



AZ-600^{Q&As}

Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub

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**QUESTION 1****HOTSPOT**

You have an Azure Stack Hub integrated system that has 10 user subscriptions. Each subscription contains approximately 50 virtual machines.

You are planning a backup and restore strategy for the integrated system.

You need to identify which type of backup to use to back up specific resources.

What should you identify for each resource? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Role-based access control (RBAC)
permissions and roles:

	▼
Azure Resource Manager template export	
Infrastructure backup	
Virtual machine backup	

Operating system disks:

	▼
Azure Resource Manager template export	
Infrastructure backup	
Virtual machine backup	

Storage quotas:

	▼
Azure Resource Manager template export	
Infrastructure backup	
Virtual machine backup	

Correct Answer:



Answer Area

Role-based access control (RBAC) permissions and roles:

	▼
Azure Resource Manager template export	
Infrastructure backup	
Virtual machine backup	

Operating system disks:

	▼
Azure Resource Manager template export	
Infrastructure backup	
Virtual machine backup	

Storage quotas:

	▼
Azure Resource Manager template export	
Infrastructure backup	
Virtual machine backup	

Reference: <https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-backup-enable-backup-console?view=azs-2008>

QUESTION 2

You need to create User2. The solution must support the planned changes. What should you use?

- A. the tenant portal
- B. Azure Stack Hub Administrator Resource Management Endpoint
- C. HLH
- D. ASZ-ERCS01

Correct Answer: A

Create a new cloudadmin user named User2.

Add a new Azure Stack Hub user account in Azure Active Directory (Azure AD)

Before you can test offers and plans and create resources, you'll need a user account for the Azure Stack Hub user portal. You create a user account in your Azure AD tenant, by using the Azure portal or PowerShell.

Reference:

<https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-add-new-user-aad>

QUESTION 3



You have an Azure Stack Hub integrated system.

The security department at your company wants a list of all the users who can manage the integrated system from the privileged endpoint (PEP).

You need to create the list.

Solution: You connect to the administrator portal and view the users who are assigned the Owner role for the default provider subscription.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/azure-stack/reference/pep-2002/get-cloudadminuserlist>

QUESTION 4

DRAG DROP

You have an Azure Stack Hub integrated system.

You need to delegate the management of offers to a user named User1.

Which three actions should you perform in a sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions**

From the administrator portal, create a subscription

From the administrator portal, create a plan that contains a subscription service and an offer based on the plan

From the administrator portal, create a plan and a delegated offer based on the plan

From the user portal, create a subscription

From the delegated provider user portal, sign up for the offer

Answer Area

Correct Answer:

Actions

From the user portal, create a subscription

From the delegated provider user portal, sign up for the offer

Answer Area

From the administrator portal, create a plan that contains a subscription service and an offer based on the plan

From the administrator portal, create a subscription

From the administrator portal, create a plan and a delegated offer based on the plan

Reference: <https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-delegated-provider?view=azs-2008>**QUESTION 5**



HOTSPOT

You have an Active Directory federation Services (AD FS) deployment.

You plan to deploy a disconnected Azure Stack Hub integrated system.

You install the Azure Stack Hub Readiness Checker tool.

You need to validate that the AD FS deployment can be used to manage role-based access control (RBAC) roles in Azure Stack Hub.

how should you complete the command? To answer, select the appropriate options m the answer area

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Invoke-AzADFSValidation	-CustomADFSFederationMetadataEndpointUri https://adfs.contoso.com/FederationMetadata/2007-06/FederationMetadata.xml
Invoke-AzADFSValidation	-AADDirectoryTenantName contoso.onmicrosoft.com
Invoke-AzAzureIdentityValidation	-CustomADFSFederationMetadataEndpointUri https://adfs.contoso.com/FederationMetadata/2007-06/FederationMetadata.xml
Invoke-AzGraphValidation	-ForestFQDN contoso.com -Credential (Get-Credential)

Correct Answer:

Answer Area

Invoke-AzADFSValidation	-CustomADFSFederationMetadataEndpointUri https://adfs.contoso.com/FederationMetadata/2007-06/FederationMetadata.xml
Invoke-AzADFSValidation	-AADDirectoryTenantName contoso.onmicrosoft.com
Invoke-AzAzureIdentityValidation	-CustomADFSFederationMetadataEndpointUri https://adfs.contoso.com/FederationMetadata/2007-06/FederationMetadata.xml
Invoke-AzGraphValidation	-ForestFQDN contoso.com -Credential (Get-Credential)

Answer Area

Invoke-AzADFSValidation	-CustomADFSFederationMetadataEndpointUri https://adfs.contoso.com/FederationMetadata/2007-06/FederationMetadata.xml
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QUESTION 6

HOTSPOT

You have a disconnected Azure Stack Hub integrated system that will be used in production.

