

AWS Terraform

Duration

- 8h

Entry requirements

- Completion of an AWS Basics module or equivalent knowledge
 - Note: You may want to check the contents of the AWS Basics module to confirm whether you are familiar with the concepts presented in this training
- Basic knowledge of any programming language
- Creation of AWS Sandbox account & Initial login to AWS
- Creation of IAM technical user and credentials
- Creation of GitHub account
- Installation of Terraform version 1.7.0

Goals

- Understand **basic** IaC and Terraform concepts
- Learn how to create resources in AWS using Terraform
- Learn how to write custom Terraform modules
- Understand how Terraform can help with deployment of the multi-environment infrastructure
- Learn how to build ECS Fargate infrastructure for simple backend application using Terraform

Program

- Welcome & Sandbox account testing
- Introduction to IaC & Terraform (theory and use cases)
- Local environment setup & Introduction to our application
- First practical experience (hands-on)
 - Creating basic resources using Terraform
 - Remote state bucket
 - Locking and wrapper script
- Second practical experience (hands-on)
 - Creating complete ECS Fargate infrastructure using Terraform
 - Application deployment
- Summary & Questions
- Knowledge quiz

Disclaimers

- This training does not focus on preparation to any Terraform certification
- This training is focused on initial and practical experience of Terraform