

Data AI: Cognitive Services - Vision

WorkshopPLUS

Duration: 3 Days

Focus Area: Business/IT Alignment

Level: 300

This course will provide you with the knowledge to understand the key principles behind the Vision APIs in Cognitive Services which you can leverage to create intelligent applications. Explore how to use Azure Computer Vision APIs to analyze remote and local images for rapid insights. Learn about other services such

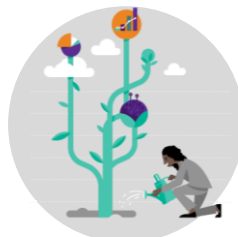
as the Video Indexer and Content moderator and see how they can uncover insights and help protect resources from undesirable content. This workshop is targeted at AI Developers, Software Engineers, Data Scientists, Analysts, Business Analytics Developers, and Data Engineers.

OUTCOMES



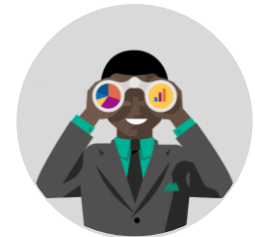
Skills

Gain a comprehensive understanding of the features and capabilities of the Vision APIs in Cognitive Services.



Best Practices

Learn how to develop intelligent applications using Cognitive Services.



Way Forward

Take what you've learned in the classroom and apply it to your existing applications.

PREREQUISITES

Participants that have existing experience developing applications will receive the most value from this course.



Recommended Qualifications

- Experience with C#, Python, Node.JS, or Java
- Experience with Azure
- Experience with Visual Studio or Visual Studio Code

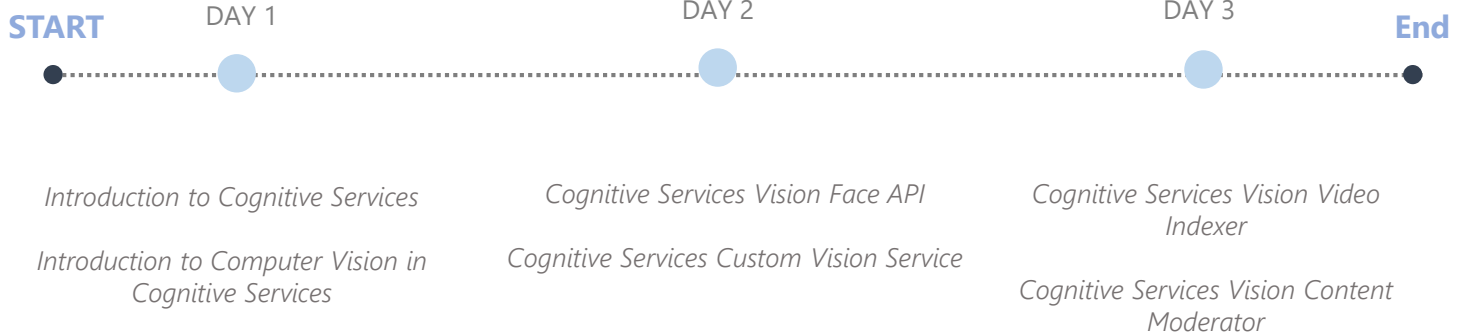


Hardware Requirements

- An Intel Core-i5-based PC
- 4 GB RAM
- 128 GB HDD
- Windows 7 SP1 or later
- Office 2013 Professional Plus
- Internet access with at least 1 Mbps bandwidth per student

AGENDA

Duration: 3 days



SYLLABUS

Module 1: Introduction to Cognitive Services

- Cognitive Services Overview
- Use Cases

Module 2: Introduction to Computer Vision in Cognitive Services

- Computer Vision Overview
- How to use the API
- How to use the SDK
- Computer Vision connected services

Module 3: Cognitive Services Vision Face API

- Face API Overview
- How to use the Face API
- How to use the SDK

Module 4: Cognitive Services Custom Vision Service

- Custom Vision Service Overview
- How to use the Custom Vision Training API
- How to use the Custom Vision Service API
- How to use the SDK

Module 5: Cognitive Services Vision Video Indexer

- Video Indexer Overview
- How to use the API
- Video Indexer Portal

Module 6: Cognitive Services Vision Content Moderator

- Content Moderator Overview
- How to use the API
- Review Tool

NEXT STEPS: If you are interested using cognitive services for your organization, contact your Microsoft Account Representative.