Course duration

- 3 days

Course Benefits

- Describe the Azure Stack portfolio, including Azure Stack HCI, Azure Stack Hub, and Azure Stack Edge
- Describe the Azure Stack HCI core technologies and management tools.
- Describe the process of a typical Azure Stack HCI implementation.
- Identify Azure Stack HCI hybrid capabilities.
- Implement, manage, and maintain workloads on Azure Stack HCI.
- Plan for and implement Azure Stack HCI Storage, including Storage QoS and Storage Replica.
- Plan for Azure Stack HCI Networking.
- Implement Software Defined Networks in Azure Stack HCI.

Microsoft Certified Partner

Webucator is a Microsoft Certified Partner for Learning Solutions (CPLS). This class uses official Microsoft courseware and will be delivered by a Microsoft Certified Trainer (MCT).

Course Outline

1. Introducing Azure Stack HCI
    1. Overview of Azure Stack HCI
    2. Overview of Azure Stack HCI technologies
    3. Overview of Azure Stack HCI management tools
    4. Overview of the Azure Stack HCI hybrid capabilities
2. Operating and maintaining Azure Stack HCI
    1. Implementing and managing workloads on Azure Stack HCI
    2. Maintaining Azure Stack HCI
    3. Lab: Lab B: Using Windows Admin Center in hybrid scenarios
        1. Integrating hyperconverged infrastructure with Azure services
        2. Reviewing Azure integration functionality
        3. Managing updates to hyperconverged infrastructure
3. Planning for and implementing Azure Stack HCI storage
    1. Overview of Azure Stack HCI Storage core technologies
    2. Planning for Storage Spaces Direct in Azure Stack HCI
    3. Implementing a Storage Spaces Direct-based hyper-converged infrastructure

4. Managing Storage Spaces Direct in Azure Stack HCI
5. Planning for and implementing Storage QoS
6. Planning for and implementing Storage Replica
7. Lab: Implementing a Storage Spaces Direct cluster
    1. Implementing a Storage Spaces Direct cluster by using Windows Admin Center
    2. Implementing an Storage Spaced Direct cluster by using Windows PowerShell
    3. Managing of a Storage Spaces Direct cluster by using Windows Admin Center and Windows PowerShell
    4. Managing and monitoring resiliency of a Storage Spaces Direct cluster
    5. Managing Storage Spaces Direct cluster tiers
    6. Identifying and analyzing metadata of a Storage Spaces Direct cluster (optional)

4. Planning for and implementing Azure Stack HCI networking
    1. Overview of Azure Stack HCI core networking technologies
    2. Overview of network virtualization and Software-Defined Networking
    3. Planning for and implementing Switch Embedded Teaming
    4. Planning for and implementing Datacenter Firewall
    5. Planning for and implementing Software Load Balancing
    6. Planning for and implementing RAS Gateways
    7. Lab: Lab A: Deploying Software-Defined Networking
        1. Deploying Software-Defined Networking by using PowerShell
        2. Managing virtual networks by using Windows Admin Center and PowerShell
        3. Implementing SDN Access Control List by using Windows Admin Center
        4. Implementing SDN Software Load Balancing by using Windos Admin Center and Windows PowerShell

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.