

# Dell Integrated System for Microsoft Azure Stack HCI Features and Administration

## Course Description

### Course Duration

2 Days

### Overview

This course introduces learners to the Dell Integrated System for Microsoft Azure Stack HCI systems. It defines the value of Azure Stack HCI and provides an overview of the hardware, software, and management components of the system. Finally, the course walks through common administrative tasks associated with cluster registration, configuration, and lifecycle management.

### Audience

This course is intended for IT professionals who will be working with Dell Integrated System for Microsoft Azure Stack HCI systems. It is also suitable for anyone seeking to gain a fundamental understanding of how Azure Stack HCI functions.

### Prerequisite Knowledge/Skills

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must have an understanding of:

- Ethernet and TCP/IP networking
- Data storage concepts
- Basic operating system management (Windows Server)
- Microsoft Hyper-V
- PowerShell

### Support Contact

[Education Services](#)

### DELL Technologies

1 Dell Way  
Round Rock Texas 78682

### Course Objectives

Upon successful completion of this course, participants should be able to:

- Identify Microsoft Azure Stack HCI solution features, use cases, and Dell integration.
- Identify components of the Microsoft Azure Stack HCI Solution architecture.
- Gain familiarity with Azure Stack HCI administration tools.
- Identify Dell supported Azure Stack HCI network topologies.
- Demonstrate common administrative tasks.
- Locate additional Azure Stack HCI Solution resources.

# Dell Integrated System for Microsoft Azure Stack HCI Features and Administration

## Course Description

### Course Duration

2 Days

### Course Outline

The content of this course is designed to support the course objectives.

- Microsoft Azure Stack HCI Solutions Concepts
  - Microsoft Azure Stack HCI Overview
  - Microsoft Azure Stack HCI features and architecture (high-level)
  - Technical use cases
- Architecture Concepts
  - Microsoft Azure Stack HCI solution architecture
  - Dell Integrated Systems for Microsoft Azure Stack HCI
  - Microsoft Hyper-V
  - Software Defined Storage (SDS)
  - Software Defined Networking (SDN)
- Administration Concepts
  - Microsoft Windows Admin Center (WAC)
  - Dell OpenManage Integration with WAC (OMIMSWAC)
  - Microsoft Azure Arc
  - PowerShell
  - Microsoft Server Manager
  - Failover Cluster Manager
- Networking Concepts
  - Azure Stack HCI Traffic
  - Switch Embedded Teaming
  - Remote Direct Memory Access (RDMA)
  - iWARP and RoCE
  - DCB
  - Network ATC
  - Network Topologies
- Administration Tasks
  - Deploy and manage VMs
  - Manage storage
  - Manage virtual networks
  - Monitor system health and troubleshoot Azure Stack HCI Infrastructure
  - Set alerts, log collection, and forwarding
  - Managing and monitoring solution infrastructure lifecycle management
- Additional Resources
  - Azure Stack HCI Interactive Journey
  - Microsoft HCI Solutions from Dell Info Hub

### Support Contact

[Education Services](#)

### DELL Technologies

1 Dell Way  
Round Rock Texas 78682

# Dell Integrated System for Microsoft Azure Stack HCI Features and Administration

## Course Description

### Course Duration

2 Days

- Dell Integrated System for Microsoft Azure Stack HCI Product Page
- Dell Integrated System for Microsoft Azure Stack HCI GitHub Page
- What's New in Azure Stack HCI
- Azure Stack HCI Solution Overview

This course includes lecture and demonstrations.

### Course Delivery Modes and Product Version Information

Refer to the **Product Version Description** document for a list of Delivery Modes and product versions covered by this course.

*Copyright © 2023 Dell Inc. or its subsidiaries. All Rights Reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be the property of their respective owners. Published in the USA.*

### Support Contact

[Education Services](#)

### DELL Technologies

1 Dell Way  
Round Rock Texas 78682