Azure Stack Hub Operator Learning Pathway

www.aka.ms/pathways

Getting started

Candidates for the Azure Stack Hub Operator Associate certification are Azure administrators or Azure Stack Hub operators who provide cloud services to end users or customers from within their own datacentre using Azure Stack Hub.

Their responsibilities are to plan, deploy, package, update, and maintain the Azure Stack Hub infrastructure. They also offer hybrid cloud resources and requested services and manage infrastructure as a service (IaaS) and platform as a service (PaaS).

Provide Services
- Azure Stack Hub Marketplace overview
- Download Marketplace items to Azure Stack Hub
- Create and publish a custom Marketplace item
- Azure Stack Hub Marketplace FAQ
- Azure App Service and Azure Functions on Azure Stack Hub overview
- Capacity planning for App Service server roles
- Deploy App Service in Azure Stack Hub
- Update Azure App Service on Azure Stack Hub
- Add workers and infrastructure in Azure App Service
- Rotate App Service on Azure Stack Hub secrets and certificates
- Back up App Service on Azure Stack Hub
- App Service recovery on Azure Stack Hub

Azure Stack HCI on Microsoft Learn

Looking for content on Azure Stack HCI and want to understand the differences?

Click here

Additional Study

Provide Services - continued
- Event Hubs on Azure Stack Hub operator overview
- How to do capacity planning for Event Hubs
- Prerequisites for installing Event Hubs
- How to install Event Hubs
- How to update an Azure Stack Hub resource provider
- How to rotate secrets for Event Hubs
- Quota types in Azure Stack Hub
- Create a plan in Azure Stack Hub
- Create add-on plans in Azure Stack Hub
- Azure Stack Hub services, plans, offers, subscriptions overview
- Create a service offering for users
- Create subscriptions to offers
- Usage and billing in Azure Stack Hub
- Report Azure Stack Hub usage data to Azure
- Usage reporting infrastructure for Cloud Solution Providers
- Provider resource usage API
- Tenant resource usage API reference
- Manage usage and billing for Azure Stack Hub as a Cloud Solution Provider
- Add tenant for usage and billing
- Register tenants for usage tracking

Implement Data Center Integration
- Azure Stack Hub datacenter DNS integration
- Update the DNS forwarder in Azure Stack Hub
- Network integration planning for Azure Stack
- Border connectivity
- Azure Stack Hub firewall integration
- Publish Azure Stack Hub services in your datacentre
- Validate AD FS integration
- Validate graph integration
- Validate Azure identity
- Azure Stack Hub public key infrastructure (PKI) certificate requirements
- Generate certificate signing requests
- Prepare Azure Stack Hub PKI certificates for deployment or rotation
- Validate Azure Stack Hub PKI certificates
- Rotate secrets in Azure Stack Hub

Implement Data Center Integration - continued
- Datacenter integration planning considerations for Azure Stack Hub integrated systems
- Azure Stack Hub integrated systems connection models
- Register Azure Stack Hub with Azure
- Azure disconnected deployment planning decisions for Azure Stack Hub integrated systems

Manage Identity and Access
- Overview of identity providers
- Identity architecture for Azure Stack Hub
- Set access permissions using role-based access control
- Use an app identity to access Azure Stack Hub resources
- Tutorial: Create an Azure custom role using Azure PowerShell

Manage Infrastructure
- Monitor health and alerts in Azure Stack Hub
- Monitor Azure Stack Hub hardware components
- Integrate external monitoring solutions
- Diagnostic log collection
- Scale unit node actions in Azure Stack Hub
- Replace a scale unit node on an Azure Stack Hub integrated system
- Replace a physical disk in Azure Stack Hub
- Replace a hardware component on an Azure Stack Hub scale unit node
- Azure Stack Hub help and support
- Integrate Azure Stack Hub with monitoring solutions using syslog forwarding
- Send Azure Stack Hub diagnostic logs by using the privileged endpoint (PEP)
- Infrastructure Backup Service best practices
- Replicate Azure Stack VMs to Azure
- Azure Site Recovery failback tool
- Back up files and applications on Azure Stack
- Recover from catastrophic data loss
- Infrastructure Backup Service reference
- Enable backup for Azure Stack Hub from the administrator portal

Manage Infrastructure -continued
- Enable Backup for Azure Stack Hub with PowerShell
- Back up Azure Stack Hub
- Capacity planning for Azure Stack Hub overview
- Azure Stack Hub compute capacity
- Azure Stack Hub storage capacity planning
- Azure Stack Hub storage infrastructure overview
- Azure Stack Hub Capacity Planner
- Graphics processing unit (GPU) virtual machine (VM) on Azure Stack Hub
- Add additional scale unit nodes in Azure Stack Hub

- Manage storage capacity
- Manage storage infrastructure
- Add public IP addresses
- Manage updates in Azure Stack Hub
- Azure Stack Hub servicing policy
- Install Azure Stack Hub Updates
- Apply Azure Stack Hub original equipment manufacturer (OEM) updates
- Identity architecture for Azure Stack Hub
- Use the privileged endpoint in Azure Stack Hub
- Azure Stack Hub privileged endpoint reference
- New-CloudAdminUser

Role Based Certification
Azure Stack Hub Operator

Exam: AZ-600 Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub

Skills measured
- Plan and deploy Azure Stack Hub (30-35%)
- Provide services (20-25%)
- Manage infrastructure (40-45%)

Microsoft Learn
- Overview of Azure Stack Hub
- Provide services for Azure Stack Hub
- Implement Data Center Integration for Azure Stack Hub
- Manage Identity and Access for Azure Stack Hub
- Manage Infrastructure for Azure Stack Hub

Course Page

Practice Test

Exam Page

Exam Study Guide

Azure Stack Hub – Documentation/Reference