You need to obtain a token to register the integrated system.

How should you complete the PowerShell script? To answer, select the appropriate options in the answer area

NOTE: Each correct selection is worth one point.

Hot Area:




```
$FilePathForRegistrationToken = "$env:SystemDrive\RegistrationToken.txt"
$RegistrationToken = Get-AzsRegistrationToken -PrivilegedEndpointCredential
$YourCloudAdminCredential -UsageReportingEnabled -PrivilegedEndpoint
$YourPrivilegedEndpoint -BillingModel Capacity -AgreementNumber "CPA agreement numbers" -TokenOutputFilePath $FilePathForRegis
```



Correct Answer:

```
$FilePathForRegistrationToken = "$env:SystemDrive\RegistrationToken.txt"
$RegistrationToken = Get-AzsRegistrationToken -PrivilegedEndpointCredential
$YourCloudAdminCredential -UsageReportingEnabled -PrivilegedEndpoint
$YourPrivilegedEndpoint -BillingModel Capacity -AgreementNumber "CPA agreement numbers" -TokenOutputFilePath $FilePathForRegis
```



Box 1: \$false

Get-AzsRegistrationToken generates a registration token from the input parameters.

Parameter: UsageReportingEnabled True/False

Azure Stack Hub reports usage metrics by default. Operators with capacity uses or supporting a disconnected environment need to turn off usage reporting. Allowed values for this parameter are: True, False.

Box 2: Capacity

BillingModel String

The billing model that your subscription uses. Allowed values for this parameter are:

Capacity, PayAsYouUse, and Development.

With a disconnected deployment, you'll be limited to an Active Directory Federation Services (AD FS) identity store and the capacity-based billing model.

QUESTION 7

You need to configure the log forwarding. The solution must meet the Azure Stack Hub requirements. What should you do?

- A. Connect to 192.168.101.101 and run the Set-EventLogLevel and Add-AzLogProfile cmdlets.
- B. Connect to 192.168.100.224 and run the Set-SyslogServer and Set-SyslogClient cmdlets.
- C. Connect to 192.168.100.224 and run the Set-EventLogLevel and Add-AzLogProfile cmdlets.
- D. Connect to 192.168.101.101 and run the Set-SyslogServer and Set-SyslogClient cmdlets.



Correct Answer: D

Integrate Azure Stack Hub with monitoring solutions using syslog forwarding The syslog channel exposes audits, alerts, and security logs from all the components of the Azure Stack Hub infrastructure. Use syslog forwarding to integrate with security monitoring solutions and to retrieve all audits, alerts, and security logs to store them for retention. Cmdlets to configure syslog forwarding Configuring syslog forwarding requires access to the privileged endpoint (PEP). Two PowerShell cmdlets have been added to the PEP to configure the syslog forwarding: ### cmdlet to pass the syslog server information to the client and to configure the transport protocol, the encryption and the authentication between the client and the server Set-SyslogServer [-ServerName] [-ServerPort] [-NoEncryption] [-SkipCertificateCheck] [-SkipCNCheck] [-UseUDP] [-Remove]### cmdlet to configure the certificate for the syslog client to authenticate with the server Set-SyslogClient [-pfxBinary] [-CertPassword]

Reference: <https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-integrate-security>

QUESTION 8

HOTSPOT

You have an Azure Stack Hub integrated system that is disconnected from the Internet. The integrated system is registered to an Azure Active Directory (Azure AD) tenant named contoso.com.

You need to download the latest Ubuntu image for Azure Stack Hub Marketplace.

