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Microsoft

AZ-600

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

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[Total Questions: 176]

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Exam Topic Breakdown

Exam Topic	Number of Questions
Topic 1 : Litware Office	7
Topic 2 : Northwind Traders	11
Topic 3 : Trey Research	10
Topic 4 : Misc. Questions	148
TOTAL	176

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Topic 1, Litware Office

Case study

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Overview

Existing Environment

Network Environment

The Litware offices and the Fabrikam office connect by using a private circuit. Each office connects directly to the Internet.

Identity Environment

The Litware network contains an Active Directory forest named litwareinc.com. The forest and an Azure Active Directory (Azure AD) tenant named litwareinc.com are integrated by using Active Directory Federation Services (AD FS). Litware has an enterprise certification authority (CA).

The Azure subscriptions of Litware are associated to the litwareic.com Azure AD tenant.

Fabrikam also has an Azure AD tenant.

Azure Stack Hub Environment

Litware has the following two Azure Stack Hub integrated systems:

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- A fully operational integrated system in Boston that connects to the Internet and has the following configurations:

- Is managed by using an administrator management endpoint of:

https://adminportal.eastus.litwareinc.com

- Has an Azure App Service deployment that has two dedicated, large web workers

- Currently uses version 2005 of Azure Stack Hub

- A newly delivered integrated system in Chicago that is disconnected from the Internet and will be managed by using an administrator management endpoint of: https://adminportal.northcentralus.litwareinc.com

Datacenter Environment

The Chicago datacenter of Litware contains the infrastructure shown in the following table.

Host	Operating system	Configuration
CLIENT1	Windows 10	Can connect to the Internet and CLIENT2
CLIENT2	Windows 10	Can connect to Azure Stack Hub and CLIENT1
ADFS1, ADFS2	Windows Server 2019	An AD FS farm that is accessible via https://adfs.northcentralus.litwareinc.com

Current Problems

During heavy usage, requests to App Service in Boston fail despite low utilization of the web workers.

Requirements

Planned Changes

Litware plans to implement the following changes:

- Deploy an Event Hubs resource provider to the integrated system in Boston.
- Make Azure Functions available to Azure Stack Hub users in Boston.
- Prepare the integrated system in Chicago to be production-ready.

Technical Requirements

Litware identifies the following technical requirements:

- Implement an infrastructure to support Azure Functions on the integrated system in Boston.
- Provision the certificates required to deploy the Event Hubs resource provider to the integrated system in Boston.

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- Configure an identity provider for the integrated system in Chicago.
- Locate the IP address of the privileged endpoint (PEP) of the integrated system in Chicago.
- Ensure that only operators have control over the creation of subscriptions on the integrated system in Chicago.
- Provision a certificate to provide access to the Azure Resource Manager endpoint of the integrated system in Chicago.
- Identify which PowerShell setting on CLIENT1 and CLIENT2 must be modified to register the integrated system in Chicago.
- Implement a management app that will use Azure Resource Manager to inventory the resources of the integrated system in Chicago.

Security and Compliance Requirements

Litware has the following security and compliance requirements:

- All infrastructure software must run the latest version, including hotfixes.
- Litware must have control over certificate revocations.

Business Requirements

Litware wants to ensure that the users at Fabrikam have secure access to the workloads on the integrated system in Boston.

Updates and Hotfixes

The current hotfixes and updates available for Azure Stack Hub are:

- 2005
- 2005 hotfix 1
- 2005 hotfix 2
- 2005 hotfix 3
- 2008
- 2008 hotfix 1
- 2008 hotfix 2
- 2011 (latest version)

Question #:1 - (Exam Topic 1)

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You need to identify the certificate for the integrated system in Chicago. The solution must meet the technical requirements.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation

When deploying Azure Stack Hub in disconnected mode it is recommended to use certificates issued by an enterprise certificate authority. This is important because clients accessing Azure Stack Hub endpoints must be able to contact the certificate revocation list (CRL).

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-pki-certs?view=azs-2008

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Question #:2 - (Exam Topic 1)

You need to identify the procedure for creating the subscriptions on the integrated system in Chicago. The solution must meet the technical requirements.

What should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Graphical user interface, text, application Description automatically generated

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-subscribe-plan-provision-vm?view=azs-2008

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-create-offer?view=azs-2008

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Question #:3 - (Exam Topic 1)

You need to register the northcentralus region.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-registration?view=azs-2008&tabs=az1%2Caz

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Question #:4 - (Exam Topic 1)

You need to identify the authentication and authorization process for the integrated system in Chicago. The solution must meet the technical requirements.

What should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-integrate-identity?view=azs-2008

Question #:5 - (Exam Topic 1)

You need to identify the PEP information for the integrated system in Chicago. The solution must meet the technical requirements.

What should you use?

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A. the HLH configuration file

B. the Get-AzsRegistrationToken cmdlet

C. Properties on the Region management blade of the administrator portal

D. the Help + support blade of the administrator portal

Answer: C

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-privileged-endpoint?view=azs-2008

Question #:6 - (Exam Topic 1)

You need to implement the management app. The solution must meet the technical requirements.

What should you use?

A. a PowerShell session to litwareinc.com

B. a browser session to litwareinc.com

C. a PowerShell remoting session to the PEP

D. a browser session to the administrator portal

Answer: D

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-manage-portals?view=azs-2008

Question #:7 - (Exam Topic 1)

You need to implement the App Service infrastructure to address the current issues and support the planned changes for Azure Functions in Boston.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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To implement the planned changes, deploy:

- Web worker – dedicated instances – medium
- Web worker – dedicated instances – small
- Web worker – shared instances

To address the current issues, scale out the following App Service role:

- Controller
- Front End
- Worker

Answer:

Explanation

Table Description automatically generated

To implement the planned changes, deploy:

- Web worker – dedicated instances – medium
- Web worker – dedicated instances – small
- Web worker – shared instances

To address the current issues, scale out the following App Service role:

- Controller
- Front End
- Worker

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-app-service-capacity-planning?view=azs-2008

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Topic 2, Northwind Traders

Case study

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Overview

A company named Northwind Traders has a main office and a datacenter. All development occurs at the main office.

Existing Environment

Identity Environment

The network contains an Active Directory forest named northwind.com. The forest and an Azure Active Directory (Azure AD) tenant named northwind.onmicrosoft.com are integrated by using Active Directory Federation Service (AD FS).

All Azure subscriptions use the northwind.onmicrosoft.com Azure AD tenant.

Northwind Traders uses an Enterprise Agreement (EA) subscription.

All operators are global administrators in northwind.onmicrosoft.com.

Azure Stack Hub Environment

Northwind Traders has the following five Azure Stack Hub integrated systems:

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- One integrated system that connects to an internet-facing network and has the following configurations:

- The region name is int1.

- The operators do not have access to the user subscriptions.

- The integrated system is used for customer and partner applications.

- The partners and customers of NorthWind Traders use guest user accounts to access various user resources.

- Two integrated systems that connect to a private network, are accessed only from inside the company, and have the following configurations:

- The integrated systems are dedicated to research and development.

- One integrated system has a region name of priv1, and the other has a region name of priv2.

- The integrated systems are used for various data rendering, AI workloads, inference, and data visualization.

- Two integrated systems that are dedicated to application development and have the following configurations:

- The integrated systems are disconnected from the Internet. The workloads in the user subscriptions have Internet access.

- One integrated system has a region name of dev1, and the other has a region name of dev2.

- Both regions are used only by developers at Northwind Traders.

The external domain name of all the integrated systems is northwind.com. All the integrated systems have Azure App Service and the Azure Kubernetes Service (AKS) engine deployed.

The computer of the operator in each region has all the prerequisite software installed for managing Azure Stack Hub.

Current Problems

You identify the following issues in the current environment:

- The priv2 region recently experienced a catastrophic failure.
- The developers report high chargeback costs for the dev1 region.
- The int1 region runs a high number of Windows virtual machines that use pay-as-you-use images.
- The Northwind Traders partners and customers report that use of the guest user accounts is too complex.
- Users in the priv1 region recently deployed NCas_v4 virtual machines for various AI workload. The users discover that the virtual machines do not use GPUs.

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Requirements

Planned Changes

Northwind Traders plans to implement the following changes:

- Remove all guest user accounts.
- Change the DNS forwarder of the priv1 region.
- Change the billing model and registration name of the int1 region.
- After the catastrophic failure, restore the priv2 region to its original state.
- Provide each partner with its own dedicated user subscription that will use its own dedicated Azure AD tenant.

Technical Requirements

Northwind Traders identifies the following technical requirements:

- Minimize hardware and software costs.
- Standardize all datacenter workloads on Azure Stack Hub.
- In the priv1 region, implement a disaster recovery plan for App Service.
- Whenever possible, implement solutions by using the minimum amount of administrative effort.
- In the dev2 region, update the AKS Base Ubuntu image to the latest version in Azure Stack Hub Marketplace.
- Whenever possible, implement solutions by using built-in tools, features, and services without acquiring additional third-party tools.
- For the users' virtual machines and the associated resources in the dev1 and dev2 regions, implement a business continuity and disaster recovery plan that includes an automated failback process.
- If changes to the Azure Stack Hub infrastructure cause workload downtime outside of planned maintenance windows, notify all users in the region where the downtime occurred and schedule a maintenance window.

Question #:1 - (Exam Topic 2)

As part of the planned changes for the int1 region, you need to remove all the user subscriptions and the associated resources. The solution must meet the technical requirements.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

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A. Run the Set-AzsuserSubscription cmdlet against to the administrator management endpoint.

B. From the Azure portal, remove all the guest user accounts.

C. From the administrator portal, delete all the user subscriptions.

D. From the user portal delete all the resources in the user subscriptions.

Answer: B C

Question #:2 - (Exam Topic 2)

You remove all the workloads from the int1 region and change the registration model to capacity.

You prepare additional Azure AD tenants for each partner.

You need to configure multitenancy.

Which two actions should you perform for each guest tenant? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Run the Register-AzSWithMyDirectoryTenant cmdlet and specify https://management.int1.

northwind.com as the endpoint.

B. Run the Register-AzSGuestDirectoryTenant cmdlet and specify https://management.int1.

northwind.com as the endpoint.

C. Run the Register-AzSGuestDirectoryTenant cmdlet and specify https://

adminmanagement.int1. northwind.com as the endpoint.

D. Change the registration model to pay-as-you-use.

E. Run the Register-AzSWithMyDirectoryTenant cmdlet and specify https://

adminmanagement.int1. northwind.com as the endpoint.

Answer: A C

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-enable-multitenancy?view=azs-2008

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Question #:3 - (Exam Topic 2)

You need to recommend a business continuity and disaster recovery plan for the dev1 and dev2 regions that meets the technical requirements.

Which two recommendations should you make? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Implement the Infrastructure Backup Service

B. Use an Azure Marketplace backup tool in each region to protect the virtual machines that run in the other region

C. Implement Azure Site Recovery

D. Use Infrastructure as Code (IaC) by using Azure Resource Manager templates

Answer: B D

Question #:4 - (Exam Topic 2)

You schedule a planned maintenance window.

You need to perform an Azure Stack Hub update in the dev1 region. 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.

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Answer:

Explanation

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Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-updates?view=azs-2008

Question #:5 - (Exam Topic 2)

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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.

Answer:

Explanation

Step 1: Notify all the users in the int1 region and schedule a maintenance window.

Step 2: Select the subscription that was used to perform the initial registration.

Note: You need to change the int1 region to use the capacity model.

Change the billing model and registration name of the int1 region.

The int1 region runs a high number of Windows virtual machines that use pay-as-you-use images.

Change billing model, how features are offered, or re-register your instance

This section applies if you want to change the billing model, how features are offered, or you want to re-register your instance. For all of these cases, you call the registration function to set the new values. You don't need to first remove the current registration.

select the subscription used during the registration

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Select-AzSubscription -Subscription '<Registration subscription ID from portal>'

rerun registration with new BillingModel (or same billing model in case of re-registration) but using other parameters values from portal

Set-AzsRegistration -PrivilegedEndpointCredential $YourCloudAdminCredential -PrivilegedEndpoint $YourPrivilegedEndpoint -BillingModel '<New billing model>' -RegistrationName '<Registration name from portal>' -ResourceGroupName '<Registration resource group from portal>'

Step 3: Run the Set-AzsRegistration cmdlet.

You can use Set-AzsRegistration to register Azure Stack Hub with Azure and enable or disable the offer of items in the marketplace and usage reporting.

To run the cmdlet, you need:

A global Azure subscription of any type.

To be signed in to Azure PowerShell with an account that's an owner or contributor to that subscription.

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-registration

Question #:6 - (Exam Topic 2)

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.

Answer:

Explanation

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Question #:7 - (Exam Topic 2)

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

Answer: A B E

Reference:

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

Question #:8 - (Exam Topic 2)

You are troubleshooting the chargeback issues of the dev1 region.

You need to query the usage for each tenant subscription.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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Answer:

Explanation

Box 1: Administrator management endpoint

Note: The developers report high chargeback costs for the dev1 region.

Two integrated systems that are dedicated to application development and have the following configurations:

- The integrated systems are disconnected from the Internet. The workloads in the user subscriptions have Internet access.
- One integrated system has a region name of dev1, and the other has a region name of dev2.
- Both regions are used only by developers at Northwind Traders.

The request gets consumption details for the requested subscriptions and for the requested time frame. There is no request body.

