

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 30 storage accounts. Deleted storage accounts are purged automatically after seven days.

One of the user subscriptions has 10 storage accounts that are no longer used. The storage accounts contain a large amount of data.

You need to delete the unused storage accounts. The solution must increase the amount of available disk space in the integrated system as soon as possible.

Which two actions should you perform in the administrator portal and the user portal? To answer, drag the appropriate actions to the correct portals. Each action 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.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Administrator portal:

	▼
Select Reclaim space	
Delete the storage accounts	
Decrease the storage quotas for the subscriptions	
Increase the storage quotas for the subscriptions	

User portal:

	▼
Select Reclaim space	
Delete the storage accounts	
Decrease the storage quotas for the subscriptions	
Increase the storage quotas for the subscriptions	

Correct Answer:

Answer Area

Administrator portal:

	▼
Select Reclaim space	
Delete the storage accounts	
Decrease the storage quotas for the subscriptions	
Increase the storage quotas for the subscriptions	

User portal:

	▼
Select Reclaim space	
Delete the storage accounts	
Decrease the storage quotas for the subscriptions	
Increase the storage quotas for the subscriptions	

Reference: <https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-manage-storage-accounts?view=azs-2008>

QUESTION 2

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 "UpdateReadiness".

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Reference:

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

QUESTION 3

HOTSPOT

You have a connected Azure Stack Hub integrated system that uses Active Directory Federation Services (AD FS) as the identity provider.

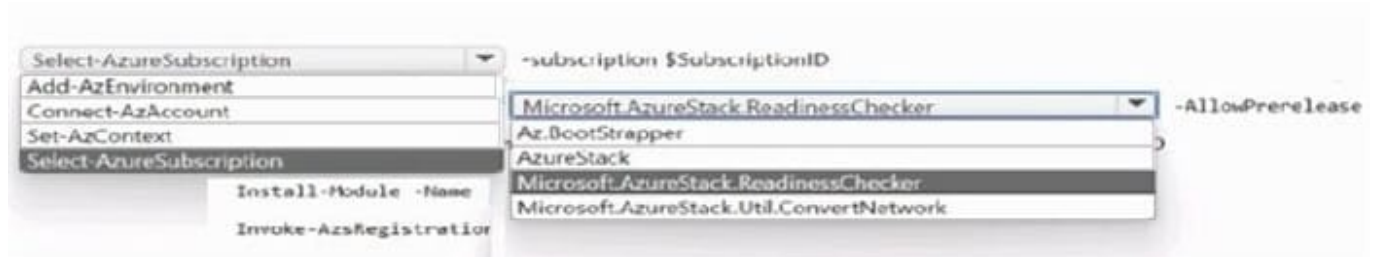
You open a PowerShell session and store the GUID of an Azure subscription in a variable named \$SubscriptionID.

You need to validate the AD FS integration.

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

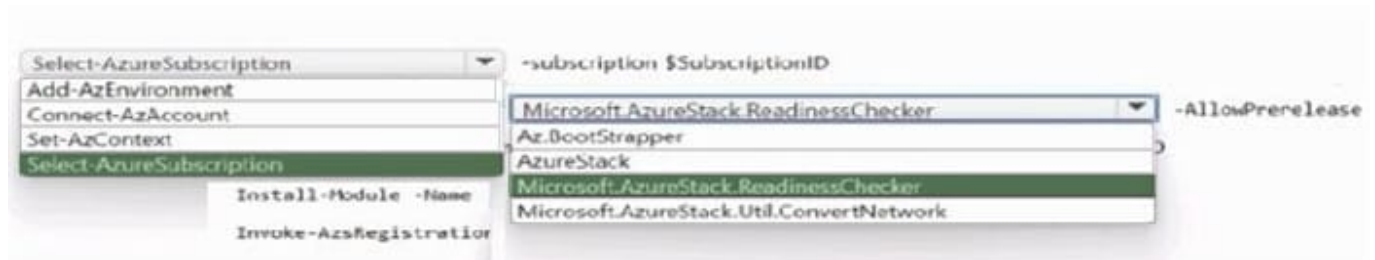
NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:

Box 1: Connect-AzAccount Steps to validate the Azure registration



1.

Open an elevated PowerShell prompt, and then run the following command to install AzsReadinessChecker:

```
Install-Module -Name Az.BootStrapper -Force -AllowPrerelease Install-AzProfile -Profile 2020-09-01-hybrid -Force
Install-Module -Name Microsoft.AzureStack.ReadinessChecker
```

2.

