

IC-001T00: Microsoft Cloud for Healthcare

Module 1: Explore Microsoft Cloud for Healthcare

- Lesson 1: Explain Healthcare industry challenges and the 4 main scenarios

Module 2: Plan and deploy Microsoft Cloud for Healthcare (MC4H) -

- Lesson 1: Identify product requirements
- Lesson 2 Deploy via Microsoft Cloud Solution Center

Module 3: Explore the Common Data Model and Microsoft Cloud for Healthcare data model

- Lesson 1: Review the Common Data Model (CDM)
- Lesson 2 Explore the Healthcare data model position and solution layering
- Lesson 3 Customize the Healthcare data model with extension mechanisms

Module 4 Implement Microsoft's Cloud for Healthcare scenarios

- Lesson 1: Implement the Enhanced patient engagement scenario
- Lesson 2 Implement the Empower health team collaboration scenario: intro and objectives
- Lesson 3 Implement the Improve clinical and operational insights scenario
- Lesson 4 Implement the Protect health information scenario

Module 5 Explore Interoperability and Azure Health Data Services (HDS)

- Lesson 1 Explore interoperability and its challenges
- Lesson 2 Describe Azure Health Data Services
- Lesson 3 Describe Azure Health Data Services
- Lesson 4 Implement FHIR

Module 6 Explore medical imaging data and Digital Imaging and Communications in Medicine (DICOM)

- Lesson 1 Review Digital Imaging and Communications in Medicine
- Lesson 2 Explore DICOM Service, Medical Image Server for DICOM, and DICOMcast and their uses
- Lesson 3 Examine use cases for DICOM Service in radiology
- Lesson 4 Work with the DICOM service in Azure Health Data Services

Module 7 Explore ways that multiple Microsoft products work together to enable IoT data collection, FHIR-compliant data, and health workloads in the cloud

- Lesson 1 Review Digital Imaging and Communications in Medicine (DICOM) and its data model
- Lesson 2 Illustrate how IoT data is ingested
- Lesson 3 Examine workflows for use cases
- Lesson 4 Work with medical IoT data using the MedTech service in Azure Health Data Services