This usage API is a provider API, so the caller must be assigned an Owner, Contributor, or Reader role in the provider's subscription.

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Method, Request URI

GET
https://{armendpoint}/subscriptions/{subId}/providers/Microsoft.Commerce.Admin/subscriberUsageAggregates

Arguments

* armendpoint

Azure Resource Manager endpoint of your Azure Stack Hub environment. The Azure Stack Hub convention is that the name of the Azure Resource Manager endpoint is in the format https://adminmanagement.{domain-name}. For example, for the Azure Stack Development Kit (ASDK), if the domain name is local.azurestack.external, then the Resource Manager endpoint is https://adminmanagement.local.azurestack.external.

* subId

Subscription ID of the user who makes the call.

* Etc.

Box 2: Get-AzsSubscriberUsage

Retrieve usage information

PowerShell

To generate the usage data, you should have resources that are running and actively using the system; for example, an active virtual machine (VM), or a storage account containing some data. If you're not sure whether you have any resources running in the Azure Stack Hub Marketplace, deploy a VM, and verify the VM monitoring blade to make sure it's running. Use the following PowerShell cmdlets to view the usage data:

- Install PowerShell for Azure Stack Hub.
- Configure the Azure Stack Hub user or the Azure Stack Hub operator PowerShell environment.
- To retrieve the usage data, call the Get-AzsSubscriberUsage PowerShell cmdlet:

Get-AzsSubscriberUsage -ReportedStartTime "2017-09-06T00:00:00Z"

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-provider-resource-api

Question #:9 - (Exam Topic 2)

You need to implement disaster recovery for the priv1 region to meet the technical requirements.

Which main components should you include in the disaster recovery plan?

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A. • The resource provider infrastructure
• The App Service metering databases
• The App Service hosting databases
• The App Service file share
• The App Service secrets

B. • The App Service metering databases
• The App Service hosting databases
• The default domain certificate
• The CloudAdmin credentials
• The infrastructure backup

C. • The resource provider infrastructure
• The App Service hosting databases
• The CloudAdmin credentials
• The App Service file share
• The infrastructure backup

D. • The App Service metering databases
• The App Service hosting databases
• The worker role virtual machine
• The infrastructure backup
• The App Service secrets

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Question #:10 - (Exam Topic 2)

You need to change the DNS forwarder of the priv1 region.

Which two actions should you perform? Each correct answer presents part of the solution?

NOTE: Each correct selection is worth one point.

A. Run the Register-CustomDnsServer cmdlet

B. Run the Add-DnsServerForwarder cmdlet

C. Run the Set-AzsDnsForwarder cmdlet

D. Connect to the administrator management endpoint of the priv1 region

E. Connect to privileged endpoint (PEP) of the priv1 region

Answer: C E

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Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-configure-dns?view=azs-2008

Question #:11 - (Exam Topic 2)

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You need to resolve the performance issue reported by the users in the priv1 region.

What should you do?

A. Redeploy the virtual machines to a new Azure Stack Hub node

B. Install the NVIDIA drivers on the virtual machines

C. Install the AMD drivers on the virtual machines

D. Add an additional scale unit node

Answer: C

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/n-series-amd-driver-setup

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Topic 3, Trey Research

Case study

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Overview

General overview

Trey Research is a pharmaceutical company that has an office in Boston.

Existing environment

Identity Environment

The on-premises network contains an Active Directory forest named treyresearch.net. The forest contains a user named User1.

The forest syncs to an Azure AD tenant named treyresearch.net by using Azure AD Connect.

Trey Research has an internal certification authority (CA).

Compute Environment

The datacenter in the Boston office contains a computer named CLIENT1 that runs Windows 10. CLIENT1 is an administrative workstation that connects directly to the Azure Stack Hub integrated system.

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Planned changes and requirements

Planned changes

Trey Research identifies the following planned changes:

- Change the Azure Stack Hub integrated system registration to use an Azure subscription named Subscription3 that has a GUID of 12345678-1234-1234-1234-222222222222.
- Configure the integrated system to resolve external names by using a DNS Server that has an IP address of 10.100.100.100.
- Implement the App Service resource provider and the Event Hubs resource provider on the integrated system/
- Publish a custom cloud-init built image of a Linux virtual machine to Azure Stack Hub Marketplace on the integrated system.
- Create a new cloudadmin user named User2.
- Assign the delegated provider role to User1.

Azure Stack Hub Requirements

Trey Research identifies the following Azure Stack Hub requirements:

- Azure Stack Hub integrated system logs must be forwarded to an external security information and event management (SIEM) system named SIEM1. SIEM1 requires TCP with mutual authentication and TLS 1.2 encryption.
- A default Microsoft SQL Server instance will host the database of the App Service resource provider.
- The infrastructure of the integrated system must be backed up as frequently as possible.
- The integrated system backups must be retained for 28 days.

Business Requirements

Minimize software and licensing costs.

Question #:1 - (Exam Topic 3)

You need to update the Azure Stack Hub integrated system registration to support the planned changes.

Which four 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.

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Actions

- Run `Get-AzsregisrtationToken`.
- Run the `Register-AzsEnvironment` cmdlet and specify the `-RegistrationToken $Token` parameter.
- Authenticate to Azure AD. Run the `Select-AzSubscription` cmdlet and specify the `-Subscription 12345678-1234-1234-1234-111111111111` parameter.
- Run `Remove-AzsRegistration`.
- Run the `Select-AzSubscription` cmdlet and specify the `-Subscription 12345678-1234-1234-1234-222222222222` parameter.
- Run `Set-AzsRegistration`.

Answer Area

Answer:

Explanation

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Step 1: Run Get-AzsRegistrationToken

Change the Azure Stack Hub integrated system registration to use an Azure subscription named Subscription3 that has a GUID of 12345678-1234-1234-1234-222222222222.

Get-AzsRegistrationToken

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

To register the Azure Stack Hub resource provider with Azure, start PowerShell ISE as an administrator and use PowerShell cmdlets with the EnvironmentName parameter set to the appropriate Azure subscription type.

Step 2: Run the Register-AszEnvironment cmdlet and specify the –RegistrationToken $Token parameter.

Step 3: Run the Select-AzSubscription cmdlet and specify the –Subscription 12345678-1234-1234-1234-222222222222 parameter.

To change the azure subscription using PowerShell, we can use the Select-AZSubscription command. When you use this command, you can use either the subscription ID, Subscription Name, or the Tenant ID.

Step 4: Run Set-AszRegistration.

Before proceeding, in the same PowerShell session, verify again that you're signed in to the correct Azure PowerShell context.

This context is the Azure account that was used to register the Azure Stack Hub resource provider. In the same PowerShell session, run the Set-AzsRegistration cmdlet:

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$CloudAdminCred = Get-Credential -UserName <Privileged endpoint credentials> -Message "Enter the cloud domain credentials to access the privileged endpoint."

$RegistrationName = "<unique-registration-name>"

Set-AzsRegistration `

-PrivilegedEndpointCredential $CloudAdminCred `

-PrivilegedEndpoint <PrivilegedEndPoint computer name> `

-AgreementNumber <EA agreement number> `

-BillingModel Capacity `

-RegistrationName $RegistrationName

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-registration

https://learn.microsoft.com/en-us/azure-stack/mdc/operator/registration-tzl

Question #:2 - (Exam Topic 3)

You need to create the Linux virtual machine image. The solution must support the planned changes.

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.

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Answer:

Explanation

Step 1: Create a config.file and save the file as Sloud-init.txt file.

Publish a custom cloud-init built image of a Linux virtual machine to Azure Stack Hub Marketplace on the integrated system.

Add Linux images to the Azure Stack Hub Marketplace

1: Create a cloud-init.txt file with your cloud-config

Step 2: Upload the file to Azure Stack Hub storage account.

2: Reference cloud-init.txt during the Linux VM deployment

Upload the file to an Azure storage account, Azure Stack Hub storage account, or GitHub repository reachable by your Azure Stack Hub Linux VM.

Step 3: Provision on Azure Stack Hub virtual machine by using Az PowerShell moduel.

You can create an Ubuntu Server 16.04 LTS virtual machine (VM) by using Azure Stack Hub PowerShell.

Make sure to reference the cloud-init.txt as a part of the -CustomData flag:

$VirtualMachine =Set-AzVMOperatingSystem -VM $VirtualMachine `

-Linux `

-ComputerName "MainComputer" `

-Credential $cred -CustomData "#include https://cloudinitstrg.blob.core.windows.net/strg/cloud-init.txt"

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-linux?

Question #:3 - (Exam Topic 3)

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.

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D. Connect to 192.168.101.101 and run the Set-SyslogServer and Set-SyslogClient cmdlets.

Answer: D

Explanation

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 <String>] [-ServerPort <UInt16>] [-NoEncryption] [-SkipCertificateCheck] [-SkipCNCheck] [-UseUDP] [-Remove]

cmdlet to configure the certificate for the syslog client to authenticate with the server

Set-SyslogClient [-pfxBinary <Byte[]>] [-CertPassword <SecureString>]

Reference:

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

Question #:4 - (Exam Topic 3)

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.

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Answer:

Explanation

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.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-backup-enable-backup-console

https://learn.microsoft.com/en-us/azure/architecture/hybrid/azure-stack-backup

Question #:5 - (Exam Topic 3)

You need to configure name resolution to support the planned changes.

Which PowerShell cmdlet should you run?

A. Sec-DnsServer

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B. Regiscer-CuscomDnsServer

C. Set-AzSDnsForwarder

D. Set-DNSClientServerAddress

Answer: B

Explanation

Configure the integrated system to resolve external names by using a DNS Server that has an IP address of 10.100.100.100.

Resolving external DNS names from Azure Stack Hub

To resolve DNS names for endpoints outside Azure Stack Hub (for example: www.bing.com), you need to provide DNS servers that Azure Stack Hub can use to forward DNS requests for which Azure Stack Hub isn't authoritative. For deployment, DNS servers that Azure Stack Hub forwards requests to are required in the Deployment Worksheet (in the DNS Forwarder field). Provide at least two servers in this field for fault tolerance. Without these values, Azure Stack Hub deployment fails. You can edit the DNS Forwarder values with the Set-AzSDnsForwarder cmdlet after deployment.

Configure conditional DNS forwarding

Important

This only applies to an AD FS deployment.

To enable name resolution with your existing DNS infrastructure, configure conditional forwarding.

To add a conditional forwarder, you must use the privileged endpoint.

For this procedure, use a computer in your datacenter network that can communicate with the privileged endpoint in Azure Stack Hub.

1. Open an elevated Windows PowerShell session (run as administrator), and connect to the IP address of the privileged endpoint. Use the credentials for CloudAdmin authentication.

$cred=Get-Credential

Enter-PSSession -ComputerName <IP Address of ERCS> -ConfigurationName PrivilegedEndpoint -Credential $cred

2. After you connect to the privileged endpoint, run the following PowerShell command. Substitute the sample values provided with your domain name and IP addresses of the DNS servers you want to use.

Register-CustomDnsServer -CustomDomainName "contoso.com" -Custom

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-integrate-dns

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Question #:6 - (Exam Topic 3)

You need to create the planned changes and meet the business requirements.

Which subscription should you use to host the SQL Server instance, and what should you configure on the instance? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

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Box 1: The Default Provider Subscription

A default Microsoft SQL Server instance will host the database of the App Service resource provider.

In Azure Stack Hub Subscriptions, select the Default Provider Subscription. Azure App Service on Azure Stack Hub must be deployed in the Default Provider Subscription.

Box 2:

Enter the SQL Server details for the server instance used to host the App Service resource provider database and then select Next. The installer validates the SQL connection properties.

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Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-app-service-deploy

Question #:7 - (Exam Topic 3)

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

Answer: A

Explanation

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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 #:8 - (Exam Topic 3)

You provision a new certificate to support the planned changes.

You need to validate the certificate.

Which PowerShell module should you install first?

A. Az.Websites

B. AzureRM.TemplateValidator

C. AzureStack

D. Microsoft.AzureStack.ReadinessChecker

Answer: D

Explanation

Use the Azure Stack Hub Readiness Checker tool to validate that generated public key infrastructure (PKI) certificates which are suitable for pre-deployment. Validate certificates by leaving enough time to test and reissue certificates if necessary.

The Readiness Checker tool performs the following certificate validations:

* Parse PFX

Checks for valid PFX file, correct password, and whether the public information is protected by the password.

* Expiry Date

Checks for minimum validity of seven days.

* Signature algorithm

Checks that the signature algorithm isn't SHA1.

* Private Key

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Checks that the private key is present and is exported with the local machine attribute.

* Etc.

Note: Perform core services certificate validation

Use these steps to validate the Azure Stack Hub PKI certificates for deployment and secret rotation:

1. Install AzsReadinessChecker from a PowerShell prompt (5.1 or above) by running the following cmdlet:

Install-Module Microsoft.AzureStack.ReadinessChecker -Force -AllowPrerelease

2. Create the certificate directory structure.

3. Etc.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-validate-pki-certs

Question #:9 - (Exam Topic 3)

You need to create a certificate for the Event Hubs resource provider. The solution must support the planned changes.

How should you configure the certificate? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

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Explanation

Box 1: Subject Alternative Name

Implement the App Service resource provider and the Event Hubs resource provider on the integrated system/

Only the Subject Alternative Name is used.

