Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub

Kód:	DÉLKA:	CENA:
MCS_AZ-600T00	32 Hours (4 DENNÍ)	Kč bez DPH 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 Module 2:
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
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.
View and retrieve usage data by using the Usage API
Prepare for Azure Stack Hub deployment Recommend a name resolution strategy
Manage Azure Stack Hub registration Validate identity provider integration
Module review questions 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.