



✓ 900 XP

Implement CI/CD for IoT Edge

54 min • Module8 Units

Intermediate

AI Edge Engineer

Azure IoT Edge

Define a solution for smoke testing for virtual Azure IoT Edge devices. Your solution will employ a CI/CD (continuous integration/continuous deployment) strategy using Azure DevOps and Azure Pipelines on a Kubernetes cluster.

Learning objectives

In this module, you will:

- Create a pipeline that deploys a smoke test using virtual IoT Edge devices

"Produced in partnership with the University of Oxford – Ajit Jaokar, Artificial Intelligence: Cloud and Edge Implementations course."

⊕ Add

Prerequisites

- Basic knowledge of Azure DevOps
- Basic knowledge of CI/CD
- Basic knowledge of IoT Edge
- An active Azure subscription
- A GitHub account

This module is part of these learning paths

[AI edge engineer](#)

Introduction

5 min



Design a CI/CD pipeline for IoT Edge

6 min



How to create a CI pipeline with Azure DevOps

4 min



Exercise - Create a CI pipeline for IoT Edge with Azure DevOps

15 min



How to create a release pipeline with a smoke test

3 min



Exercise - Create a CD release pipeline for IoT Edge with a smoke test

15 min



Knowledge check

4 min



Summary

2 min