Box 2: DNS Name = =*.eventhub.east.azurestack.treyresearch.net

Event Hubs prerequisites

Procure public key infrastructure (PKI) SSL certificates for Event Hubs. The Subject Alternative Name (SAN)

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must adhere to the following naming pattern: CN=*.eventhub.<region>.<fqdn>. Subject Name may be specified, but it's not used by Event Hubs when handling certificates. Only the Subject Alternative Name is used. See PKI certificate requirements for the full list of detailed requirements.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/event-hubs-rp-prerequisites

Question #:10 - (Exam Topic 3)

You need to support the planned changes for User1.

Which service should you include?

A. Microsoft.Subscriptions

B. Microsoft.KeyVault

C. Microsoft.Storage

D. Microsoft.Compute

Answer: A

Explanation

Assign the delegated provider role to User1.

Delegation steps

There are two steps to setting up delegation:

1. Create a delegated provider subscription: Subscribe a user to an offer containing only the subscription service. Users who subscribe to this offer can then extend the delegated offers to other users by signing them up for those offers.

2. Delegate an offer to the delegated provider: This offer enables the delegated provider to create subscriptions or to extend the offer to their users. The delegated provider can now take the offer and extend it to other users.

Note:

Move subscriptions between delegated providers

If needed, a subscription can be moved between new or existing delegated provider subscriptions that belong to the same directory tenant. You can move them using the PowerShell cmdlet Move-AzsSubscription.

Moving subscriptions is useful when:

* You onboard a new team member that will take on the delegated provider role and you want to assign to this team member user subscriptions that were previously created in the default provider subscription.

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* You have multiple delegated providers subscriptions in the same directory tenant (Azure AD) and need to move user subscriptions between them. This scenario could occur when a team member moves between teams and their subscription must be allocated to the new team.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-delegated-provider

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Topic 4, Misc. Questions

Question #:1 - (Exam Topic 4)

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

A new Microsoft update package is released.

You need to apply the update.

Which five 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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Answer:

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Explanation

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Download the Azure Stack Hub Updates downloader tool.
Download the update package.
From the administrator portal, upload the ZIP package to the blob container.
From the administrator portal, upload the metadata XML file to the blob container.
Apply the update.

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-update-prepare-package?view=azs-2008

Question #:2 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

The retention period for storage accounts is set to 10 days.

In a user subscription, a user deletes a virtual machine that has four 500-GB unmanaged disks attached.

How will the storage be reclaimed?

A. The deleted storage can be reclaimed immediately by using the administrator portal.

B. The deleted storage can be reclaimed immediately by using the user portal.

C. The deleted storage can be reclaimed only after 10 days.

D. The deleted storage will be reclaimed automatically in 10 hours.

Answer: A

Reference:

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

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Question #:3 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that connects to the Internet. The integrated system uses an Azure Active Directory (Azure AD) identity provider.

You need to update the Azure App Service resource provider.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Download the App Service installer to a computer that can connect to the Azure Stack Hub endpoints

B. Run appservice.exe as a local administrator

C. From the Updates blade of the administrator portal, select the Resource providers section

D. From the Updates blade of the administrator portal, select the infrastructure section

E. From the administrator portal, select the update, download the update, and then install the update

Answer: A B

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-app-service-update?view=azs-2008&pivots=s

Question #:4 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Stack Hub integrated system that connects to the Internet. The integrated system uses an Enterprise Agreement (EA) for licensing.

You are creating an Azure Resource Manager template to generate a marketplace item for a virtual machine that runs Windows Server 2019 Datacenter and a custom application.

You need to ensure that Windows Server is licensed by using the bring-your-own-license model.

Solution: You add OsType: Windows to the Azure Resource Manager template.

Does this meet the goal?

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A. Yes

B. No

Answer: B

Question #:5 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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 a privileged endpoint (PEP) session, you run

Test-AzureStack –Group "Default".

Does this meet the goal?

A. Yes

B. No

Answer: A

Reference:

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

Question #:6 - (Exam Topic 4)

You and a Microsoft Support Engineer are troubleshooting an Azure Stack Hub integrated system. The security team at your company requires an audit trail whenever management actions are performed on the integrated system.

You unlock the privileged endpoint (PEP) and perform several troubleshooting tasks that resolve the issue.

Which cmdlet should you run next?

A. Invoke-AzureStackOnDemandLog

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B. Close-PrivilegedEndpoint

C. Get-AzureStackLog

D. Exit-PSSession

Answer: B

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-privileged-endpoint?view=azs-2008

Question #:7 - (Exam Topic 4)

You have an Azure subscription named sub1 linked to an Azure Active Directory (Azure AD) tenant named contoso.com

You have an Azure Stack Hub integrated system that is registered to sub1.

You need to delegate registering the Azure Stack Hub integrated system to an Azure Stack Hub operator. The solution must use the Principle of least privilege.

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 correct order.

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Answer:

Explanation

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Step 1: Create a JSON file that contains the role definition.

Rather than using an account that has Owner permissions in the Azure subscription, you can create a custom role to assign permissions to a less-privileged user account. This account can then be used to register your Azure Stack Hub.

Create a custom role using PowerShell

Use the following JSON template to simplify creation of the custom role. The template creates a custom role that allows the required read and write access for Azure Stack Hub registration.

1. Create a JSON file. For example, C:\CustomRoles\registrationrole.json.

2. Add the following JSON to the file. Replace <SubscriptionID> with your Azure subscription ID.

```
{

"Name": "Azure Stack Hub registration role",

"Id": null,

"IsCustom": true,

"Description": "Allows access to register Azure Stack Hub",

"Actions": [

"Microsoft.Resources/subscriptions/resourceGroups/write",
```

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"Microsoft.Resources/subscriptions/resourceGroups/read",

"Microsoft.AzureStack/registrations/*",

"Microsoft.AzureStack/register/action",

"Microsoft.Authorization/roleAssignments/read",

"Microsoft.Authorization/roleAssignments/write",

"Microsoft.Authorization/roleAssignments/delete",

"Microsoft.Authorization/permissions/read",

"Microsoft.Authorization/locks/read",

"Microsoft.Authorization/locks/write"

],

"NotActions": [

],

"AssignableScopes": [

"/subscriptions/<SubscriptionID>"

]

}

3. In PowerShell, connect to Azure to use Azure Resource Manager. When prompted, authenticate using an account with sufficient permissions such as Owner or User Access Administrator.

Connect-AzAccount

4. To create the custom role, use New-AzRoleDefinition specifying the JSON template file.

New-AzRoleDefinition -InputFile "C:\CustomRoles\registrationrole.json"

Step 2: From Azure Cloud shell, run the New-AzRoleDefinition cmdlet.

Step 3: From the Azure portal, add a role assignment to sub1.

Assign a user to registration role

After the registration custom role is created, assign the role to the user account that will be used for registering Azure Stack Hub.

- Sign in with the account with sufficient permission on the Azure subscription to delegate rights - such as

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Owner or User Access Administrator.

- In Subscriptions, select Access control (IAM) > Add role assignment.
- In Role, choose the custom role you created: Azure Stack Hub registration role.
- Select the users you want to assign to the role.
- Select Save to assign the selected users to the role.

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-registration-role

Question #:8 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the

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series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

Answer: B

Reference:

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

Question #:9 - (Exam Topic 4)

You have a connected Azure Stack Hub integrated system.

You need to offer users the Azure Kubernetes Service (AKS) engine for production workloads. Which three actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Add an AKS base image to Azure Stack Hub Marketplace.

B. Add a Docker extension to Azure Stack Hub Marketplace.

C. From the Azure Active Directory admin center, create a service principal.

D. Add an ubuntu Server image to Azure Stack Hub Marketplace.

E. Add a custom script extension to Azure Stack Hub Marketplace.

F. From the Azure Active Directory admin center, create a user-assigned managed identify.

Answer: A C D

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Question #:10 - (Exam Topic 4)

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

Answer: B

Explanation

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 #:11 - (Exam Topic 4)

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

You need to identify which type of certificate to use for the deployment and the file format for the certificate. The solution must meet the following requirements:

• Minimize administrative effort.

• Maximize security.

What should identify? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

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Answer:

Explanation

Azure Stack Hub public key infrastructure (PKI) certificate requirements

Azure Stack Hub has a public infrastructure network using externally accessible public IP addresses assigned to a small set of Azure Stack Hub services and possibly tenant VMs. PKI certificates with the appropriate DNS names for these Azure Stack Hub public infrastructure endpoints are required during Azure Stack Hub deployment.

Box 1: A certificate from an internal certification authority (CA)

Your Azure Stack Hub infrastructure must have network access to the certificate authority's Certificate Revocation List (CRL) location published in the certificate. This CRL must be an http endpoint. Note: for disconnected deployments, certificates issued by a public certificate authority (CA) are not supported, if the CRL endpoint is not accessible.

Features that are impaired or unavailable in disconnected deployments

Azure Stack Hub was designed to work best when connected to Azure, so it's important to note that there are some features and functionality that are either impaired or completely unavailable in the disconnected mode.

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Private/internal Certificate Authority (CA)

No impact - In cases where the deployment uses certificates issued by a private CA, such as an internal CA within an organization, only internal network access to the CRL endpoint is required. Internet connectivity is not required, but you should verify that your Azure Stack Hub infrastructure has the required network access to contact the CRL endpoint defined in the certificates CDP extension.

Box 2: PFX

The certificate format must be PFX, as both the public and private keys are required for Azure Stack Hub installation. The private key must have the local machine key attribute set.

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-pki-certs

Question #:12 - (Exam Topic 4)

You have an Azure Slack Hub integrated system.

You receive the following alert: "One or more guest Azure AD tenants must be configured."

You need to identify which Azure AD tenants require configuration.

Which PowerShell cmdlet should you run?

A. Get-AzsDirectoryTenantidcntifier

B. Get-AzureADTenantDetail

C. Get-AzsHealthReport

D. Get-AzsAlerts

Answer: C

Explanation

Synopsis

Gets the health report of identity application in the Azure Stack home and guest directories

DESCRIPTION

Gets the health report for Azure Stack identity applications in the home directory as well as guest directories of Azure Stack. Any directories with an unhealthy status need to have their permissions updated.

EXAMPLE

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```
$adminResourceManagerEndpoint = "https://adminmanagement.local.azurestack.external"

$homeDirectoryTenantName = "<homeDirectoryTenant>.onmicrosoft.com"

Get-AzsHealthReport -AdminResourceManagerEndpoint $adminResourceManagerEndpoint `

-DirectoryTenantName $homeDirectoryTenantName -Verbose
```

Reference: https://github.com/Azure/AzureStack-Tools/blob/master/Identity/AzureStack.Identity.psm1

https://github.com/Azure/AzureStack-Tools/blob/master/Identity/README.md

Question #:13 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

A scale unit node has a hardware failure.

You replace the physical server based on the field replacement unit (FRU) documentation of the OEM hardware vendor.

You need to reintroduce the node to the scale unit.

Which PowerShell cmdlet should you run?

A. Enable-AzsScaleUnitNode

B. Repair-AzsScaleUnitNode

C. Start-AzsScaleUnitNode

D. Restart-AzsInfrastructureRole

E. Add-AzsScaleUnitNode

Answer: B

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-node-actions?view=azs-2008&tabs=az1#repair

Question #:14 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that uses an Azure Active Directory (Azure AD) tenant named fabrikam.com as an identity provider. The integrated system region name is region1, and the external

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domain name is fabrikam.com.

The integrated system has the following domains enabled for multitenancy:

- fabrikam.onmicrosoft.com
- contoso.onmicrosoft.com
- fabrikam.com
- contoso.com

You need to disable multitenancy for contoso.com.

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.

Answer:

Explanation

Graphical user interface, application Description automatically generated

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Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-enable-multitenancy?view=azs-2008

Question #:15 - (Exam Topic 4)

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

You need to ensure that User1 can onboard a new guest tenant directory. The solution must use the principle of least privilege.

Which role should you assign to User1?

A. Owner

B. Global administrator

C. Hybrid identity administrator

D. Domain name administrator

Answer: C

Explanation

Hybrid Identity Administrator role is now available with Cloud Provisioning

Type: New feature

Service category: Azure AD Cloud Provisioning

Product capability: Identity Lifecycle Management

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IT Admins can start using the new "Hybrid Admin" role as the least privileged role for setting up Azure AD Connect Cloud Provisioning. With this new role, you no longer have to use the Global Admin role to set up and configure Cloud Provisioning.

Note: Hybrid Identity Administrator

Users in this role can create, manage and deploy provisioning configuration setup from AD to Azure AD using Cloud Provisioning as well as manage Azure AD Connect, Pass-through Authentication (PTA), Password hash synchronization (PHS), Seamless Single Sign-On (Seamless SSO), and federation settings. Users can also troubleshoot and monitor logs using this role.

Reference: https://learn.microsoft.com/en-us/azure/active-directory/fundamentals/whats-new-archive

https://learn.microsoft.com/en-us/azure/active-directory/roles/permissions-reference#hybrid-identity-administrat

Question #:16 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is registered to an Azure Active Directory (Azure AD) tenant named contoso.com. The integrated system region name is region1.

You need to retrieve only critical infrastructure alerts from the integrated system by using the REST API.

Which URI query should you use? To answer, drag the appropriate values to the correct locations. Each value 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.

Answer:

Explanation

Graphical user interface, text, application Description automatically generated

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```
https://[adminmanagement].[region1]
.contoso.com/subscriptions/8f586592-077b-4433-966e-
150c9c953bdd/resourcegroups/system.[local]
/providers/microsoft.infrastructureinsights.
admin/regionhealths/[region1]
/Alerts?$filter=(Properties/State eq 'Active') and (Properties/Severity
eq 'Critical')&$orderby=Properties/CreatedTimestamp
desc&api-version=2016-05-01"
```

Reference:

https://docs.microsoft.com/en-us/azure-stack/user/azure-stack-rest-api-use?view=azs-2008

Question #:17 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is linked to an Azure AD tenant named contoso.onmicrosoft.com. The Azure Stack Hub portals are configured as shown in the following table.

