1400 XP

Void detection on Edge devices with Live Video Analytics using own images and video

53 min • Module11 Units

Intermediate   AI Edge Engineer   Azure IoT Hub

Use a Live Video Analytics module on IoT Edge and deploy a Custom Vision machine learning solution to an IoT Edge device. The solution will identify void spaces in shelves. Check that the solution is successfully deployed and test your solution from a web application.

Learning objectives

In this module, you will:

- Use Live Video Analytics to build video analytics solution with Custom Vision
- Deploy a set of modules to an IoT Edge virtual machine using the installer
- Set up an application that uses the virtual device for rapid inference at the edge
- Deploy a solution that will enable you to watch images with defects through a web application

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

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Prerequisites

- An Azure subscription
- Ability to use Azure Cloud Shell
- Basic knowledge of Azure IoT Edge
- Basic knowledge of Custom Vision

- Basic knowledge of Live Video Analytics

This module is part of these learning paths

AI edge engineer

Introduction
2 min

Build the video analytics solution on IoT Edge
5 min

How to deploy IoT Edge device
4 min

Exercise - Deploy an IoT Edge device
12 min

How to install Vision on Edge solution
3 min

Exercise - Install Vision Edge Shell
8 min

How to upload a sample video file to your edge device
2 min

Exercise - Upload a video to your edge device to be processed
6 min

How to deploy your solution
3 min

Exercise - Deploy your solution
6 min

Summary
2 min