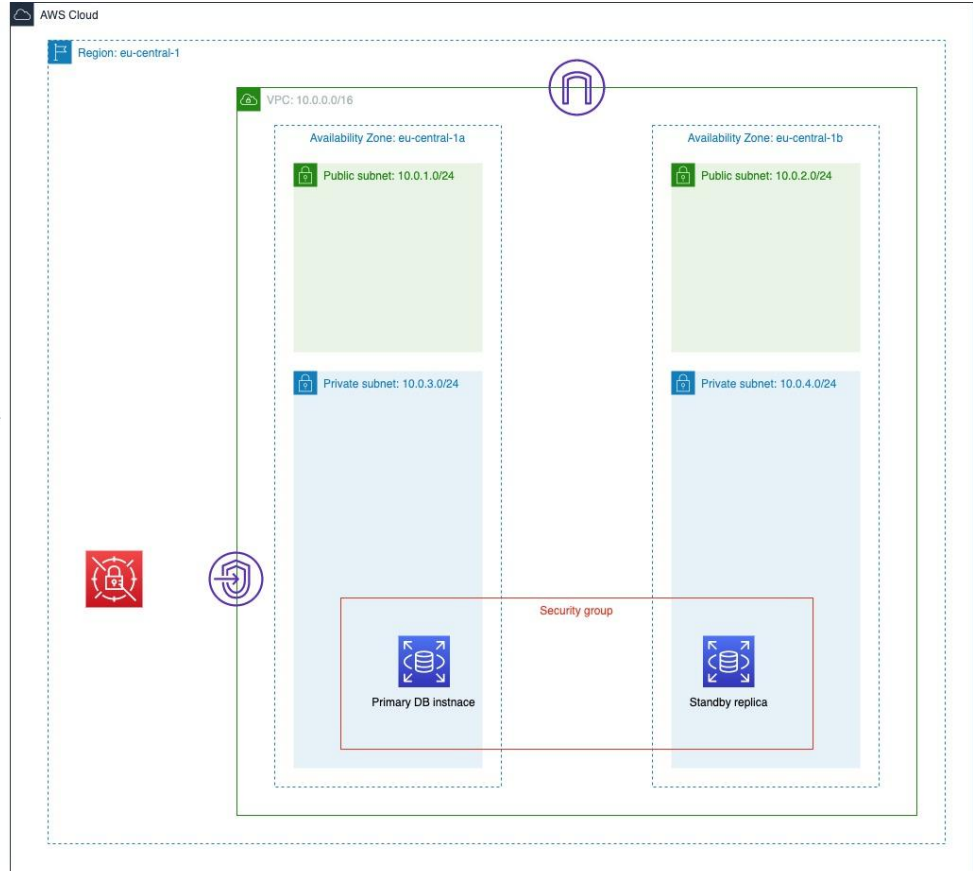
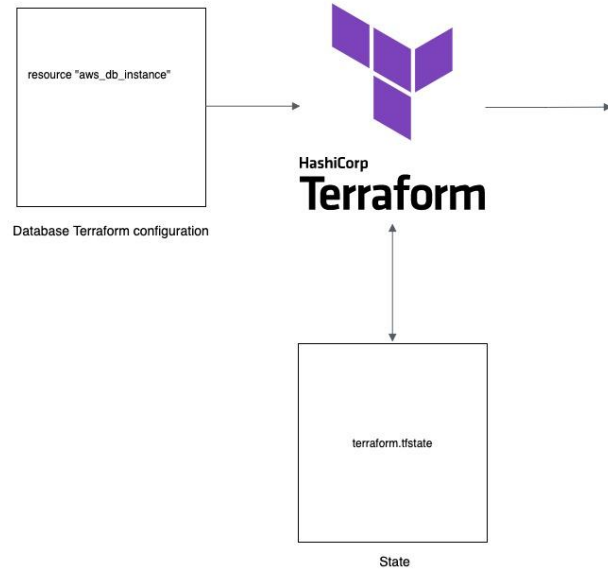
State