Type	URL
User	https://portal.eastus.contoso.com
Administrator	https://adminportal.eastus.contoso.com

You register a guest Azure AD tenant named adatum.onmicrosoft.com that contains a user named user1@fabrikam.com. User1 needs to subscribe to art Azure Stack Hub integrated system offer. Which URL should User1 use?

A. https://portal.eastus.contoso.com/

B. https://portal.eastus.contoso.com/fabrikam.com

C. https://adminportal.eastus.contoso.com/fabnkam.com

D. https //portal eastus.contoso.com/adatum.onmicrosoft.com

Answer: D

Explanation

For multinode systems, the user portal URL is formatted as https://portal.<region>.<FQDN>. For an ASDK deployment, the URL is https://portal.local.azurestack.external.

In our case we must also direct any foreign principals (users in the Adatum directory without the suffix of adatum.onmicrosoft.com) to sign in using https://<user-portal-url>/adatum.onmicrosoft.com. If they don't specify the /adatum.onmicrosoft.com directory tenant in the URL, they're sent to their default directory and receive an error that says their administrator hasn't consented.

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Reference: https://learn.microsoft.com/en-us/azure-stack/operator/enable-multitenancy

Question #:18 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is linked to an Active Directory domain named fabrikam.com by using Active Directory Federation Services (AD FS).

You have the resources shown in the following table.

Type	Value
Azure Stack Hub DNS server FQDNs	azs-ns01.south.cloud.fabrikam.com azs-ns02.south.cloud.fabrikam.com
Azure Stack Hub DNS server IP addresses	10.0.0.1 10.0.0.2
Fabrikam.com DNS server FQDNs	dns01.fabrikam.com dns02.fabrikam.com
Fabrikam.com DNS server IP addresses	192.168.20.1 192.168.20.2

You need to ensure that the integrated system can resolve DNS queries for fabrikam.com.

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.

Answer:

Explanation

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Box 1: Register-CustomDnsServer

Resolving external DNS names from Azure Stack Hub

To resolve DNS names for endpoints outside Azure Stack Hub (for example: www.bing.com), you need to provide DNS servers that Azure Stack Hub can use to forward DNS requests for which Azure Stack Hub isn't authoritative. For deployment, DNS servers that Azure Stack Hub forwards requests to are required in the Deployment Worksheet (in the DNS Forwarder field). Provide at least two servers in this field for fault tolerance. Without these values, Azure Stack Hub deployment fails.

Configure conditional DNS forwarding

Important

This only applies to an AD FS deployment.

To enable name resolution with your existing DNS infrastructure, configure conditional forwarding.

To add a conditional forwarder, you must use the privileged endpoint.

For this procedure, use a computer in your datacenter network that can communicate with the privileged endpoint in Azure Stack Hub.

1. Open an elevated Windows PowerShell session (run as administrator), and connect to the IP address of the privileged endpoint. Use the credentials for CloudAdmin authentication.

$cred=Get-Credential

Enter-PSSession -ComputerName <IP Address of ERCS> -ConfigurationName PrivilegedEndpoint -Credential $cred

2. After you connect to the privileged endpoint, run the following PowerShell command. Substitute the sample values provided with your domain name and IP addresses of the DNS servers you want to use.

Register-CustomDnsServer -CustomDomainName "contoso.com" -CustomDnsIPAddresses "192.168.1.1","192.168.1.2"

Box 2: fabrikam.com

The external DNS zone.

Box 3: “192.160.20.1”, “192.160.20.2”,

The IP addresses for the DNS servers in External DNS zone.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-integrate-dns

Question #:19 - (Exam Topic 4)

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You have an Azure Stack Hub integrated system that uses an Azure Active Directory (Azure AD) identity provider.

You have a group named AppGroup1.

You need to provide an application with the ability to access Azure Stack Hub resources by using AppGroup1.

Which four 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.

Answer:

Explanation

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Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-create-service-principals?view=azs-2008&tab

Question #:20 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that uses an Azure Active Directory (Azure AD) identity provider.

You have a computer that runs Windows 10. You use the computer to manage the integrated system.

You create a custom marketplace item on the computer.

You need to publish the item to Azure Stack Hub Marketplace.

You create a storage account.

What should you create next?

A. a container that has a public access level of private

B. a file share that has the performance tier set to **Hot**

C. a container that has a public access level of blob

D. a file share that has the performance tier set to **Transaction optimized**

Answer: C

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-create-and-publish-marketplace-item?view=a

Question #:21 - (Exam Topic 4)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Stack Hub integrated system that connects to the Internet. The integrated system uses an Enterprise Agreement (EA) for licensing.

You are creating an Azure Resource Manager template to generate a marketplace item for a virtual machine that runs Windows Server 2019 Datacenter and a custom application.

You need to ensure that Windows Server is licensed by using the bring-your-own-license model.

Solution: You add licenseType: Windows_Server to the Azure Resource Manager template.

Does this meet the goal?

A. Yes

B. No

Answer: A

Question #:22 - (Exam Topic 4)

You have an Azure Stack Hub integrated system linked to an Azure AD tenant.

You need to back up virtual machines in user subscriptions. The solution must meet the following requirements:

- Back up running virtual machines.
- Maximize resiliency.

What should you use?

A. Azure Backup Server

B. disk snapshots

C. Infrastructure Backup Service

D. Microsoft System Center Data Protection Manager (DPM)

Answer: A

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Explanation

Backup-restore

Backing up your applications and datasets enables you to quickly recover from downtime due to data corruption, accidental deletions, or disasters. For IaaS VM-based applications you can use an in-guest agent to protect application data, operating system configuration, and data stored on volumes.

Note: Azure Backup provides independent and isolated backups to guard against unintended destruction of the data on your VMs. Backups are stored in a Recovery Services vault with built-in management of recovery points. Configuration and scaling are simple, backups are optimized, and you can easily restore as needed.

Reference:

https://learn.microsoft.com/en-us/azure-stack/user/azure-stack-manage-vm-protect

https://learn.microsoft.com/en-us/azure/backup/backup-azure-vms-introduction

Question #:23 - (Exam Topic 4)

You have 20 computers that run Linux.

You deploy a disconnected Azure Stack Hub integrated system.

You need to ensure that users on the Linux computers can manage their Azure Stack Hub resources by using Azure Command-Line Interface (CLI).

What should you do first?

A. Request a new certificate for the integrated system.

B. For each Linux computer, request a certificate from the integrated system.

C. Export the root certificate of the integrated system as a P7B file.

D. Export the root certificate of the integrated system as a CER file.

Answer: D

Explanation

Add certificate

Export and then import Azure Stack Hub certificate for disconnected integrated systems and for the ASDK.

You need the CA root certificate for Azure Stack Hub to use Azure CLI on your development machine.

Export the Azure Stack Hub CA root certificate

Export the CA root certificate. To export the ASDK root certificate in PEM format:

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Get the name of your Azure Stack Hub Root Cert:

1. Sign in to the Azure Stack Hub User or Azure Stack Hub Administrator portal.

Select the lock in the browser address bar.

In the pop-up window, select Connection is secure.

In the Certificate window, select the Certification Path tab.

Note down the name of your Azure Stack Hub Root Cert, for example, *.<locale>.<FQDN>

2. Sign in to the VM, open an elevated PowerShell prompt, and then run the following script:

```
$label = "*.<locale>.<FQDN> from step 1"
Write-Host "Getting certificate from the current user trusted store with subject CN=$label"
$root = Get-ChildItem Cert:\CurrentUser\Root | Where-Object Subject -eq "CN=$label" | select -First 1
if (-not $root)
{
Write-Error "Certificate with subject CN=$label not found"
return
}
Write-Host "Exporting certificate"
Export-Certificate -Type CERT -FilePath root.cer -Cert $root
Write-Host "Converting certificate to PEM format"
certutil -encode root.cer root.pem
```

Reference:

https://learn.microsoft.com/en-us/azure-stack/asdk/asdk-cli

https://learn.microsoft.com/en-us/azure-stack/user/azure-stack-version-profiles-azurecli2

Question #:24 - (Exam Topic 4)

You back up VM1 .

You restore VM1 to the integrated system.

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

Which three 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.

Answer: B D

Question #:25 - (Exam Topic 4)

You have a disconnected Azure Stack Hub integrated system.

You deploy an Operator Access Workstation (OAW) virtual machine image.

Which management tool should be installed manually on the image?

A. AzureStack-Tools

B. Azure Storage Explorer

C. Windows Admin Center

D. AzCopy

Answer: C

Explanation

Windows Admin Center is a new, locally-deployed, browser-based management tool set that lets you manage your Windows Servers with no Azure or cloud dependency. Windows Admin Center gives you full control over all aspects of your server infrastructure and is particularly useful for managing servers on private networks that are not connected to the Internet.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/operator-access-workstation

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Question #:26 - (Exam Topic 4)

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

You need to collect diagnostic logs, but do not have access to an SMB share.

Which four 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.

Answer:

Explanation

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From the administrator portal, create an Azure Storage account and a container

Create a shared access signature (SAS)

Connect to the privileged endpoint (PEP)

Run the Get-AzureStackLog cmdlet

Reference:

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

Question #:27 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

You need to update the Azure Event Hubs service.

Solution: From an internet-connected computer, you run the Update-AzureRmManagementGroup cmdlet.

Does this meet the goal?

A. Yes

B. No

Answer: B

Question #:28 - (Exam Topic 4)

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You have an Azure Stack Hub integrated system that uses an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com as an identity provider.

You need to ensure that users from an Azure AD tenant named fabrikam.onmicrosoft.com can authenticate to the integrated system.

Which four 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.

Answer:

Explanation

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Download AzureStack-Tools

Import the Directory module

Configure the contoso.onmicrosoft.com Azure AD tenant to allow sign-ins from fabrikam.onmicrosoft.com

From the fabrikam.onmicrosoft.com Azure AD tenant, register the Azure Stack Hub directory

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-enable-multitenancy?view=azs-2008

Question #:29 - (Exam Topic 4)

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: From a privileged endpoint (PEP) session, you run the Get-CloudAdMinUserList cmcHet.

Does this meet the goal?

A. Yes

B. No

Answer: B

Question #:30 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that has the App Service resource provider. You have the App Service Environment (ASE) shown in the following table.

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Name	Compute mode
Worker1	Shared
Worker2	Shared
Worker3	Shared
Worker4	Shared
Worker5	Shared
Worker6	Shared
Worker7	Dedicated
Worker8	Dedicated

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You need to ensure that web apps and function apps remain available during upgrades and maintenance events.

What is the minimum number of additional worker nodes you should deploy? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

D:\mudassar\Untitled.jpg

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Question #:31 - (Exam Topic 4)

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.

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Answer:

Explanation

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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-conne

Question #:32 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is disconnected from the internet. The integrated system has an Azure App Service resource provider.

You generate a new certificate.

You need to rotate the certificate of the App Service identity application to use the new certificate.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. From the administrator portal, get the value of the default provider subscription object ID.

B. From a privileged endpoint (PEP) session, run the Export-Cercificace cmdlet. and then run the Import-Certificace cmdlet

C. From a privileged endpoint (PEP) session, run the New-Object cmdlet. and then run the import-PfxCertificace cmdlet

D. From a privileged endpoint (PEP) session, run the New-Objecc cmdlet, and then run the Sec-GraphApplicacion cmdlet

E. From the administrator portal, get the value of the AzureStack-AppService object ID.

Answer: D E

Explanation

Your choice of either Azure AD or AD FS is determined by the mode in which you deploy Azure Stack Hub:

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When you deploy it in a connected mode, you can use either Azure AD or AD FS.

When you deploy it in a disconnected mode, without a connection to the internet, only AD FS is supported.

E:

Rotate certificate for AD FS identity application

The identity application is created by the operator before deployment of Azure App Service on Azure Stack Hub. If the application's object ID is unknown, follow these steps to discover it:

- Go to the Azure Stack Hub administrator portal.
- Go to Subscriptions and select Default Provider Subscription.
- Select Access Control (IAM) and select the AzureStack-AppService-<guid> application.
- Take a note of the Object ID, this value is the ID of the Service Principal that must be updated in AD FS.

