1200 XP

Scale your cloud resources with elasticity

46 min • Module • 7 Units

4.6 (114)

Beginner | Administrator | Student | Azure

Discover what cloud elasticity means and different ways to scale your cloud resources.

In this module you will:

- Describe common load patterns and how they drive the need to scale
- Enumerate the strategies and considerations in scaling cloud applications
- Discuss the advantages of auto-scaling and the mechanisms used to achieve it
- Describe the importance of load balancing in cloud applications and enumerate various methods to achieve it
- List the primary benefits of serverless computing and explain the concept of serverless functions

This content is provided 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
- Understand how cloud resource provisioning works
- Be familiar with different approaches to organizing and managing cloud resources

This module is part of these learning paths

AZ-400: Develop a Site Reliability Engineering (SRE) strategy

Manage cloud resources