Hands-on Infrastructure Automation with Terraform on AWS

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Introduction and overview

Section 1

Alexander Savchuk

- Cloud / DevOps Engineer
- Certified AWS Professional
- Infrastructure as Code, serverless, and containerisation technologies
- github.com/endofcake
- medium.com/@endofcake

Infrastructure as Code with Terraform

- Repeatable and reusable configurations
- Using software development best practices, such as version control, or automated testing and deployment
- Living documentation and audit trail
- Safely iterate over infrastructure

Course overview

What We'll Learn?

Section 1
Introduction and overview

Section 2
Your first deployment with Terraform

Section 3
Modifying resources

Section 4
Building a multi-tier environment

Section 5
Creating reusable components with modules

What We'll Learn?

Section 6

Managing multiple environments

Section 7

Working with Terraform as a team

Pre-requisites

- Experience working with infrastructure (networks, servers, databases)
- Comfortable working with command line (Windows or *nix)
- Basic understanding of AWS is beneficial

Let's Get Started