How should you complete the PowerShell script? To answer, drag the appropriate cmdlets to the correct targets. Each cmdlet may be used once, more than once, or not at all. You may need to drag and split the bar between panes to scroll to

view content.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

	▼	-Environment AzureCloud -Tenant 'contoso.com'
Add-AzureRmEnvironment		
Connect-AzureRmAccount		
Select-AzureRmContext		
Set-AzureRmEnvironment		

Install-Module -Name

▼
Azs.AzureBridge.Admin
Azs.Commerce.Admin
Azs.Gallery.Admin
Azs.Syndication.Admin

\$MarketplaceItems =

▼
Add-AzsGalleryItem
Export-AzsMarketplaceItem
Import-AzsMarketplaceItem
Select-AzsMarketplaceItem

\$MarketplaceItems |

▼
Add-AzsGalleryItem
Export-AzsMarketplaceItem
Import-AzsMarketplaceItem
Select-AzsMarketplaceItem

-RepositoryDir "D:\MarketplaceItems"

Correct Answer:

Answer Area

▼	-Environment AzureCloud -Tenant 'contoso.com'
Add-AzureRmEnvironment	
Connect-AzureRmAccount	
Select-AzureRmContext	
Set-AzureRmEnvironment	

Install-Module -Name

▼
Azs.AzureBridge.Admin
Azs.Commerce.Admin
Azs.Gallery.Admin
Azs.Syndication.Admin

\$MarketplaceItems =

▼
Add-AzsGalleryItem
Export-AzsMarketplaceItem
Import-AzsMarketplaceItem
Select-AzsMarketplaceItem

\$MarketplaceItems |

▼
Add-AzsGalleryItem
Export-AzsMarketplaceItem
Import-AzsMarketplaceItem
Select-AzsMarketplaceItem

-RepositoryDir "D:\MarketplaceItems"

Reference: <https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-download-azure-marketplace-item?view=azs-2008&tabs=az1%2Caz2&pivots=state-disconnected>

**QUESTION 9**

You have an Azure Stack Hub integrated system.

You are an operator, and you have read access to a user subscription named Fabrikam1.

Users in Fabrikam1 request help creating a custom role-based access control (RBAC) role based on an existing built-in Azure role.

You connect to the Azure subscription, create the respective role definition, and save the role definition as a JSON file.

Which three actions should you perform to create the custom role? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Request owner access to the user subscription.
- B. Modify the custom role definition to include the target subscription ID as an AssignableScope, set the IsCustom field to true, and set Id to Null.
- C. Connect to the administrator management endpoint and run the New-AzureRmRoleDefinition cmdlet.
- D. Connect to the user management endpoint and run the New-AzureRmRoleDefinition cmdlet.
- E. Modify the custom role definition to include the target default provider subscription ID as an AssignableScope, set the IsCustom field to true, and set Id to Null.

Correct Answer: ABD

Reference: <https://docs.microsoft.com/en-us/azure/role-based-access-control/tutorial-custom-role-powershell>

QUESTION 10**DRAG DROP**

You have an Azure Stack Hub integrated system.

You install the Azure Gallery Packager (.azpkg) tool on a management workstation.

You need to define a custom Azure Stack Hub Marketplace item that will provision a virtual machine from a base image.

Which file should you configure for each requirement? To answer, drag the appropriate files to the correct requirements.

Each file may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:



Files

CreateUIDdefinition.js

Manifest.json

UIDefinition.json

Answer Area

To specify the name, version, category, and icons of the Marketplace item:

To specify the publisher, SKU, offer, and version of the virtual machine image:

Correct Answer:

Files

CreateUIDdefinition.js

Answer Area

To specify the name, version, category, and icons of the Marketplace item:

To specify the publisher, SKU, offer, and version of the virtual machine image:

**QUESTION 11**

You have a datacenter that hosts a Linux-based NTP server named `ntp.contoso.com`. The server has an IP address of `10.1.1.10`.

You plan to deploy an Azure Stack Hub integrated system.

You need to configure the NTP server entry for the integrated system.

What should you use?

- A. `10.1.1.10`
- B. `ntp.contoso.com`
- C. `10.1.1.10.0x8`
- D. `ntp.contoso.com.0x4`

Correct Answer: B

QUESTION 12

You have an Azure Stack Hub integrated system and an offer to which users can subscribe.