D: To rotate the certificate for the application in AD FS, you need to have access to the privileged endpoint (PEP). Then you update the certificate credential using PowerShell.

```
# Sign in to PowerShell interactively, using credentials that have access to the VM running the Privileged Endpoint

$Creds = Get-Credential

# Create a new Certificate object from the identity application certificate exported as .cer file

$Cert = New-Object System.Security.Cryptography.X509Certificates.X509Certificate2("<CertificateFileLocation>")

# Create a new PSSession to the PrivelegedEndpoint VM

$Session = New-PSSession -ComputerName "<PepVm>" -ConfigurationName PrivilegedEndpoint -Credential $Creds -SessionOption (New-PSSessionOption -Culture en-US -UICulture en-US)

# Use the privileged endpoint to update the certificate thumbprint, used by the service principal associated with the App Service identity application

$SpObject = Invoke-Command -Session $Session -ScriptBlock {Set-GraphApplication -ApplicationIdentifier "<ApplicationObjectId>" -ClientCertificates $using:Cert}

$Session | Remove-PSSession

# Output the updated service principal details

$SpObject
```

Reference:

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https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-identity-overview

https://learn.microsoft.com/en-us/azure-stack/operator/app-service-rotate-certificates

Question #:33 - (Exam Topic 4)

Which three components are required to configure an Azure Stack Hub infrastructure backup? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. an SMB file share in the trusted network perimeter

B. credentials that have write access to storage

C. an Azure Blob storage account

D. an encryption certificate

E. an SMB file share in Azure

Answer: A B D

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-backup-reference?view=azs-2008

Question #:34 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You plan to apply the latest updates to the integrated system.

You need to identify operational issues that will prevent the updates from being applied.

Which PowerShell cmdlet should you run?

A. Test-AzureStack

B. Test-ModuleManifest

C. Invoke-AzureStackOnDemandLog

D. Read-AzsReadinessReport

Answer: A

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Question #:35 - (Exam Topic 4)

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

You need to make a new image available in Azure Stack Hub Marketplace in the disconnected environment.

From a computer that has Internet access, you download all the required tools.

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

Answer:

Explanation

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Sign in to the Azure subscription used to register Azure Stack Hub

Run the `Install-Module -Name Azs.Syndication.Admin` command

Run the `Select-AzsMarketplaceItem` cmdlet

Run the `Export-AzsMarketplaceItem` cmdlet

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-download-azure-marketplace-item?view=azs-

Question #:36 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is enabled for mufti-tenancy. The integrated system is configured as shown in the following table.

Attribute	Value
Region name	region1
FQDN	contoso.com
Guest directory name	fabrikam.com
Default provider subscription identifier	9ea460a5-611c-4363-b551-8b1b1796d341
Tenant subscription identifier	33f2e2b2-40f4-4d99-9b99-978fa5a33d55
Consumption subscription identifier	229f2d01-adb5-4a73-87a4-767392e9895c
Metering identifier (MID)	a4e0e964-3bd3-4b3e-a12d-7ff35a0300a6

You need lo onboard fabrikam.com as a guest Azure AD tenant to the integrated system.

How should you complete the Power Shell script? To answer, drag the appropriate values to the correct targets. Each value 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.

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Answer:

Explanation

Question #:37 - (Exam Topic 4)

You plan to deploy an Azure Stack Hub integrated system that will connect to the Internet.

You need to define the public VIP pool.

What is the smallest subnet mask that you can use for the public VIP pool?

A. /22

B. /25

C. /26

D. /27

Answer: C

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-network?view=azs-2008

Question #:38 - (Exam Topic 4)

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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.

Answer: C

Reference:

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

Question #:39 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

Answer: B

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Explanation

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

Question #:40 - (Exam Topic 4)

In which three situations should you update the registration of an Azure Stack Hub integrated system? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. when you add or remove nodes for capacity-based billing

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B. when you change the billing model

C. when you add or remove nodes for consumption-based billing

D. when you renew an annual capacity subscription

E. when you enable Azure Stack Hub for multitenancy

F. when you update the Azure Active Directory (Azure AD) home directory

Answer: A B D

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-registration?view=azs-2008&tabs=az1%2Caz

Question #:41 - (Exam Topic 4)

You have an Azure Stack Hub Integrated system that has the following configurations:

• Deployment virtual machine (DVM) IP address: 10.30.1.253

• First host IP address: 10.30.1.193

• Last host IP address: 10.30.1.254

• Subnet mask: 255.255.255.192

• BMC network: 10.30.1.192/26

• Default gateway: 10.30.1.193

• NTP: 10.31.1.2

• DNS: 8.8.8.8

You need to deploy an Operator Access Workstation (OAW) to the Hardware Lifecycle Host (HLH) and configure the network settings for the OAW.

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

NOTE: Each correct selection is worth one point.

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Answer:

Explanation

Box 1: .\New-OAW.ps1

Create the OAW VM using a script

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The following script prepares the virtual machine as the Operator Access Workstation (OAW), which is used to access Microsoft Azure Stack Hub.

- Sign in to the HLH with your credentials.
- Download OAW.zip and extract the files.
- Open an elevated PowerShell session.
- Navigate to the extracted contents of the OAW.zip file.
- Run the New-OAW.ps1 script.

Example: Example: Deploy on HLH using a Microsoft Image

```
$oawRootPath = "D:\oawtest"

$securePassword = Read-Host -Prompt "Enter password for Azure Stack OAW's local administrator" -AsSecureString

if (Get-ChildItem -Path $oawRootPath -Recurse | Get-Item -Stream Zone* -ErrorAction SilentlyContinue | Select-Object FileName)

{ Write-Host "Execution failed, unblock the script files first" }

else { .\New-OAW.ps1 -LocalAdministratorPassword $securePassword }
```

Syntax:

```
New-OAW

-LocalAdministratorPassword <Security.SecureString> `

-IPAddress <String> `

-SubnetMask <String> `

-DefaultGateway <String> `

-DNS <String[]> `

-TimeServer<String> `

[-AzureStackCertificatePath <String>] `

[-AzSStampInfoFilePath <String>] `

[-CertificatePassword <Security.SecureString>] `

[-ERCSVMIP <String[]>] `
```

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[-ImageFilePath <String>] `

[-VirtualMachineName <String>] `

[-VirtualMachineMemory <int64>] `

[-VirtualProcessorCount <int>] `

[-VirtualMachineDiffDiskPath <String>] `

[-PhysicalAdapterMACAddress <String>] `

[-VirtualSwitchName <String>] `

[-ReCreate] `

[-AsJob] `

[-Passthru] `

[-WhatIf] `

[-Confirm] `

[<CommonParameters>]

Box 2: 10.30.1.253

Deployment virtual machine (DVM) IP address: 10.30.1.253

Note:

Parameter:

IPAddress (Required)

The static IPv4 address to configure TCP/IP on the virtual machine.

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/operator-access-workstation

Question #:42 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is enabled for multi-tenancy and contains a user subscription. The subscription contains a user named User1.

The integrated system has the following configurations:

- Region name: region1
- Fully qualified domain name (FQDN): contoso.com

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You need to identify which gallery endpoint URI User1 must use.

How should you complete the script? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or net 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.

Answer:

Explanation

Box 1: portal.

A DNS entry is created for each endpoint in the external DNS zone that's specified at deployment time. For example, the user portal is assigned the DNS host entry of portal.<region>.<fqdn>.

* Portal (user)

Portal.<region>.<fqdn>

Box 2: region1.

Note: Once your item has been successfully published to the marketplace, you can delete the content from the storage account.

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All default gallery artifacts and your custom gallery artifacts are now accessible without authentication under the following URLs:

https://galleryartifacts.adminhosting.[Region].[externalFQDN]/artifact/20161101/[TemplateName]/Deployment

https://galleryartifacts.hosting.[Region].[externalFQDN]/artifact/20161101/[TemplateName]/DeploymentTempl

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-integrate-endpoints

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-create-and-publish-marketplace-item

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Question #:43 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that has several Azure Active Directory (Azure AD) tenants onboarded for various departments at your company. Each department uses a specific tag for every resource it creates.

You need to generate a report to help the finance department perform a chargeback to each department.

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.

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Answer:

Explanation

Graphical user interface, text, application Description automatically generated

Reference:

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https://docs.microsoft.com/en-us/azure-stack/mdc/operator/analyze-usage-tzl?tabs=az1

Question #:44 - (Exam Topic 4)

Your company is a Cloud Solution Provider (CSP).

You are planning the deployment of a multitenant Azure Stack Hub integrated system that will host internal company workloads and customer workloads.

You need to register the integrated system.

Which type of Azure subscription should you use for the registration?

A. Azure Partner Shared Services (APSS)

B. Enterprise Agreement (EA)

C. Pay-As-You-Go (PAYG)

D. CSP

Answer: A

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-add-manage-billing-as-a-csp?view=azs-2008

Question #:45 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You deploy a disconnected Azure Stack Hub integrated system.

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

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

Does this meet the goal?

A. Yes

B. No

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Answer: A

Explanation

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 #:46 - (Exam Topic 4)

You plan to deploy a disconnected Azure Stack Hub integrated system named eastus.azurestack.contoso.com. Azure Stack Hub clients will be isolated from the internet.

You need to identify which certificates and certificate type to use for the deployment.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation

D:\mudassar\Untitled.jpg

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Question #:47 - (Exam Topic 4)

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.

Answer:

Explanation

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Question #:48 - (Exam Topic 4)

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.

Answer:

Explanation

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Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-backup-enable-backup-console?view=azs-20(

Question #:49 - (Exam Topic 4)

You plan to deploy two Azure Stack Hub integrated systems named AZStack1 and AZStack2.

AZStack1 must meet the following requirements:

- Connect to the Internet.
- Have minimal capital expenditures.
- Use the minimum number of on-premises servers for identity.
- Have no existing licenses for Windows virtual machines deployed.

AZStack2 must meet the following requirements:

- Be disconnected from the Internet.
- Use the minimum number of on-premises servers for identity.
- Support the syndication of Azure Stack Hub Marketplace items.

Which identity provider and licensing model should you use for each integrated system? To answer, select the appropriate options in the answer area.

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NOTE: Each correct selection is worth one point.

AZStack1:

- Capacity and Active Directory Federation Services (AD FS)
- Capacity and Azure Active Directory (Azure AD)
- Pay-as-you-use and Active Directory Federation Services (AD FS)
- Pay-as-you-use and Azure Active Directory (Azure AD)

AZStack2:

- Capacity and Active Directory Federation Services (AD FS)
- Capacity and Azure Active Directory (Azure AD)
- Pay-as-you-use and Active Directory Federation Services (AD FS)
- Pay-as-you-use and Azure Active Directory (Azure AD)

Answer:

Explanation

AZStack1:

- Capacity and Active Directory Federation Services (AD FS)
- Capacity and Azure Active Directory (Azure AD)
- Pay-as-you-use and Active Directory Federation Services (AD FS)
- Pay-as-you-use and Azure Active Directory (Azure AD)

AZStack2:

- Capacity and Active Directory Federation Services (AD FS)
- Capacity and Azure Active Directory (Azure AD)
- Pay-as-you-use and Active Directory Federation Services (AD FS)
- Pay-as-you-use and Azure Active Directory (Azure AD)

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-connected-deployment?view=azs-2008

Question #:50 - (Exam Topic 4)

You plan to deploy an Azure Stack Hub integrate system.

You need to configure network connectivity for datacenter network integration.

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Which two routing methods can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Open Shortest Path first (OSPF)

B. BGP

C. static

D. Intermediate System-to- Intermediate System(IS-IS)

Answer: B C

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Question #:51 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You plan to install the Event Hubs resource provider.

You purchase a public wildcard certificate that has a subject name of

*.eventhub.chicago.contoso.com. The path to the certificate is C:\Certificates\ssl.pfx.

You need to validate whether the certificate meets the requirements of Azure Event Hubs.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Install the AzureStack.Identity PowerShell module

B. Rename the certificate file as Eventhub.pfx

C. Run the Invoke-AzsHubEventHubsCertificateValidation cmdlet

D. Run the Invoke-AzsHubDeploymentCertificateValidation cmdlet

E. Install the Microsoft.AzureStack.ReadinessChecker Powershell module

F. Convert the Ssl.pfx file to a CER file

Answer: D E

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-validate-pki-certs?view=azs-2008

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Question #:52 - (Exam Topic 4)

You start the update of an Azure Stack Hub integrated system. The Update run details are shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Currently, the update status is **[answer choice]**.

- running with three errors
- succeeded with three errors
- failed and the update will retry automatically
- failed and the update will NOT retry automatically

In this situation, the Azure Stack Hub operator should **[answer choice]**.

- cancel the update
- contact Microsoft Support
- run the Repair-AzsScaleUnitNode cmdlet
- run the Restart-AzsInfrastructureRole cmdlet
- run the Stop-AzureStack and Start-AzureStack cmdlets

Answer:

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Explanation

Currently, the update status is **[answer choice]**.

- running with three errors
- succeeded with three errors
- failed and the update will retry automatically
- failed and the update will NOT retry automatically

In this situation, the Azure Stack Hub operator should **[answer choice]**.

- cancel the update
- contact Microsoft Support
- run the Repair-AzsScaleUnitNode cmdlet
- run the Restart-AzsInfrastructureRole cmdlet
- run the Stop-AzureStack and Start-AzureStack cmdlets

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-apply-updates?view=azs-2008

Question #:53 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is enabled for multi-tenancy.

You deploy a new computer named Computer1 that runs Windows 11.

You need to connect to the Azure Stack Hub Resource Manager (user) endpoint from Computer1 by using PowerShell.

Which command should you run?

