



Enterprise Computing Solutions - Education Services

## NABÍDKA ŠKOLENÍ

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**Prosím kontaktujte nás zde**

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# Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub

<b>Kód:</b>	<b>DÉLKA:</b>	<b>CENA:</b>
MCS_AZ-600T00	32 Hours (4 dni)	Kč 62,500.00

## Description

This course teaches Azure administrators and Azure Stack Hub operators how to plan, deploy, package, update, and maintain the Azure Stack Hub infrastructure. Lessons include deploying Azure Stack Hub, managing the Azure Stack Hub Marketplace, offering App Services and Event Hub resource providers, managing Azure Stack Hub registration, and maintaining system health.

## Cíle

- Prepare for Azure Stack Hub deployment
- Manage infrastructure certificates for Azure Stack Hub
- Manage Azure Stack Hub registration
- Configure an Azure Stack Hub home directory
- Provision a service principal for Azure Stack Hub
- Recommend a business continuity disaster recovery (BCDR) strategy
- Manage Azure Stack Hub by using privileged endpoints
- Manage Azure Stack Hub Marketplace
- Offer App Services and Event Hub resource providers
- Manage usage and billing

## Určeno pro

Students for AZ-600: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub are interested in becoming Azure Stack Hub operators who provide cloud services to end users or customers from within their own datacenter using Azure Stack Hub. Azure Stack Hub operators responsibilities include planning, deploying, packaging, updating, and maintaining 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).

Job role: Administrator Preparation for exam: AZ-600 Features: none

## Vstupní znalosti

Successful Azure Stack Hub students have prior experience with operating systems, virtualization, cloud infrastructure, storage structures, and networking:

- Understanding of on-premises virtualization technologies, including VMs and virtual networking
- Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies
- Understanding of Active Directory concepts, including domains, forests, and domain controllers

If you are new to Azure and cloud computing, consider one of the following resources:

Instructor-led course: AZ-900: Azure Fundamentals

## Program

Module 1:

Overview of Azure Stack Hub

In this module, you will learn how Azure Stack Hub is an extension of Azure that provides a way to run apps in an on-premises environment and deliver Azure services in your datacenter.

Azure Stack Hub  
Datacenter integration  
Azure Stack Hub PowerShell  
Module review questions

Lessons After completing this module, students will be able to:

Describe edge and disconnected solutions  
Describe Azure Stack Hub integrated systems architecture  
Explain Azure Stack Hub deployment options

Define differences between Azure Stack Hub, Azure Stack HCI, and global Azure Provide Services

In this module, you will learn how to populate Azure Stack Hub Marketplace in a disconnected environment, deploy an App Services resource provider, deploy Event Hubs resource provides, create and manage quotas, plans, offers, and subscriptions, and manage usage and billing.

Manage Azure Stack Hub Marketplace  
Offer an App Services resource provider  
Offer an Event Hubs resource provider  
Offer services  
Manage usage and billing  
Module review questions

#### Module 2:

Lessons Lab : Manage offers and plans in Azure Stack Hub

Lab : Add custom Marketplace Items by using the Azure Gallery Packager

Lab : Optional Lab: Implement SQL Server Resource Provider in Azure Stack Hub

Lab : Validate Azure Resource Manager (ARM) Templates with Azure Stack Hub

Create a custom Azure Stack Hub Marketplace item  
Deploy and update an App Services resource provider  
Plan an Event Hubs resource provider deployment  
Create and manage user subscriptions

After completing this module, students will be able to: Manage usage and billing in multi-tenant and CSP scenarios

#### Module 3:

Implement Data Center Integration

In this module, you will learn how prepare an Stack Hub deployment, recommend and validate certificates, and register in a connected and disconnected environment.

Prepare for Azure Stack Hub deployment  
Manage Azure Stack Hub registration  
Module review questions  
View and retrieve usage data by using the Usage API  
Recommend a name resolution strategy  
Validate identity provider integration  
Validate certificates

Lessons After completing this module, students will be able to: Recommend a registration mode

#### Module 4:

Manage Identity and Access for Azure Stack Hub

In this module, you will learn how to configure the Azure Stack Hub home directory, register the guest tenant directory with Azure Stack Hub, and identify an appropriate method for access (service principal, users, groups).

Manage multi-tenancy  
Manage access  
Module review questions

Lessons Lab : Manage Service Principals in Azure Stack Hub Lab : Delegate Offer Management in Azure Stack Hub

Register the guest tenant directory with Azure Stack Hub  
Update the guest tenant directory  
Configure access in Azure Stack Hub

After completing this module, students will be able to: Create a custom role

#### Module 5:

Manage the Azure Stack Hub Infrastructure

In this module, you will learn how monitor system health by using the REST API, monitor system health by using Syslog Server, collect diagnostic logs on demand by using Powershell, configure a storage target for infrastructure backup, and download and import update packages manually.

Manage system health  
Azure Monitor on Azure Stack Hub  
Plan and configure business continuity and disaster recovery  
Manage capacity  
Update infrastructure  
Manage Azure Stack Hub by using privileged endpoints  
Module review questions

Lessons Lab : Connect to Azure Stack Hub via PowerShell

Lab : Access the Privileged Endpoint in Azure Stack Hub

Lab : Configure and manage Azure Stack Hub Storage Accounts Lab : Manage Public IP Addresses in Azure Stack Hub

Lab : Configure Azure Stack Hub Infrastructure Backup Lab : Manage Log Collection in Azure Stack Hub

- Include resource providers such as Event Hubs
- Manage field replacement or repair
- Configure storage targets for infrastructure backups
- Update Azure Stack Hub
- Unlock a support session
- Connect to a privileged endpoint

After completing this module, students will be able to: Perform system diagnostics by using Test-AzureStack

## **Termíny školení**

Termíny školení na vyžádání, kontaktujte nás prosím

## **Dodatečné informace**

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)