From the PowerShell prompt, run the following command to set \$subscriptionID as the Azure subscription to use. Replace xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx with your own subscription ID: \$subscriptionID = "xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"

3.

From the PowerShell prompt, run the following command: Connect-AzAccount -subscription \$subscriptionID

4.

From the PowerShell prompt, run the following command to start validation of your subscription. Provide your Azure AD administrator and your Azure AD tenant name: Invoke-AzsRegistrationValidation -RegistrationSubscriptionID \$subscriptionID

Validate AD FS integration

1.

On a computer that meets the prerequisites, open an administrative PowerShell prompt and then run the following command to install AzsReadinessChecker: `Install-Module Microsoft.AzureStack.ReadinessChecker -Force -AllowPrerelease`

2.

From the PowerShell prompt, run the following command to start validation. Specify the value for `-CustomADFSFederationMetadataEndpointUri` as the URI for the federation metadata. `Invoke-AzsADFSValidation -CustomADFSFederationMetadataEndpointUri https://ads.contoso.com`

QUESTION 4

You plan to deploy an Azure Stack Hub integrated system that will be disconnected from the internet. The integrated system region name is `region1`, and the external domain is name is `contoso.local`. You need to ensure that the generated certificate signing request (CSR) has the correct subjects and subject alternative names (SAN).

Which name must you include in the CSR?

- A. `graph.region1.contoso.local`
- B. `graph.local.azurestack.external`
- C. `*.hosting.region1.azurestack.local`
- D. `*.adminhosting.region 1.azurestack.local`

Correct Answer: D

You can deploy and use Azure Stack Hub without a connection to the internet. However, with a disconnected deployment, you're limited to an Active Directory Federation Services (AD FS) identity store and the capacity-based billing model. Because multitenancy requires the use of Azure Active Directory (Azure AD), multitenancy isn't supported for disconnected deployments.

The implementation of Extension Host requires two wildcard SSL certificates, one for the Admin portal and one for the Tenant portal.

Note: Certificate requirements

The extension host implements two new domain namespaces to guarantee unique host entries for each portal extension. The new domain namespaces require two additional wildcard certificates to ensure secure communication.

The table shows the new namespaces and the associated certificates:

Deployment Folder	Required certificate subject and subject alternative names (SAN)	Scope (per region)	Subdomain namespace
Admin extension host	*.adminhosting.<region>.<fqdn> (Wildcard SSL Certificates)	Admin extension host	adminhosting.<region>.<fqdn>
Public extension host	*.hosting.<region>.<fqdn> (Wildcard SSL Certificates)	Public extension host	hosting.<region>.<fqdn>

Table

Example:

```
$regionName = \\east\\ # The region name for your Azure Stack Hub deployment
$externalFQDN = \\azurestack.contoso.com\\ # The external FQDN for your Azure Stack Hub deployment
```

Starting Certificate Request Process for Deployment CSR generating for following SAN(s):

```
*.adminhosting.east.azurestack.contoso.com,*.adminvault.east.azurestack.contoso.com,*.blob.east.azurestack.contoso.com,*.hosting.east.azurestack.contoso.com,*.queue.east.azurestack.contoso.com,*.table.east.azurestack.contoso.com,*.vault.east.azurestack.contoso.com,adminmanagement.east.azurestack.contoso.com,adminportal.east.azurestack.contoso.com,management.east.azurestack.contoso.com,portal.east.azurestack.contoso.com
```

```
Present this CSR to your Certificate Authority for Certificate Generation:
```

Present this CSR to your Certificate Authority for Certificate Generation:

```
C:\Users\username\Documents\AzureStackCSR\Deployment_east_azurestack_contoso_com_SingleCSR_CertRequest_20200710165538.req
```

Certreq.exe output: CertReq: Request Created

Reference:

<https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-disconnected-deployment>

<https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-extension-host-prepare>

<https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-get-pki-certs>

QUESTION 5

You have an Azure Stack Hub integrated system that is not yet in production and has no workloads running.

You configure the Infrastructure Backup Service, and you complete a backup.

You need to recommend a method to verify the restore process once the integrated system is in production.

What should you recommend?

- A. From the administrator portal, restore the domain controller backup to the default provider subscription and ensure that the domain controller starts successfully.
- B. Run Get-FileIntegrity against the infrastructure backup data files stored in the file share.
- C. Install the Azure Stack Development Kit (ASDK) and select the infrastructure backup data as the configuration during the installation.
- D. Instruct the IT team to redeploy the integrated system in restore mode by using the backup data.

Correct Answer: C

Reference: <https://docs.microsoft.com/en-us/azure-stack/asdk/asdk-validate-backup?view=azs-2102>

QUESTION 6

You deploy a disconnected Azure Stack Hub integrated system.