A. Add-AzEnvironment –Name “AzureStackUser” –ArmEndpoint “https://adminmanagement.region1.fabrikam.com”

   Connect-AzAccount –EnvironmentName “AzureStackUser”

B. Add-AzEnvironment –Name “AzureStackUser” –ArmEndpoint “https://management.region1.fabrikam.com”

   Connect-AzureRmAccount –EnvironmentName “AzureStackUser”

C. Add-AzEnvironment –Name “AzureStackUser” –ArmEndpoint “https://portal.region1.fabrikam.com”

   Connect-AzAccount –EnvironmentName “AzureStackUser”

D. Add-AzureEnvironment –Name “AzureStackUser” –ArmEndpoint

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"https://adminmanagement.region1.fabrikam.com"

Connect-AzureRmAccount –EnvironmentName "AzureStackUser"

Answer: B

Explanation

A DNS entry is created for each endpoint in the external DNS zone that's specified at deployment time. For example, the user portal is assigned the DNS host entry of portal.<region>.<fqdn>.

* Azure Resource Manager (user)

Management.<region>.<fqdn>

Incorrect:

Not C: Portal (user)

Portal.<region>.<fqdn>

Not A, Not D: Azure Resource Manager (administrator)

Adminmanagement.<region>.<fqdn>

Note: Portal (administrator)

Adminportal.<region>.<fqdn>

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-integrate-endpoints

Question #:54 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that uses the latest version.

You discover an alert for an external certificate that will expire. You obtain new certificates.

You need to validate that all the components required to change the certificates are in a healthy state, and then renew the certificates.

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

NOTE: Each correct selection is worth one point.

A. Run the Start-SecretRotation and specify the PfxFilePath parameter.

B. Run Start-SecretRotation cmdlet and specify the Internal parameter.

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C. Copy the certificates to Azure Blob storage.

D. Run the Test-AzureStack cmdlet and specify the -Group UpdateReadiness parameter.

Answer: B D

Question #:55 - (Exam Topic 4)

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

You are migrating several Hyper-V workloads to Azure Stack Hub. Billing for the workloads is consumption-based.

You need to predict the ongoing Microsoft subscription charges for the workloads.

You run an Azure Migrate assessment and receive the output shown in the following table.

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Server name	Cores	Memory (In MB)	OS name	Disk 1 size (In GB)	Network throughput (MB per second)	Disk 1 read ops (operations per second)	Disk 1 write ops (operations per second)
VM001.corp.contoso.com	4	4096	Windows Server 2016 (64-bit)	128	10	200	299
VM002.corp.contoso.com	4	4096	Windows Server 2016 (64-bit)	128	15	200	299
VM003.corp.contoso.com	4	4096	Windows Server 2016 (64-bit)	128	130	200	299
VM004.corp.contoso.com	4	4096	Windows Server 2016 (64-bit)	128	120	200	299
VM005.corp.contoso.com	4	4096	Windows Server 2016 (64-bit)	128	4	200	299
VM006.corp.contoso.com	4	4096	Windows Server 2016 (64-bit)	128	12	200	299
VM007.corp.contoso.com	4	4096	Windows Server 2016 (64-bit)	128	129	200	299
VM008.corp.contoso.com	4	4096	Windows Server 2016 (64-bit)	128	300	200	299
VM009.corp.contoso.com	4	4096	Red Hat Enterprise Linux (RHEL) 7.1	128	8	200	299
VM010.corp.contoso.com	4	4096	Oracle Linux 7	128	100	200	299

The values from which three columns affect the ongoing Microsoft subscription charges? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Disk 1 size (In GB)

B. Network throughput (MB per second)

C. Cores

D. Memory (In MB)

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E. Disk 1 read ops (operations per second)

F. Disk 1 write ops (operations per second)

G. OS name

Answer: A C D

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-usage-related-faq?view=azs-2008

Question #:56 - (Exam Topic 4)

You have a multitenant Azure Stack Hub integrated system for a Cloud Solution Provider (CSP). The integrated system is used by several customers.

You hire a new support technician to help manage the integrated system.

You need to configure access for the support technician. The solution must meet the following requirements:

- The technician must be prevented from accessing customer resources.
- The technician must be able to monitor the status of infrastructure backups.
- The technician must be able to create and manage plans, offers, and quotas.

Which built-in role should you assign to the support technician?

A. Reader

B. Owner

C. Use Access Administrator

D. Contributor

E. Backup Operator

Answer: D

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-manage-permissions?view=azs-2008

Question #:57 - (Exam Topic 4)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

You need to update the Azure Event Hubs service.

Solution: From a privileged endpoint (PEP) session, you run the Install-AzsUpdate cmdlet.

Does this meet the goal?

A. Yes

B. No

Answer: A

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-update-monitor?view=azs-2008

Question #:58 - (Exam Topic 4)

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

User1 creates a new virtual machine named VM01.

You need to grant User1 console access to VM01.

Which five 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.

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Answer:

Explanation

Graphical user interface, application Description automatically generated

Question #:59 - (Exam Topic 4)

You plan to publish a custom Azure Stack Hub Marketplace image.

You need to define the name of the image, the name of the offer, and the name of the tenant that tenants will see when they deploy the image.

Which JSON file should you modify?

A. Manifest json

B. Default Template json

C. UIDefinitionjson

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D. Createduidefinition.json

Answer: A

Explanation

Note: Create a Marketplace item

To create a custom marketplace item, do the following:

1. Download the Azure Gallery Packager tool

2. Create an Azure Resource Manager template or use our sample templates for Windows/Linux. These sample templates are provided in the packager tool .zip file you downloaded in step 1.

3. Replace the following highlighted values (those with numbers) in the Manifest.json template with the value that you provided when uploading your custom image.

4. Replace the following highlighted values (those with numbers) in the Manifest.json template with the value that you provided when uploading your custom image.

5. Replace the following highlighted values (those with numbers) in the Manifest.json template with the value that you provided when uploading your custom image.

The following template is a sample of the Manifest.json file:

```
{

"$schema": "https://gallery.azure.com/schemas/2015-10-01/manifest.json#",

"name": "Test", (1)

"publisher": "<Publisher name>", (2)

"version": "<Version number>", (3)

"displayName": "ms-resource:displayName", (4)

"publisherDisplayName": "ms-resource:publisherDisplayName", (5)

"publisherLegalName": "ms-resource:publisherDisplayName", (6)

"summary": "ms-resource:summary",

"longSummary": "ms-resource:longSummary",

"description": "ms-resource:description",

"longDescription": "ms-resource:description",
```

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"links": [

{ "displayName": "ms-resource:documentationLink", "uri": "http://go.microsoft.com/fwlink/?LinkId=532898"
}

],

"artifacts": [

{

"isDefault": true

}

],

"images": [{

"context": "ibiza",

"items": [{

"id": "small",

"path": "icons\\Small.png", (7)

"type": "icon"

},

{

"id": "medium",

"path": "icons\\Medium.png",

"type": "icon"

},

{

"id": "large",

"path": "icons\\Large.png",

"type": "icon"

},

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```
{
"id": "wide",
"path": "icons\\Wide.png",
"type": "icon"
}]
}]
}
```

The following list explains the preceding numbered values in the example template:

(1) - The name of the offer.

(2) - The name of the publisher, without a space.

(3) - The version of your template, without a space.

(4) - The name that customers see.

(5) - The publisher name that customers see.

(6) - The publisher legal name.

(7) - The path and name for each icon.

Reference:
https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-create-and-publish-marketplace-item

Question #:60 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that uses an Active Directory Federation Services (AD FS) identity provider and capacity-based billing.

You have a plan named Plan1 that has the following quota configurations for Microsoft.Compute:

- Maximum number of Availability Sets: 10
- Maximum number of virtual machines: 50
- Maximum number of virtual machine cores: 100
- Maximum number of virtual machine scale sets: 10

You link two offers named Offer1 and Offer2 to Plan1.

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Two user subscriptions named Customer1 and Customer2 are created based on Offer1. A user subscription named Customer3 is created based on Offer2.

Customer1 receives a warning that it provisioned 50 virtual machines.

You need to ensure that Customer1 can provision an additional 25 virtual machines within its existing subscription. The solution must **NOT** affect the quotas of the other user subscriptions.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Add NewPlan as an add-on to Offer1

B. Create a new plan named NewPlan that has the maximum number of virtual machines quota set to 75

C. Add NewPlan to the Customer1 user subscription

D. Create a new plan named NewPlan that has the maximum number of virtual machines quota set to 25

E. Update the quota for Microsoft.Compute in Plan1 to have the maximum number of virtual machines set to 75

F. Create a new offer named Offer3 based on Plan1 and create a new user subscription for Customer1 by using Offer3

Answer: A D

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/service-plan-offer-subscription-overview?view=azs-2008

https://docs.microsoft.com/en-us/azure-stack/operator/create-add-on-plan?view=azs-2008

Question #:61 - (Exam Topic 4)

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

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

Answer: D

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-csp-howto-register-tenants?view=azs-2008&t

Question #:62 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You perform infrastructure backups twice daily.

User workloads are protected by using Azure Site Recovery.

The architect of the user workloads is planning a business continuity disaster recovery (BCDR) strategy.

You need to recommend to the architect which resources to include in the BCDR strategy.

Which two resources should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Azure Key Vault secrets

B. plans, quotas, and offers

C. role-based access control (RBAC) permissions and roles

D. user subscriptions

E. Azure Resource Manager templates for resources used by Azure Stack Hub virtual machines

F. Azure Site Recovery workloads

Answer: E F

Reference:

https://docs.microsoft.com/en-us/azure/architecture/hybrid/azure-stack-vm-dr

Question #:63 - (Exam Topic 4)

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

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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.

Answer:

Explanation

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[ ] -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 | [ ] -RepositoryDir "D:\MarketplaceItems"
- Add-AzsGalleryItem
- Export-AzsMarketplaceItem
- Import-AzsMarketplaceItem
- Select-AzsMarketplaceItem

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-download-azure-marketplace-item?view=azs-

Question #:64 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You deploy a disconnected Azure Stack Hub integrated system.

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

Solution: You review the AzureStackStampDeploymentInfo JSON file.

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Does this meet the goal?

A. Yes

B. No

Answer: A

Explanation

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 #:65 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that uses an identity provider in Azure AD and contains a SQL resource provider.

You plan to implement the App Service resource provider.

You need to deploy a Microsoft SQL Server virtual machine that will be used by the App Service resource provider. The solution must minimize SQL Server licensing costs.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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Answer:

Explanation

Question #:66 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that uses an Azure Active Directory (Azure AD) tenant named contoso.com as an identity provider.

You need to create a certificate file named AzSIBCCert for infrastructure backup.

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.

Answer:

Explanation

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Question #:67 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that has the following configurations:

- A deployment prefix of AzS
- A physical prefix of AzP

You need to renew the certificates for the integrated system.

To which virtual machine should you establish a PowerShell session?

A. AzS-ERCS02

B. AzS-CA01

C. AzS-WAS01

D. AzP-S1-N01

Answer: B

Explanation

https://docs.microsoft.com/en-gb/learn/modules/manage-azure-stack-hub-use-privileged-endpoints/2-connect-pr

Question #:68 - (Exam Topic 4)

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

You have a JSON file that contains the definition of the Reader role.

You need to create a custom role to enable User1 to manage updates for the integrated system.

Which four 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.

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Answer:

Explanation

Step 1: Modify the permissions section of the JSON file

Step 2: Modify the assignableScopes section of the JSON file.

Replace <SubscriptionID> with your Azure subscription ID.

Sample JSON file:

{

"Name": "Azure Stack Hub registration role",

"Id": null,

"IsCustom": true,

"Description": "Allows access to register Azure Stack Hub",

"Actions": [

"Microsoft.Resources/subscriptions/resourceGroups/write",

"Microsoft.Resources/subscriptions/resourceGroups/read",

"Microsoft.AzureStack/registrations/*",

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"Microsoft.AzureStack/register/action",

"Microsoft.Authorization/roleAssignments/read",

"Microsoft.Authorization/roleAssignments/write",

"Microsoft.Authorization/roleAssignments/delete",

"Microsoft.Authorization/permissions/read",

"Microsoft.Authorization/locks/read",

"Microsoft.Authorization/locks/write"

],

"NotActions": [

],

"AssignableScopes": [

"/subscriptions/<SubscriptionID>"

]

}

Step 3: Connect to the administrator Azure Resource Manager (ARM) endpoint.

In PowerShell, connect to Azure to use Azure Resource Manager. When prompted, authenticate using an account with sufficient permissions such as Owner or User Access Administrator.

Connect-AzAccount

Step 4: Run the New-AzRoleDefinition cmdlet.

To create the custom role, use New-AzRoleDefinition specifying the JSON template file.

New-AzRoleDefinition -InputFile "C:\CustomRoles\registrationrole.json

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-registration-role

Question #:69 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You need to ensure that you can recover managed and unmanaged disks that are deleted from user subscriptions.

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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.

Answer:

Explanation

Reference:

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

Question #:70 - (Exam Topic 4)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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: From the Azure portal, you open the **Azure Active Directory** blade and view the users who are assigned the Global administrator role.

Does this meet the goal?

A. Yes

B. No

Answer: B

Reference:

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

Question #:71 - (Exam Topic 4)

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 a privileged endpoint (PEP) session, you run TesT-AzureStack -Group "Default".

Does this meet the goal?

A. Yes

B. No

Answer: B

Question #:72 - (Exam Topic 4)

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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.

Answer:

Explanation

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Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-delegated-provider?view=azs-2008

Question #:73 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You deploy a disconnected Azure Stack Hub integrated system.

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

Solution: You run the Azure Stack Hub Readiness checker tool.

Does this meet the goal?

A. Yes

B. No

Answer: B

Question #:74 - (Exam Topic 4)

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 duster 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 ix 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

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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

Answer: C

Explanation

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

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Question #:75 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

Answer: B

Reference:

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

Question #:76 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You need to update the integrated system to use a non-Windows NTP service that has a host name of ntp1.contoso.com.

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

NOTE: Each correct selection is worth one point.

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Answer:

Explanation

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-configure-time?view=azs-2008

Question #:77 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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B. No

Answer: A

Explanation

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 #:78 - (Exam Topic 4)

You have an Azure Stack Hub integrated system. That uses the Azure App Service resource provider.

You plan to rotate the App Service certificates. The new certificates are stored in a folder named c:\certificates\Appservices.

You need to validate the new certificates.

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

NOTE Each correct selection is worth one point.

Answer:

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Explanation

Question #:79 - (Exam Topic 4)

You deploy an Azure Stack Hub integrated system that contains an Azure App Service deployment. The integrated system uses an Azure Active Directory (Azure AD) identity provider.

You need to provide users with the ability to deploy App Service web apps directly from their GitHub repositories.

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.

Answer:

Explanation

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Create a GitHub action

Register a GitHub application

Modify the Source control configuration settings of the App Service resource provider

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-app-service-configure-deployment-sources?vi

Question #:80 - (Exam Topic 4)

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. one hour

C. 24 hours

D. eight hours

Answer: D

Explanation

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

Question #:81 - (Exam Topic 4)

You have a disconnected Azure Stack Hub integrated system.

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You have a registered app named App1 that has a client ID of 2bbe67d8-3fdb-4b62-87cf-cc41dd4344rf.

You plan to assign a role-based access control (RBAC) role to Appl.

You need to locate App1 in the Azure Stack Hub user portal by using the search feature.

Which prefix should you use?

A. AzureStackHub-app1

B. AxuraStack-appl

C. 2bbe67d8-3fdb-4b62-87cf-cc41dd4344ff

D. app1

Answer: A

Explanation

Under Select, search for your app using a full or partial Application Name. During registration, the Application Name is generated as Azurestack-<YourAppName>-<ClientId>. For example, if you used an application name of App2, and ClientId 2bbe67d8-3fdb-4b62-87cf-cc41dd4344ff was assigned during creation, the full name would be Azurestack-App2-2bbe67d8-3fdb-4b62-87cf-cc41dd4344ff. You can search for either the exact string, or a portion, like Azurestack or Azurestack-App2.

Note: An Application ID, sometimes referred to as a Client ID. A GUID that uniquely identifies the app's registration in your Active Directory tenant.

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/give-app-access-to-resources

Question #:82 - (Exam Topic 4)

You have an Azure Stack Hub Integrated system.

Outbound traffic from the Azure Stack Hub integrated system is controlled by a third-party firewall.

You need to implement the Infrastructure Backup Service.

Which storage location should you use for the backup, and which network port is required to perform the backup? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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Answer:

Explanation

Question #:83 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that uses an Azure AD tenant named contoso.com as an identity provider. An Azure Stack Hub operator named Operator1 is a global administrator for the contoso.com Azure AD tenant. Operator1 creates a new user subscription as shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information

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presented in the graphic

NOTE: Each correct selection is worth one point

Answer:

Explanation

Question #:84 - (Exam Topic 4)

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.

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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.

Answer: A B D

Reference:

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

Question #:85 - (Exam Topic 4)

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

Answer: B

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Question #:86 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Stack Hub integrated system that connects to the Internet. The integrated system uses an Enterprise Agreement (EA) for licensing.

You are creating an Azure Resource Manager template to generate a marketplace item for a virtual machine that runs Windows Server 2019 Datacenter and a custom application.

You need to ensure that Windows Server is licensed by using the bring-your-own-license model.

Solution: You remove the licenseType section from the Azure Resource Manager template.

Does this meet the goal?

A. Yes

B. No

Answer: B

Question #:87 - (Exam Topic 4)

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.

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Answer:

Explanation

Reference:

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

Question #:88 - (Exam Topic 4)

You have two Azure subscriptions named sub1 and sub2. The subscriptions are linked to an Azure AD tenant named contoso.com.

You deploy on Azure Stack Hub integrated system and register the system with sub1.

You open a new PowerShell session and connect to sub1.

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You need to register the Azure Stack Hub integrated system with sub2.

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

Answer:

Explanation

Question #:89 - (Exam Topic 4)

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.

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Answer:

Explanation

Question #:90 - (Exam Topic 4)

You have a connected Azure Stack Hub integrated system.

You plan to deploy Azure Site Recovery to the integrated system.

Which two scenarios will be supported? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. fallback to Azure

B. fallback to Azure Stack Hub

C. failover to Azure Stack HCI

D. failover to Azure

E. failover to Azure Stack Hub

Answer: A D

Question #:91 - (Exam Topic 4)

You plan to deploy a disconnected Azure Stack Hub integrated system that has the following configurations:

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- FQDN: contoso.local
- Region name: region1
- Internal domain name: contoso.com

You need to generate a certificate signing request (CSR) for the new deployment. The solution must prevent the common name (CN) value from being included in the certificate subject.

How should you complete the script? To answer, drag the appropriate values to the correct targets. Each value 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.

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Values

- AAD
- ADFS
- azurestack.contoso.local
- contoso.com
- contoso.local
- New-AzsCertificatesSigningRequest
- New-AzsHubDeploymentCertificateSigningRequest
- New-SelfSignedCertificate

Answer Area

