10 Terraform Hands-on to try to get a High Paying Job

Are you ready to unlock a rewarding career in Terraform? Our latest post is your gateway to becoming an expert in infrastructure as code!

Immerse yourself in our Step-By-Step Activity Guides designed to enhance your CV and pave the way for your dream job. Acquire the skills that employers seek, build an impressive CV, and position yourself for success in job interviews.

Highlights

Step-By-Step Activity Guides:
Follow clear, detailed guides to master Terraform

Activity Guides - Terraform on Azure

Register For a Free Azure Cloud Account

- The first thing you must do is to get a Trial Account for Microsoft Azure. (*You get 200 USD FREE Credit from Microsoft to practice*)

- Microsoft Azure is one of the top choices for any organization due to its freedom to build, manage, and deploy applications. Here, we will look at how to register for the Microsoft Azure FREE Trial Account,

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☐ ☆	Microsoft Azure	**Welcome to your Azure free account** - Get started with popular free services and your $200 credit. Welcome to Azure, Akarsh St...	Dec 18
☐ ☆	Microsoft account t.	**Verify your email address** - Microsoft account Verify your email address To finish setting up your Microsoft account, we just ne...	Dec 18

Installing Terraform with Azure

- This guide walks you through installing the Azure CLI, Microsoft Azure's command-line interface, and adding the Azure provider to Terraform while initiating it with the Terraform init command. These steps are essential for preparing your environment to manage Azure resources using Terraform
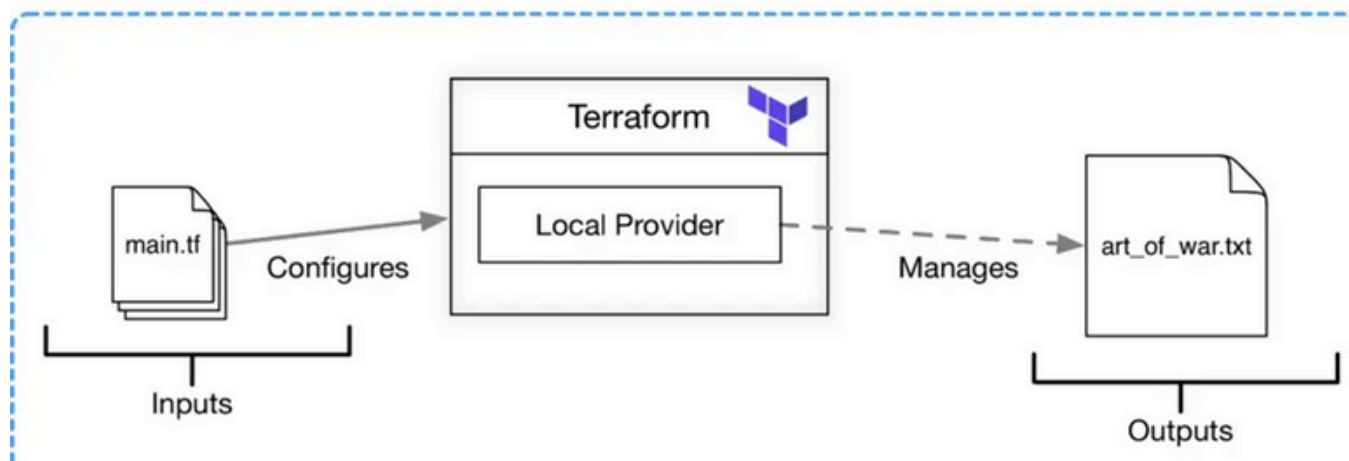
Create A Resource Group