You need to identify the IP address of the privileged endpoint (PEP).

Solution: From the administrator portal of Azure Stack Hub, you review the Region management blade.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Instead: Solution: You run the nslookup AzS-ERCS01.azurestack.local command.

Note: nslookup is a network administration command-line tool for querying the Domain Name System to obtain the mapping between domain name and IP address, or other DNS records.

ASDK architecture, Virtual machine roles

The ASDK offers services using the following VMs hosted on the development kit host computer:

* AzS-ERCS01 - Emergency Recovery Console VM.

Reference:

<https://docs.microsoft.com/en-us/azure-stack/asdk/asdk-architecture?view=azs-2008>

QUESTION 7

You have an Azure Stack Hub integrated system.

You plan to deploy an Event Hubs resource provider that has the following requirements:

Provides a 1 CU Azure Event Hubs cluster that requires a cluster of 5x D11_V2 virtual machines

Scales linearly as additional CUs are deployed

At a minimum, which other management resources are required for the Event Hubs resource provider?

- A. a cluster of 1x D2_V2 virtual machines for management that does not scale as Event Hubs clusters are added
- B. a 1x D2_V2 virtual machine for management that scales linearly to a maximum of 10 nodes as Event Hubs clusters are added
- C. a 1x D2_V2 virtual machine for management that does not scale as Event Hubs clusters are added
- D. a cluster of 3x D2_V2 virtual machines for management that scales linearly to a maximum of 10 as Event Hubs clusters are added

Correct Answer: B

Resource provider resource consumption The resource consumption by the Event Hubs resource provider is constant, and independent of the number or sizes of clusters created by users. The following table shows the core utilization by the Event Hubs resource provider on Azure Stack Hub, and the approximate resource consumption by other resources. The Event Hubs resource provider uses a D2_V2 VM type for its deployment.

	VM Type	Cluster Nodes	Cores	VM Storage	Memory	Storage Accounts	Public IPs
Event Hubs resource provider	D2_V2	3	6	300 GiB	21 GiB	2	1

Note: Cluster resource consumption

Your users will need to create Event Hubs clusters with CUs that meet their business requirements. To inform your decision on quota configuration, the following table shows:

The total cores used by a 1 CU Event Hubs cluster. The approximate capacity required for consumption of other resources, including VM storage, memory, and storage accounts.

	VM Type	Cluster Nodes	Cores per VM/node	Total Cores	VM Storage	Memory	Storage Accounts
1 CU Event Hubs cluster	D11_V2	5	2	10	500 GiB	70 GiB	4

Reference: <https://learn.microsoft.com/en-us/azure-stack/operator/event-hubs-rp-capacity-planning>

QUESTION 8

The priv2 region is redeployed according to the planned changes.

You need to restore App Service.

Which three components should you restore? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. the App Service roles and services
- B. the file server share content
- C. the infrastructure backup
- D. the worker role virtual machine
- E. the App Service databases
- F. the default domain certificate

Correct Answer: ABE

Reference: <https://docs.microsoft.com/en-us/azure-stack/operator/app-service-recover?view=azs-2008>

QUESTION 9

You have a disconnected Azure Stack Hub integrated system that contains a user named User1.

You need to ensure that User1 can assign role-based access control (RBAC) roles in Azure Stack Hub. The solution must use the principle of least privilege.

Which Azure Stack Hub built-in role should you assign to User1?

- A. Owner
- B. User Access Administrator
- C. Security Admin
- D. Managed Identity Contributor

Correct Answer: B

User Access Administrator Lets you manage user access to Azure resources. */read Read resources of all types, except secrets. Microsoft.Authorization/* Manage authorization Microsoft.Support/* Create and update a support ticket

Reference:

<https://learn.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

QUESTION 10

DRAG DROP

You have an Azure Stack Hub integrated system that is disconnected from the Internet.

During an update, an error occurs that prevents you from accessing the administrator portal.

While troubleshooting the issue, a Microsoft Support Engineer requests that you collect and send the relevant logs.

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

- Connect to the privileged endpoint (PEP)
- Run the `Test-AzureStack` cmdlet
- Unlock the privileged endpoint (PEP)
- From a workstation that has internet access, upload the logs to the location specified by the Microsoft Support Engineer
- Run the `Get-AzureStackLog` cmdlet and specify a local file share to collect the logs of events that occurred during the update period



Correct Answer:

Actions

Answer Area

Run the `Test-AzureStack` cmdlet

Unlock the privileged endpoint (PEP)

Connect to the privileged endpoint (PEP)



Run the `Get-AzureStackLog` cmdlet and specify a local file share to collect the logs of events that occurred during the update period



From a workstation that has internet access, upload the logs to the location specified by the Microsoft Support Engineer

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

QUESTION 11

You need to change the int1 region to use the capacity model. The solution must meet the technical requirements.

