



# Introduction to Kubernetes

53 min • Module7 Units

★★★★★ 4.7 (2,968)

Beginner   Developer   Administrator   Solution Architect   Student   Azure   Azure Kubernetes Service (AKS)

Determine the types of business problems that you can solve by using Kubernetes. Describe the benefits of container orchestration with features like deployment management, automatic updates, and self-healing.

## Learning objectives

In this module, you will:

- Describe how Kubernetes supports container orchestration.
- Describe the difference between control planes and nodes.
- Evaluate whether Kubernetes is an appropriate orchestration platform for a given workload.

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## Prerequisites

- Basic concepts of microservice architectures
- Basic understanding of how Docker containers work
- Basic knowledge of how to install software by using a command-line interface

## This module is part of these learning paths

- [Administer containers in Azure](#)
- [Deploy, manage, and monitor Windows containers on Azure Kubernetes Service](#)
- [Introduction to Kubernetes on Azure](#)

- Introduction

2 min
- What is Kubernetes?

7 min
- How Kubernetes works

13 min
- How Kubernetes deployments work

10 min
- Exercise - Explore the functionality of a Kubernetes cluster

15 min
- When to use Kubernetes

4 min
- Summary

2 min