- This activity guide explains the process of creating a Resource Group in Azure using a Terraform Configuration File. It provides instructions for running essential Terraform commands, including terraform init, terraform plan, and terraform apply, to facilitate the creation and management of the Resource Group efficiently
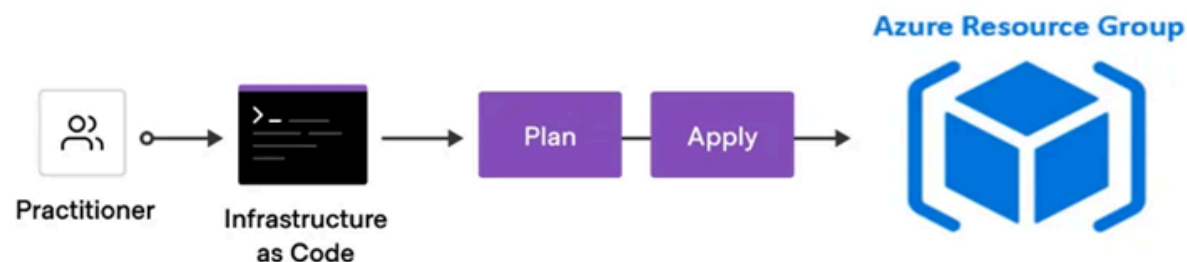

Define Input & Output Variables

- This guide teaches how to define and use different types of input variables (lists, tuples, maps, objects) in Terraform configurations. It demonstrates how to reference these variables in your code and execute it, enabling flexible infrastructure management.

DataSources

- This guide focuses on utilizing Terraform DataSources to fetch resource group data from an Azure environment. It demonstrates how to create Terraform configurations that extract valuable information about Azure resource groups, such as their names, locations, and associated tags.
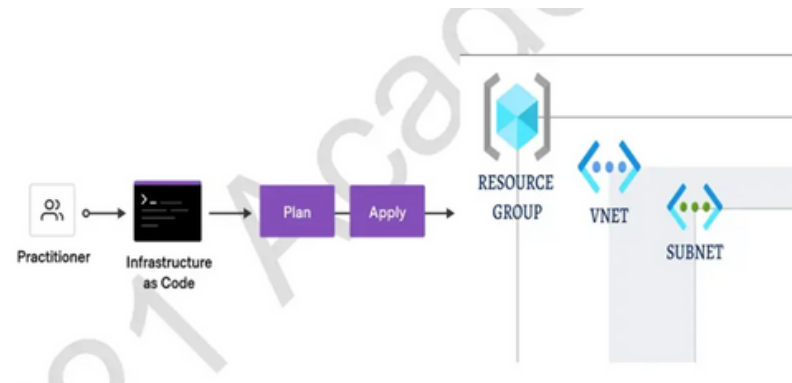

Dynamic Blocks

- This activity guide focuses on the creation of a Virtual Network (VNet) within the context of infrastructure provisioning using Terraform. Specifically, it illustrates the process of creating a VNet with three dynamically generated subnets, employing dynamic blocks in Terraform configurations
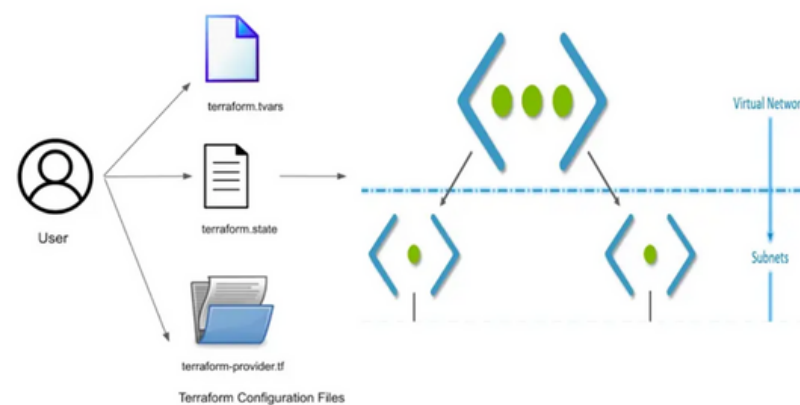
Provisioners
local-exec, remote-exec, file