```
$OutputFolder = "$ENV:USERPROFILE\Documents\AzureStackHubCSR"
$Identity = "                    "
$Region = "region1"
$ExternalFQDN = "                    "
$CertSubject = "C=US, ST=Washington, L=Redmond, O=Microsoft,
OU=Azure Stack Hub"
                    -RegionName $Region -FQDN $ExternalFQDN
                    -Subject $CertSubject -OutputRequestPath
                    $OutputFolder -IdentitySystem $Identity
```

Answer:

Explanation

Graphical user interface, text, application, email Description automatically generated

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```
$OutputFolder = "$ENV:USERPROFILE\Documents\AzureStackHubCSR"

$Identity = "        AAD        "

$Region = "region1"

$ExternalFQDN = "  azurestack.contoso.local  "

$CertSubject = "C=US, ST=Washington, L=Redmond, O=Microsoft,
OU=Azure Stack Hub"

        New-                    -RegionName $Region -FQDN $ExternalFQDN
AzsHubDeploymentCertificate     -Subject $CertSubject -OutputRequestPath
     SigningRequest             $OutputFolder -IdentitySystem $Identity
```

Question #:92 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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: From a privileged endpoint (PEP) session, you run the

Get-AzureStackStampInformation cmdlet.

Does this meet the goal?

A. Yes

B. No

Answer: B

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

Question #:93 - (Exam Topic 4)

You have a connected Azure Stack Hub integrated system.

You need to the validate the configuration of the integrated system by using the Test-AzureStack -Include AzsScenarios command.

Which additional parameter should you specify?

A. -ServiceAdminCredential

B. -ConfigurationName

C. -ComputerName

D. -SessionOption

Answer: C

Question #:94 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Stack Hub integrated system that connects to the Internet. The integrated system uses an Enterprise Agreement (EA) for licensing.

You are creating an Azure Resource Manager template to generate a marketplace item for a virtual machine that runs Windows Server 2019 Datacenter and a custom application.

You need to ensure that Windows Server is licensed by using the bring-your-own-license model.

Solution: You add licenseType: None to the Azure Resource Manager template.

Does this meet the goal?

A. Yes

B. No

Answer: B

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Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-windows-server-faq?view=azs-2008&tabs=az

Question #:95 - (Exam Topic 4)

You have a connected Azure Stack Hub integrated system.

You deploy an Operator Access Workstation (OAW).

You need to sign in to the OAW.

Which account should you use?

A. AdminUser

B. AzureStackAdmin

C. CloudAdmin

D. GUser

Answer: A

Explanation

User account policy

The following user account policy is applied to the OAW VM:

Built-in Administrator username: AdminUser

MinimumPasswordLength = 14

PasswordComplexity is enabled

MinimumPasswordAge = 1 (day)

MaximumPasswordAge = 42 (days)

NewGuestName = GUser (disabled by default)

Reference:

https://github.com/MicrosoftDocs/azure-stack-docs/blob/main/azure-stack/operator/operator-access-workstation.

Question #:96 - (Exam Topic 4)

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You have a corrected Azure Stack Hub integrated system.

You need to query the health status of the Key Vault resource provider by using PowerShell

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.

Answer:

Explanation

Question #:97 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

You need to update the Azure Event Hubs service.

Solution: From the Updates blade of the administrator portal, you select the latest update in the infrastructure section.

Does this meet the goal?

A. Yes

B. No

Answer: B

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/resource-provider-apply-updates?view=azs-2008

Question #:98 - (Exam Topic 4)

You are planning the deployment of two Azure Stack Hub integrated systems that will be located in Seattle and Redmond, respectively.

Workloads will run on infrastructure as a service (IaaS) virtual machines that have a static IIS web front-end and a Microsoft SQL Server 2019 cluster backend for database storage.

You plan to leverage Azure Traffic Manager to direct DNS requests to the integrated system in Seattle by default and use the Redmond integrated system in the event of a disaster.

What should you use to replicate application consistent database changes to the Redmond site?

A. Hyper-V Replica

B. Azure Blob storage replication

C. SQL Server replication

D. Azure SQL Database replication

Answer: C

Reference:

https://azure.microsoft.com/en-gb/blog/protecting-applications-and-data-on-azure-stack/

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Question #:99 - (Exam Topic 4)

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

You need to update the Azure Event Hubs service.

Solution: From the Updates blade of the administrator portal, you trigger the installation of the latest update listed in the Resource provider section.

Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation

Instead: Solution: From a privileged endpoint (PEP) session, you run the Install-AzsUpdate cmdlet.

You can use the Azure Stack Hub administrative endpoints to monitor and manage your updates. They're accessible with PowerShell. For instructions on getting set up with PowerShell on Azure Stack Hub.

You can use the following PowerShell cmdlet to manage your updates:

* Install-AzsUpdate

Apply a specific update at an update location.

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-update-monitor?view=azs-2008

Question #:100 - (Exam Topic 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

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C. *.hosting.region1.azurestack.local

D. *.adminhosting.region 1.azurestack.local

Answer: D

Explanation

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 wild card 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:

Table Description automatically generated

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>

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.cc

Present this CSR to your Certificate Authority for Certificate Generation:

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C:\Users\username\Documents\AzureStackCSR\Deployment_east_azurestack_contoso_com_SingleCSR_CertR

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 #:101 - (Exam Topic 4)

You deploy an App Service resource provider to an Azure Stack Hub integrated system.

You need to create an offer to deploy an Azure Functions app by using the resource provider.

Which resource provider should you specify in the offer, and which type of subscription should you use to test the functionality of the offer? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

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Box 1: Microsoft.Web

Resource providers for Azure services

Match resource provider to service (Resource provider namespace, Azure service)

* Microsoft.Web

App Service

Azure Functions

Box 2: Default Provider Subscription

In Azure Stack Hub Subscriptions, select the Default Provider Subscription. Azure App Service on Azure Stack Hub must be deployed in the Default Provider Subscription.

Reference:

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/azure-services-resource-providers

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-app-service-deploy

Question #:102 - (Exam Topic 4)

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".

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Does this meet the goal?

A. Yes

B. No

Answer: A

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Question #:103 - (Exam Topic 4)

You have a connected Azure Stack Hub integrated system.

You need to identify which users can access the privileged endpoint (PEP).

Which cmdlet should you run?

A. Get-Cloudadminuserlist

B. Get-AzureADUser

C. Get-AzContext

D. Get-Mosluser

Answer: C

Question #:104 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

You need to update the Azure Event Hubs service.

Solution: From the Updates blade of the administrator portal, you trigger the installation of the latest update listed in the Infrastructure section.

Does this meet the goal?

A. Yes

B. No

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Answer: B

Explanation

Instead: Solution: From a privileged endpoint (PEP) session, you run the Install-AzsUpdate cmdlet.

You can use the Azure Stack Hub administrative endpoints to monitor and manage your updates. They're accessible with PowerShell. For instructions on getting set up with PowerShell on Azure Stack Hub.

You can use the following PowerShell cmdlet to manage your updates:

* Install-AzsUpdate

Apply a specific update at an update location.

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-update-monitor?view=azs-2008

Question #:105 - (Exam Topic 4)

You have an Azure Stack Hub integrated system. The current VIP pool uses a subnet of 192.168.203.0/24 and has routing configured to use BGP.

In the administrator portal, you receive an alert that the public IP addresses are at 95 percent utilization.

You need to add 192.168.204.0/24 to the public IP address pool.

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.

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Answer:

Explanation

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Add public IP addresses

Add the IP address range to Azure Stack Hub

- In a browser, go to your administrator portal dashboard. For this example, we'll use https://adminportal.local.azurestack.external.
- Sign in to the Azure Stack Hub administrator portal as a cloud operator. (Step 1)
- On the default dashboard, find the Region management list and select the region you want to manage.

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For this example, we use local.

