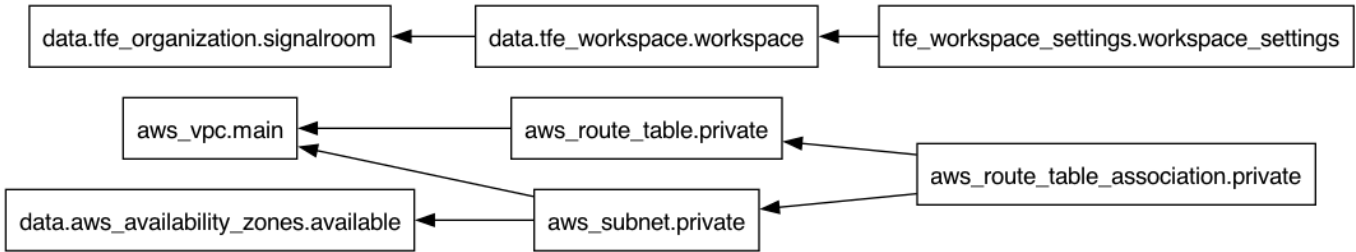# Infrastructure as Code (IaC) AWS Private VPC Setup

This repository contains Terraform code to create a private Virtual Private Cloud (VPC) in AWS. The setup includes subnets, route tables, security groups, and other necessary components to establish a secure and isolated network environment.

Below is the Terraform visualization of the infrastructure that's created:

Table of Contents

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VPC Prefix	Desired Subnet	newbits	Resulting Subnets	IPs per Subnet
/16	/20	4	16 subnets	4,096
/16	/24	8	256 subnets	256
/16	/28	12	4,096 subnets	16
/20	/24	4	16 subnets	256
/20	/28	8	256 subnets	16
/24	/28	4	16 subnets	16

1.0 Resources

- CIDR to IPv4 Conversion