- This activity guide demonstrates the creation of a Virtual Network (VNet) and a Virtual Machine (VM) using Terraform. It also showcases the utilization of Terraform's provisioners for enhanced VM configuration. Specifically, it covers the addition of a local-exec provisioner to record the VM's public IP address in a local file, a remote-exec provisioner for installing Git on the VM, and a file provisioner for copying a local file to the VM's directory in Azure
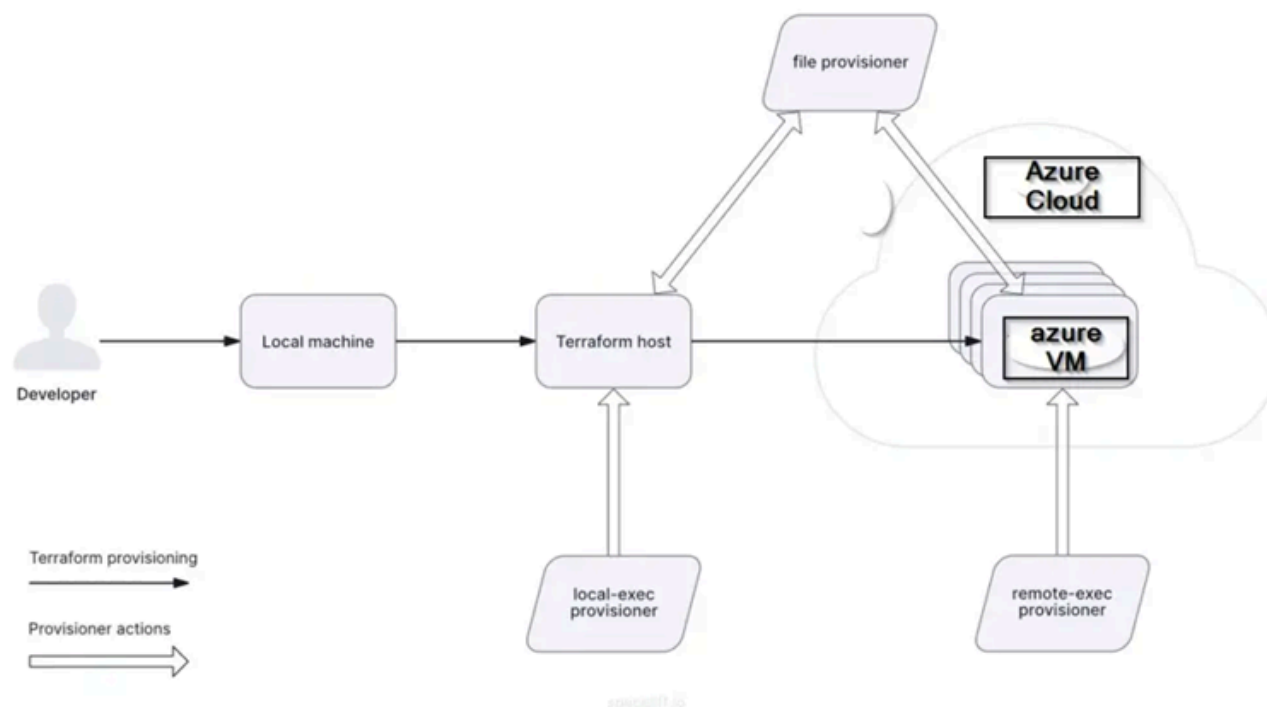
Remote State with Azure Storage Account