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

Run the Get-AzsRegistrationToken cmdlet.

Run the Remove-AzsRegistration cmdlet.

Notify all the users in the int1 region and schedule a maintenance window.

Select the subscription that was used to perform the initial registration.

Run the Set-AzsRegistration cmdlet.

Answer Area

Correct Answer:

Actions

Run the `Get-AzsRegistrationToken` cmdlet.

Run the `Remove-AzsRegistration` cmdlet.

Answer Area

Notify all the users in the int1 region and schedule a maintenance window.

Select the subscription that was used to perform the initial registration.

Run the `Set-AzsRegistration` cmdlet.

QUESTION 12

You back up VM1 .

You restore VM1 to the integrated system.

You need to ensure that VM1 will start successfully and that users can connect to share!

Which two actions should you perform after restoring VM1 from the backup? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Modify the disk layout.
- B. Set the hostname.
- C. Set the password of the local administrator.
- D. Set the IP address.
- E. Validate the MAC address.

Correct Answer: BD

QUESTION 13

DRAG DROP

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

You need to deploy Azure Event Hubs to the integrated system and ensure that users can create Event Hubs resources. The solution must minimize administrative effort.

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

Answer Area

Install the Event Hubs package.

Register the Microsoft.EventHub and Microsoft.EventHub.Admin resource providers under the Consumption subscription.

Add Event Hubs to plans, offers, and subscriptions.

From Marketplace management – Marketplace items, download the packages to the Azure Stack Hub instance.

From Marketplace management – Resource providers, download the packages to the Azure Stack Hub instance.

Download the packages to a local computer, and then import the packages to the Azure Stack Hub instance.

Install the Microsoft AzureStack Add-On RP Windows Server INTERNAL ONLY package.

Correct Answer:

Actions

Register the Microsoft.EventHub and Microsoft.EventHub.Admin resource providers under the Consumption subscription.

From Marketplace management – Marketplace items, download the packages to the Azure Stack Hub instance.

Download the packages to a local computer, and then import the packages to the Azure Stack Hub instance.

Install the Microsoft AzureStack Add-On RP Windows Server INTERNAL ONLY package.

Answer Area

From Marketplace management – Resource providers, download the packages to the Azure Stack Hub instance.

Install the Event Hubs package.

Add Event Hubs to plans, offers, and subscriptions.

Reference: <https://docs.microsoft.com/en-us/azure-stack/operator/event-hubs-rp-install?view=azs-2008&pivots=state-connected>

QUESTION 14

You need to configure the Azure Stack Hub infrastructure backups. The solution must meet the Azure Stack Hub requirements. What should you do in the Azure Stack Hub administrator portal? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Set Backups frequency in hours to:

2
4
12

To meet the backup retention requirements:

Configure the retention period for the Infrastructure Backup Service.
Copy the infrastructure backups to an alternate location.
Use an Azure key vault

Correct Answer:

Set Backups frequency in hours to:

2
4
12

To meet the backup retention requirements:

Configure the retention period for the Infrastructure Backup Service.
Copy the infrastructure backups to an alternate location.
Use an Azure key vault

Box 1: 4

The infrastructure of the integrated system must be backed up as frequently as possible.

Enable backup for Azure Stack Hub from the administrator portal

The frequency in hours determines how often backups are created. The default value is 12.

Scheduler supports a maximum of 12 and a minimum of 4.

Box 2: Azure key vault

The integrated system backups must be retained for 28 days.

Online retention policy. This specifies the time period during which daily, weekly, monthly, and yearly backups are retained in the Azure Site Recovery vault that's associated with the local MABS instance.

QUESTION 15

You have an Azure Stack Hub integrated system.

You unlock the privileged endpoint (PEP).

How long will the PEP session remain unlocked?

A. 30 minutes

B. 1 hour

C. 24 hours

D. 8 hours

Correct Answer: D

Unlocking the privileged endpoint for support scenarios During a support scenario, the Microsoft support engineer might need to elevate the privileged endpoint PowerShell session to access the internals of the Azure Stack Hub infrastructure.

This process is sometimes informally referred to as "break the glass" or "unlock the PEP".

An elevated PEP session has a validity of 8 hours, after which, if not terminated, the elevated PEP session will automatically lock back to a regular PEP session.

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

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