



1100 XP

Automate cloud resource management

55 min • Module • 7 Units

★★★★☆ 4.6 (67)

Beginner

Administrator

Student

Azure

Learn about how to automate cloud resource management with scripts and infrastructure-as-code tools like Terraform.

In this module you will:

- Learn about how to automate cloud resource management with infrastructure-as-code tools like Terraform
- Explain the concept of Infrastructure-as-Code and enumerate the advantages that it offers over ordinary scripting
- List some of the tools that implement IaC for popular cloud platforms and describe some of the differences between them
- Understand Terraform's role as an infrastructure orchestrator and describe how it differs from a conventional configuration manager

In Partnership with Dr. Majd Sakr and Carnegie Mellon University.

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Prerequisites

- Understand what cloud computing is, including cloud service models, and common cloud providers
- Recognize cloud service models such as IaaS, PaaS, and SaaS and differentiate between them
- Be familiar with different organizational IT cost types like CapEx and OpEx
- Understand how cloud resource provisioning works

This module is part of these learning paths

[Manage cloud resources](#)

Introduction

2 min

What is automation?

3 min

Scripting cloud tasks

12 min

Infrastructure as code

11 min

Infrastructure as code tools

15 min

Terraform

10 min

Summary

2 min