- This guide covers three key tasks: creating an Azure Storage Account using the Azure Command-Line Interface (az cli), setting up remote Terraform state storage in the Azure Storage Account, and understanding the functionality of Terraform's 'terraform refresh' command. It equips users to manage infrastructure efficiently while securely storing Terraform state in Azure Storage
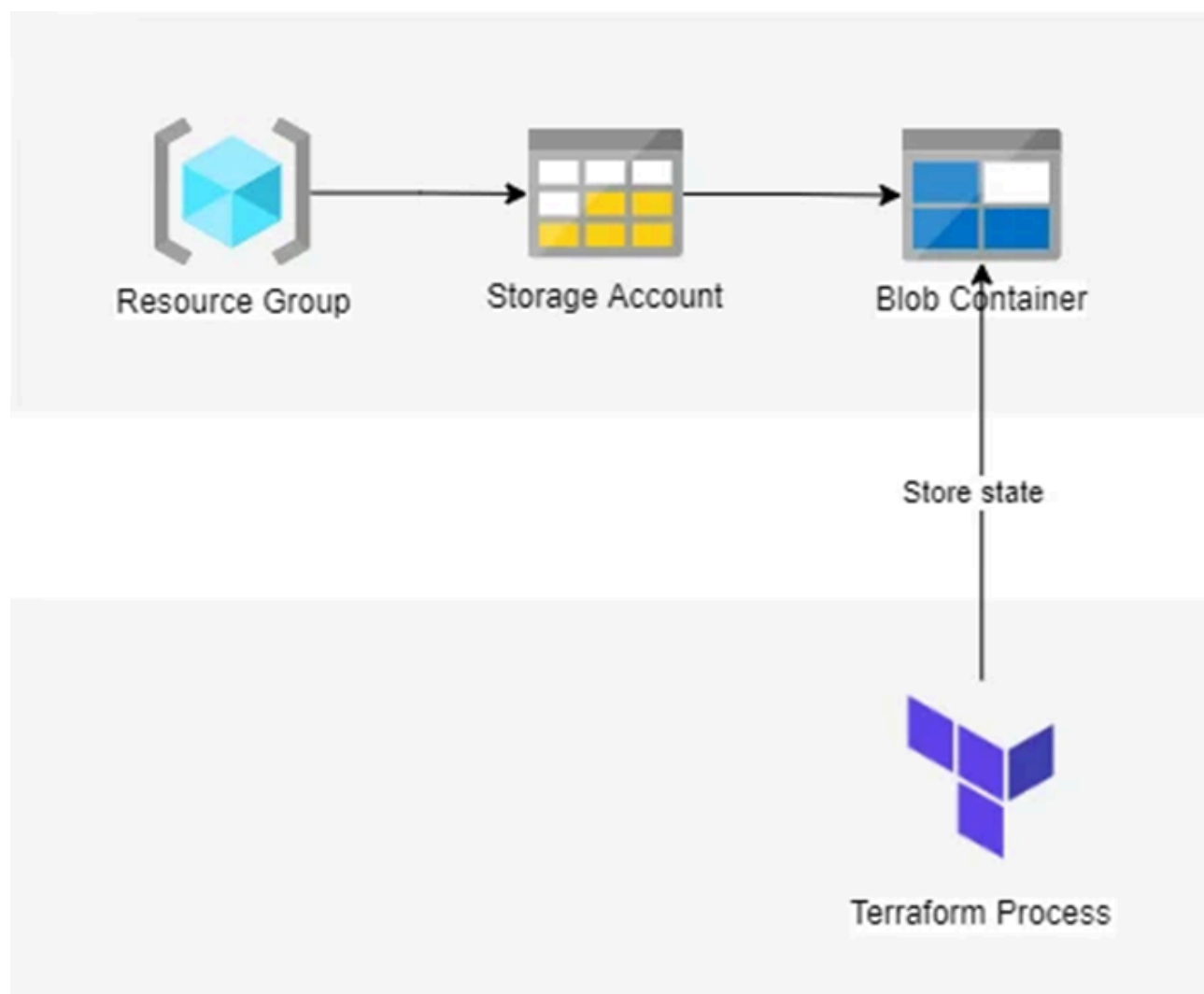
Terraform Modules