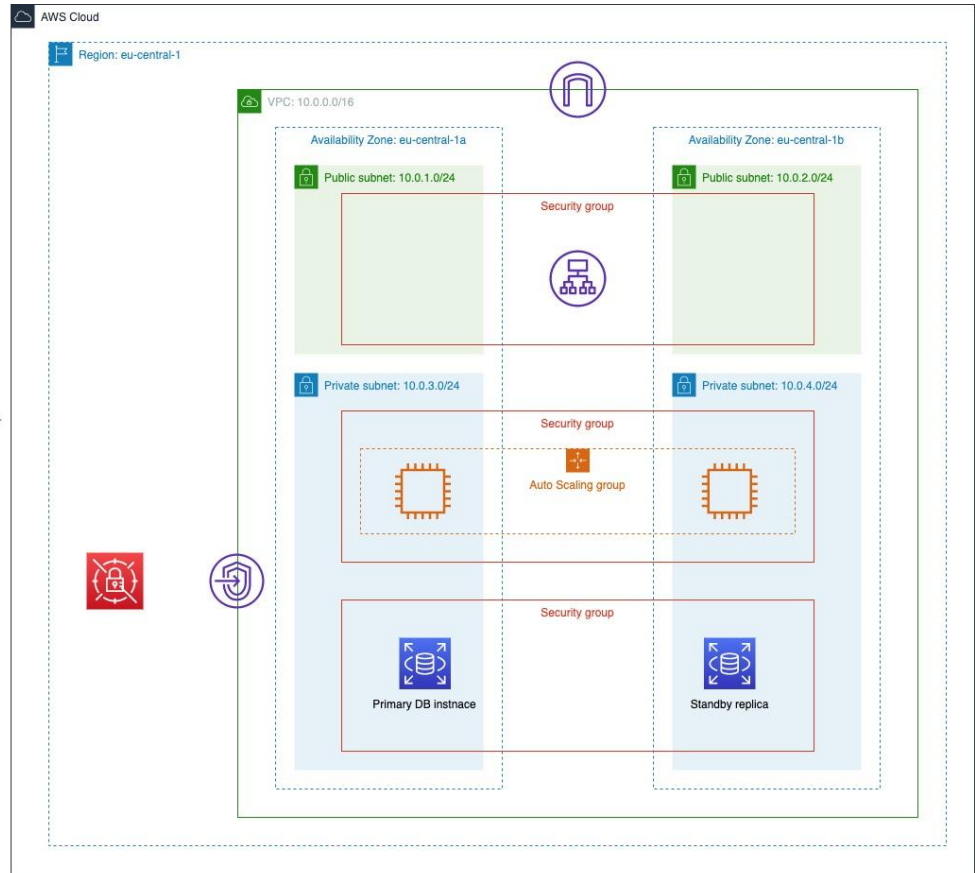
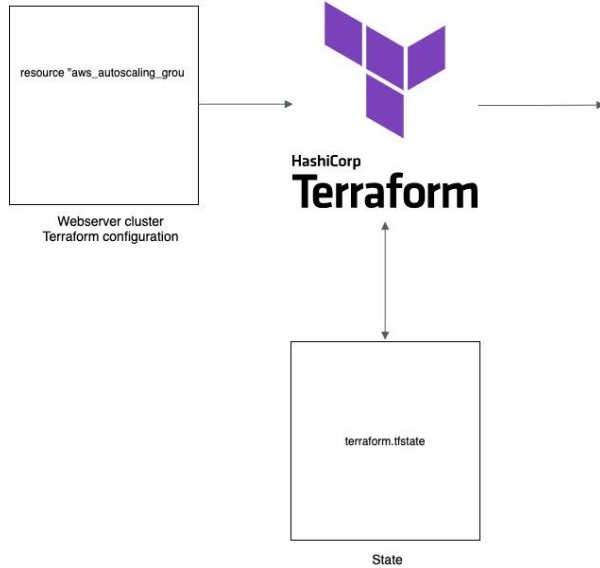
# Terraform



# Terraform

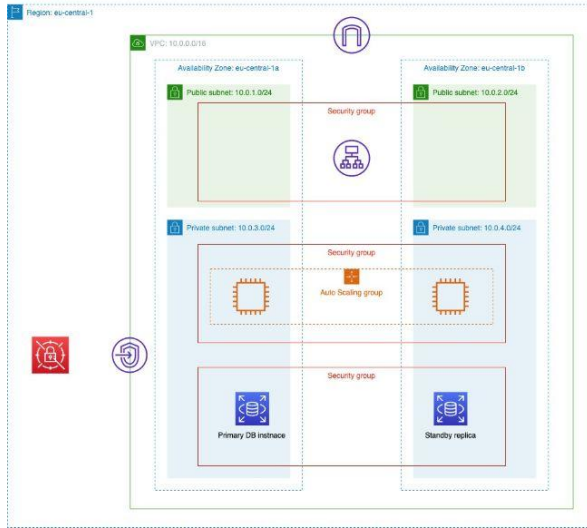


# Terraform

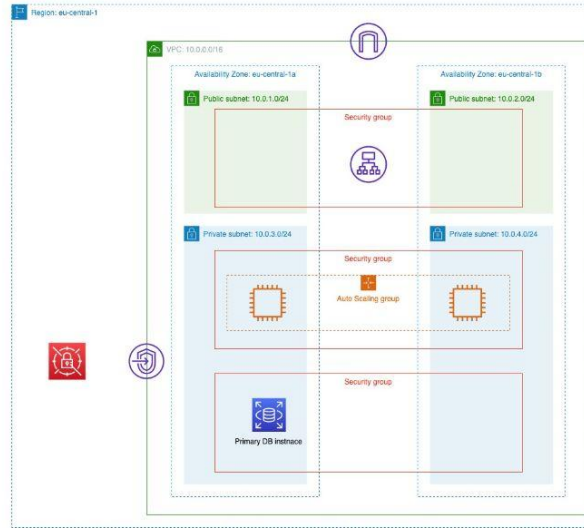


# Terraform & Packer

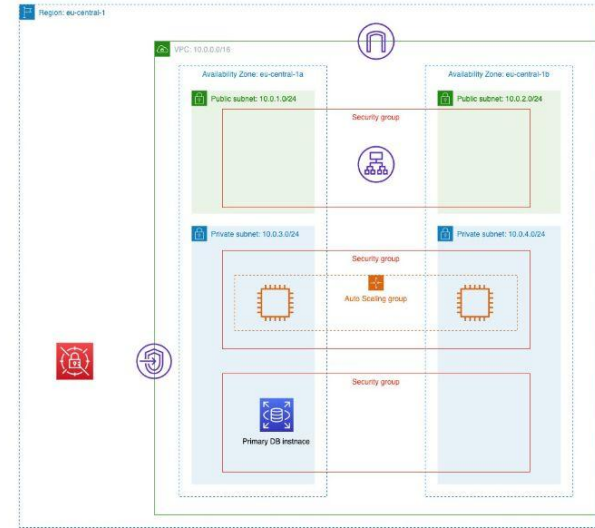
Prod



Stage



Dev



Demo



**Source code:** [github.com/annalach/terraform-and-packer](https://github.com/annalach/terraform-and-packer)

**Feedback:**