Home / AWS / Guided Lab / Create IAM Users and Groups using Terraform

Create IAM Users and Groups using Terraform

Level: **Fundamental**

Identity And Access Management   Amazon Web Services   Terraform

Required Points	💎 10
Lab Duration	**00:30:00**
Average Start time	**Less than a minute**

Start Lab →

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Lab Overview

☁️ Cloud Administrator

⚙️ Security, Management & Governance, Infrastructure

Lab Details

1. This lab walks you through steps to creating IAM Users and adding them into IAM Groups using terraform.

Privacy - Terms

2. Duration: **30 Minutes**

3. AWS Region: **US East (N. Virginia) us-east-1**

Introduction:

What is Terraform?

1. It is an open-source IaaC (Infrastructure as a code) software tool where you define and create resources using providers in the declarative configuration language example JSON.

2. With Terraform, You can package and reuse the code in the form of modules.

3. It supports a number of cloud infrastructure providers such as AWS, Azure, GCP, IBM Cloud, OCI, etc.

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terraform plan

- terraform apply

- terraform destroy

Prerequisites

1. Install Terraform in your local machine using this official guide by Hashicorp.

2. To install Terraform using CLI, use this guide
   https://learn.hashicorp.com/tutorials/terraform/install-cli

3. To install Terraform by downloading, use this guide
   https://www.terraform.io/downloads.html

4. Download and Install Visual Studio code editor using this guide
   https://code.visualstudio.com/download

Architecture Diagram
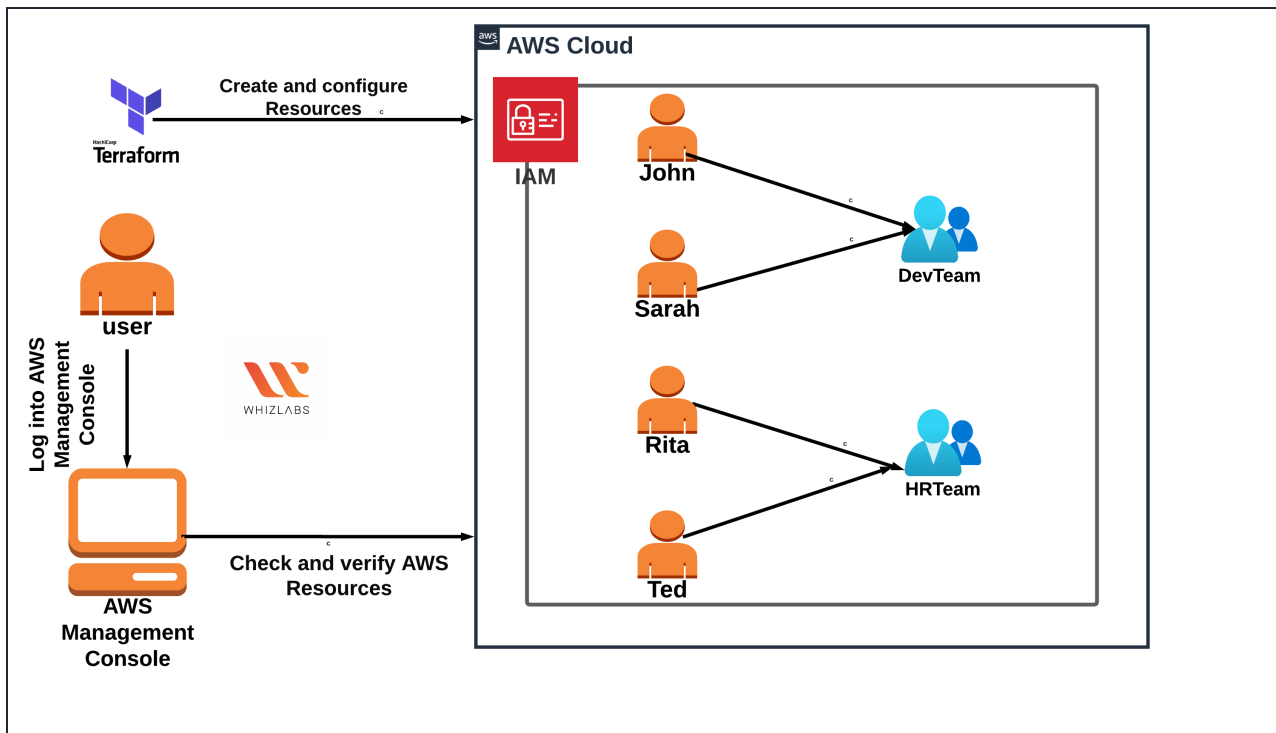
Task Details

1. Sign into AWS Management Console.

2. Setup Visual Studio Code

3. Create a variable file.

4. Create IAM users in main.tf file

5. Create IAM group and add IAM users in main.tf file

6. Create an output file

7. Confirm the installation of Terraform by checking the version.

8. Apply terraform configurations

9. Check the resources in AWS Console

10. Validation of the Lab

11. Delete AWS Resources

Launching Lab Environment

1. To launch the lab environment, Click on the **Start Lab** button.

2. Please wait until the cloud environment is provisioned. It will take less than a minute to provision.

3. Once the Lab is started, you will be provided with **IAM user name**, **Password**, **Access Key**, and **Secret Access Key**.

Note : You can only start one lab at any given time

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