You need to prevent users and operators from creating new user subscriptions based on the offer without affecting the existing user subscriptions.

What should you do?

- A. Change the offer state to Private.
- B. Change the offer state to Decommissioned.
- C. Change the offer state to Public.
- D. Delete the offer and create a new private offer.

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-create-offer?view=azs->

QUESTION 13

You have an Azure Stack Hub integrated system that connects to the Internet.

You need to enable multitenant billing.

What should you do first?

- A. Generate a service principal to connect the Azure Billing API to Azure Commerce
- B. Run the `New-AzResource cmdlet`



C. Create a blob storage account named AzSCommerceStaging that stores CSV usage metadata before you send the metadata to Azure Commerce

D. Email the registration subscription ID, resource group name, and registration name to azstcsp@microsoft.com

Correct Answer: D

Reference:

<https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-csp-howto-register-tenants?view=azs-2008andtabs=az>

QUESTION 14

DRAG DROP

You have an Azure Stack Hub integrated system linked to an Azure AD tenant named contoso.onmicrosoft.com.

You need to allow users in an Azure AD tenant named adatum.onmicrosoft.com to access Azure Stack Hub resources.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Answer Area

Forward the registration link to a global administrator of the adatum.onmicrosoft.com tenant.

From the Directories blade of the administrator portal, add adatum.onmicrosoft.com as a guest directory.

From the Directories blade of the administrator portal, select **Register**.

From the Directories blade of the administrator portal, select **Update**.



Correct Answer:

**Actions**

From the Directories blade of the administrator portal, select **Update**.

Answer Area

From the Directories blade of the administrator portal, add adatum.onmicrosoft.com as a guest directory.

>

From the Directories blade of the administrator portal, select **Register**.

<

Forward the registration link to a global administrator of the adatum.onmicrosoft.com tenant.

Register a guest directory

To register a guest directory for multi-tenancy, you need to configure both the home Azure Stack Hub directory and the guest directory.

Configure Azure Stack Hub directory

The first step is to make your Azure Stack Hub system aware of the guest directory. In this example, the directory from Mary's company, Adatum, is called adatum.onmicrosoft.com.

1.

Sign in to the Azure Stack Hub administrator portal and go to All services - Directories.

2.

Select Add to start the onboarding process. Enter the guest directory name "adatum.onmicrosoft.com", and then select Add. (Step 1)

3.

The guest directory appears in the list view, with a status of unregistered.

4.

Only Mary has the credentials to authenticate to the guest directory, so you must send her the link to complete the registration. Select the adatum.onmicrosoft.com checkbox, and then select Register. (Step 2)

5.

A new browser tab opens. Select Copy link at the bottom of the page, and provide it to Mary. (Step 3)

6.

If you have the credentials for the guest directory, you can complete the registration yourself by selecting Sign in.

QUESTION 15

You plan to install an update to an Azure Stack Hub integrated system.



You need to verify whether the integrated system is healthy, and whether you can apply the update. You must achieve the goal as quickly as possible.

Solution: From the administrator management endpoint, you run Test-AzureStack-Group "Default".

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Correct: Solution: From a privileged endpoint (PEP) session, you run Test-AzureStack group "UpdateReadiness".

Use a privileged endpoint (PEP) session and Test-AzureStack with UpdateReadiness.

Note:

Running the validation tool and accessing results You can use the PEP to run the validation tool. The tool can take a while to run. The length of the time depends on the number of virtual machines in your system. Each test returns a PASS/

FAIL status in the PowerShell window.

Here's an outline of the end-to-end validation testing process:

1.

Establish the trust. On an integrated system, run the following command from an elevated Windows PowerShell session to add the PEP as a trusted host on the hardened VM running on the hardware lifecycle host or the Privileged Access Workstation.

2.

Access the PEP.

3.

Once you're in the PEP, run:

Test-AzureStack

Groups

To improve the operator experience, a Group parameter has been enabled to run multiple test categories at the same time. Currently, there are three groups defined: Default, UpdateReadiness, and SecretRotationReadiness.

UpdateReadiness: A check to see if the Azure Stack Hub instance can be updated. When the UpdateReadiness group is run, warnings are displayed as errors in the console output, and they should be considered as blockers for the update.

Reference:

<https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-diagnostic-test?view=azs-2008>



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