- This activity guide provides instructions for creating and using Terraform modules to streamline infrastructure management in Azure. It demonstrates how to create modules for Azure Storage Accounts and Virtual Networks, then integrate these modules into a root module. The guide follows a directory structure, with 'Modules_Demo' serving as the root directory.
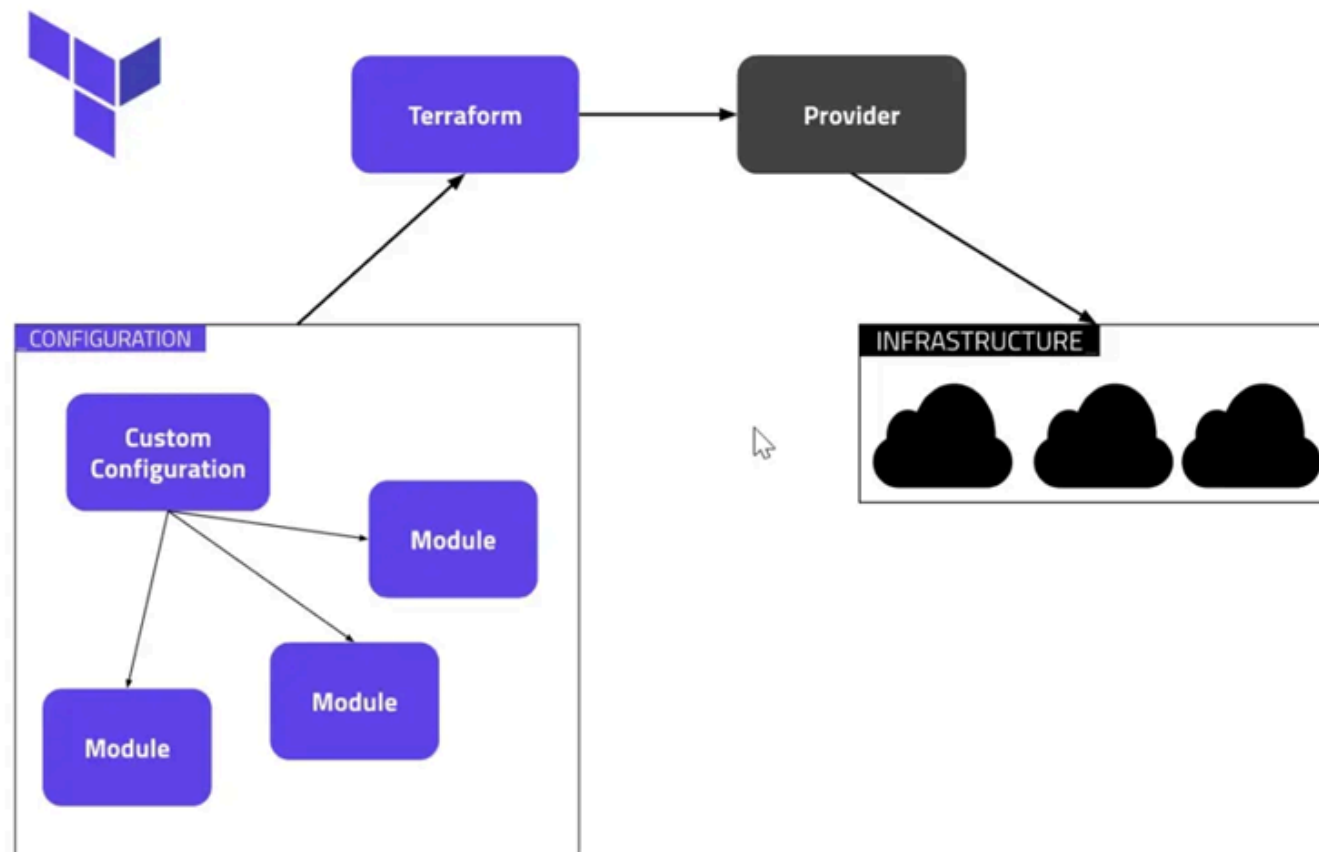
Create a Virtual Network & Virtual Machine

- In this guide, we demonstrate how to build a small Azure infrastructure using Terraform. This includes creating a Virtual Network (VNet) with subnets, public IP, network security, and a network interface. Afterward, we set up a virtual machine within this configured environment.