- Find the Resource providers tile and click on the network resource provider. (Step 2)
- Click on the Public IP pools usage tile. (Step 2)
- Click on the Add IP pool button. (Step 3)
- Provide a name for the IP pool. The name you choose helps you easily identify the IP pool. You can't use a special character like "/" in this field. It's a good practice to make the name the same as the address range, but that isn't required.
- Enter the address block you want to add in CIDR notation. For example: 192.168.203.0/24
- When you provide a valid CIDR range in the Address range (CIDR block) field the Start IP address, End IP address and Available IP addresses fields will automatically populate. They're read-only and automatically generated so you can't change these fields without modifying the value in the Address range field.
- After you review the info on the blade and confirm that everything looks correct, select Ok to commit the change and add the address range to Azure Stack Hub.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-add-ips

Question #:106 - (Exam Topic 4)

You have an Azure Slack Hub integrated system and a computer named Computer1 that runs Windows 11. You need to deploy the Azure Stack Hub PowerShell tools to Computer1. What should you do first?

A. Connect to the privileged endpoint (PEP).

B. Copy the AzureStack module from the Hardware Lifecycle Host (HLH).

C. Download AzureStack-Tools from the GitHub repository.

D. Download the AzureStack module from PowerShell Gallery.

Answer: C

Explanation

Download Azure Stack Hub tools from GitHub

AzureStack-Tools is a GitHub repository that hosts PowerShell modules for managing and deploying resources to Azure Stack Hub. If you're planning to establish VPN connectivity, you can download these PowerShell modules to the Azure Stack Development Kit (ASDK), or to a Windows-based external client.

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-powershell-download

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Question #:107 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that has syslog forwarding configured.

You need to remove syslog forwarding and the associated certificate.

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.

Answer:

Explanation

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-integrate-security?view=azs-2008

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Question #:108 - (Exam Topic 4)

You plan to deploy a highly available Azure App Service resource provider to an Azure Stack Hub integrated system.

You need to ensure that the App Service resource meets the prerequisites. The solution must minimize costs.

Which two resources should you deploy? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. a highly available Microsoft SQL Server 2019 instance in the default provider subscription

B. a highly available file server in a dedicated user subscription

C. a highly available file server in the default provider subscription

D. a highly available Microsoft SQL Server 2019 instance in a dedicated user subscription

E. a single file server in the default provider subscription

F. a single Microsoft SQL Server 2019 instance in the default provider subscription

Answer: A C

Reference:

https://blog.apps.id.au/adventures-cloud-operator-highly-available-app-service-1-4-azure-stack-step-2-deployme

Question #:109 - (Exam Topic 4)

You have a connected Azure Stack Hub integrated system.

You perform the following tasks:

• On a server named SERVER1. you create a file share named AzSHLogs.

• You create a PowerShell remoting session to the privileged endpoint (PEP) of the integrated system.

• In a variable named $Session, you store a reference to the session.

• In a variable named $AdHinCredentials. you store a reference to the credentials required to write to AzSHLogs.

You need to collect the Hyper-V event logs for all the cluster hosts and copy the logs to the AzSHLogs share. How should you complete the PowerShell script? To answer, select the appropriate options in the answer area.

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Answer:

Explanation

Box 1: $using:AdminCredentials

Box 2: Storage

Send Azure Stack Hub diagnostic logs by using the privileged endpoint (PEP)

To run Get-AzureStackLog on an integrated system, you need to have access to the privileged endpoint (PEP). Here's an example script you can run using the PEP to collect logs.

$ipAddress = "<IP ADDRESS OF THE PEP VM>" # You can also use the machine name instead of IP here.

$password = ConvertTo-SecureString "<CLOUD ADMIN PASSWORD>" -AsPlainText -Force

$cred = New-Object -TypeName System.Management.Automation.PSCredential ("<DOMAIN NAME>\CloudAdmin", $password)

$shareCred = Get-Credential

$session = New-PSSession -ComputerName $ipAddress -ConfigurationName PrivilegedEndpoint -Credential $cred -SessionOption (New-PSSessionOption -Culture en-US -UICulture en-US)

$fromDate = (Get-Date).AddHours(-8)

$toDate = (Get-Date).AddHours(-2) # Provide the time that includes the period for your issue

Invoke-Command -Session $session { Get-AzureStackLog -OutputSharePath "<EXTERNAL SHARE ADDRESS>" -OutputShareCredential $using:shareCred -FilterByRole Storage -FromDate $using:fromDate -ToDate $using:toDate}

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```
if ($session) {

Remove-PSSession -Session $session

}
```

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-get-azurestacklog

Question #:110 - (Exam Topic 4)

You have a connected Azure Stack Hub integrated system.

You need to deploy an Operator Access Workstation (OAW) virtual machine image.

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.

Answer:

Explanation

Step 1: Connect to the Hardware Lifecycle Host (HLH)

Create the OAW VM using a script

The following script prepares the virtual machine as the Operator Access Workstation (OAW), which is used to access Microsoft Azure Stack Hub.

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- Sign in to the HLH with your credentials. (Step 1)
- Download OAW.zip and extract the files. (Step 2)
- Open an elevated PowerShell session. (Step 3)
- Navigate to the extracted contents of the OAW.zip file.
- Run the New-OAW.ps1 script.

Step 2: From microsoft.com, download the OAW.zip file and extract the contents

Download files

Because of the stateless nature of the solution, there are no updates for the OAW VM. For each milestone, a new version of the VM image file is released. Use the latest version to create a new OAW VM. The image file is based on the latest Windows Server 2019 version. After installation, you can apply updates, including any critical updates, using Windows Update.

Validate the hash of the downloaded OAW.zip file to make sure it hasn't been modified before using it to create the OAW VM.

Step 3: From an elevated PowerShell session, run the New-OAW.ps1 script.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/operator-access-workstation

Question #:111 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that contains a guest Azure AD tenant named fabrikam.com.

You need to unregister fabrikam.com.

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.

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Answer:

Explanation

Step 1: Connect to the Azure Resource Manager (ARM) endpoint

Compare to the steps in the note below.

Use https://adminmanagement.<region>.<domain>

Azure Resource Manager (administrator)

Adminmanagement.<region>.<fqdn>

Azure Resource Manager (user)

Management.<region>.<fqdn>

Step 2: Run the –Unregister-AzSGuestDirectoryTenant cmdlet.

Unregister a guest directory

If you no longer want to allow sign-ins to Azure Stack Hub services from a guest directory tenant, you can unregister the directory. Again, both the home Azure Stack Hub directory and guest directory need to be configured.

Configure guest directory

Step 3: Instruct the global administrator of fabrikam.com to run the –unregister- AzsWithMyDirectoryTenant

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cmdlet.

Configure guest directory

Note: Enabling AAD Multi-Tenancy in Azure Stack

Allowing users and service principals from multiple AAD directory tenants to sign in and create resources on Azure Stack. There are two personas involved in implementing this scenario.

1. The Administrator of the Azure Stack installation

2. The Directory Tenant Administrator of the directory that needs to be onboarded to Azure Stack

Step 1: Onboard the Guest Directory Tenant to Azure Stack

This step will let Azure Resource manager know that it can accept users and service principals from the guest directory tenant.

$adminARMEndpoint = "https://adminmanagement.<region>.<domain>"

$azureStackDirectoryTenant = "<homeDirectoryTenant>.onmicrosoft.com" # this is the primary tenant Azure Stack is registered to

$guestDirectoryTenantToBeOnboarded = "<guestDirectoryTenant>.onmicrosoft.com" # this is the new tenant that needs to be onboarded to Azure Stack

$location = "local"

Register-AzsGuestDirectoryTenant -AdminResourceManagerEndpoint $adminARMEndpoint `

-DirectoryTenantName $azureStackDirectoryTenant `

-GuestDirectoryTenantName $guestDirectoryTenantToBeOnboarded `

-ResourceGroupName "system.local" `

-Location $location

With this step, the work of the Azure Stack administrator is done.

Guest Directory Tenant Administrator

Step 2: Registering Azure Stack applications with the Guest Directory

Execute the following cmdlet as the administrator of the directory that needs to be onboarded, replacing $guestDirectoryTenantName with your directory domain name

$tenantARMEndpoint = "https://management.<region>.<domain>"

$guestDirectoryTenantName = "<guestDirectoryTenant>.onmicrosoft.com" # this is the new tenant that needs to be onboarded to Azure Stack

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Register-AzsWithMyDirectoryTenant -TenantResourceManagerEndpoint $tenantARMEndpoint `

-DirectoryTenantName $guestDirectoryTenantName

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/enable-multitenancy

https://github.com/Azure/AzureStack-Tools/blob/master/Identity/README.md

https://learn.microsoft.com/en-us/azure-stack/operator/enable-multitenancy

Question #:112 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You need to add GPUs to the integrated system. The solution must minimize downtime of the existing Azure Stack Hub workloads.

Which PowerShell cmdlet should you run first?

A. Scop-AzureScack

B. Resec-DacacencerlncegrationConfiguration

C. Rescarc-AzsInfrascruccureRolelnscance

D. Disable-AzsScaleUnitNode

Answer: A

Explanation

Note: Upgrade GPUs or add to an existing node

The following section provides a high-level overview of the process to add a GPU.

- The entire scale unit must be shut down, as a rolling GPU upgrade isn't supported. Stop Azure Stack Hub using the steps documented in the Start and stop Azure Stack Hub article.
- Add or upgrade the memory on each physical computer using your hardware manufacturer's documentation.
- Start Azure Stack Hub using the steps in Start and stop Azure Stack Hub.

Note: Stop Azure Stack Hub

Stop or shut down Azure Stack Hub with the following steps:

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1. Prepare all workloads running on your Azure Stack Hub environment's tenant resources for the upcoming shutdown.

2. Open a privileged endpoint session (PEP) from a machine with network access to the Azure Stack Hub ERCS VMs. For instructions, see Using the privileged endpoint in Azure Stack Hub.

3. From the PEP, run:

Stop-AzureStack

Wait for all physical Azure Stack Hub nodes to power off.

Note

You can verify the power status of a physical node by following the instructions from the original equipment manufacturer (OEM) who supplied your Azure Stack Hub hardware.

4. (Optional) If the stop operation times out, you can monitor its progress using the following PowerShell cmdlet:

Get-ActionStatus Stop-AzureStack

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/manage-gpu-capacity

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-start-and-stop

Question #:113 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is disconnected from the internet. The integrated system contains an Azure App Service deployment.

You anticipate a major increase in new App Service workloads. The integrated system has the required hardware to handle the increased demand.

You need to ensure that App Service can support the increased workloads.

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

NOTE: Each correct selection is worth one point.

A. Increase the user subscription quotas.

B. Add an additional scale unit node.

C. From the user portal, increase workers in App Service.

D. Enable new identity and access management roles for the user subscription.

E. From the administrator portal, increase workers in App Service.

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Answer: A B E

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-app-service-add-worker-roles?view=azs-2008

Question #:114 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that contains 20 subscriptions. The subscriptions use custom storage and compute quotas.

You need to delete the custom quotas.

Which three Azure Stack Hub objects should you delete in sequence before you can delete the quotas? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Answer:

Explanation

Step 1: user subscriptions

If you want to delete a quota, you must work back through any plans and offers that use that quota. Starting with the offers, ensure they have no subscriptions, delete each offer, then delete the plans that use the quota, and so on.

Step 2: offers

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Deleting an offer is only possible if there are no subscriptions that belong to that offer.

Step 3: plans

You can't delete a quota if there are any current plans that use it. You must first delete the plan that references the quota.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-delete-offer

Question #:115 - (Exam Topic 4)

You are troubleshooting an Azure Stack Hub integrated system.

A Microsoft Support Engineer needs to review automatically uploaded logs.

What should you provide to the Microsoft Support Engineer?

A. the Azure AD tenant ID

B. the metering subscription ID

C. the Microsoft Partner Network (MPN) number

D. the Azure Stack Hub Cloud ID

E. the default service provider subscription ID

Answer: D

Explanation

The Cloud ID is the unique ID for tracking support data uploaded from a specific scale unit. When diagnostic logs are uploaded for support analysis, the Cloud ID is how the logs are associated with that scale unit.

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-find-cloud-id?

Question #:116 - (Exam Topic 4)

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

You attempt to download an image as shown in the Add from Azure exhibit. (Click the **Add from Azure** tab.)

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The Marketplace item blade for [smalldisk] Windows Server 2019 Datacenter-Pay as you go is shown in the item exhibit. (Click the **Item** tab.)

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The marketplace items are shown in the Marketplace Items exhibit. (Click the **Marketplace Items** tab.)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

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Statements	Yes	No
Before you can make the [smalldisk] Windows Server 2019 Datacenter-Bring your own license image available, the currently installed image must be deleted.	○	○
There is an updated version of the [smalldisk] Windows Server 2019 Datacenter-Pay as you go image that can be downloaded.	○	○
You can delete the [smalldisk] Windows Server 2019 Datacenter-Pay as you go image.	○	○

Answer:

Explanation

Graphical user interface, text, application, email Description automatically generated

Statements	Yes	No
Before you can make the [smalldisk] Windows Server 2019 Datacenter-Bring your own license image available, the currently installed image must be deleted.	○	○
There is an updated version of the [smalldisk] Windows Server 2019 Datacenter-Pay as you go image that can be downloaded.	○	○
You can delete the [smalldisk] Windows Server 2019 Datacenter-Pay as you go image.	○	○

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-windows-server-faq?view=azs-2102&tabs=az

Question #:117 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that has 12 nodes. All the nodes run the latest firmware available from the OEM. The integrated system also has a hot spare node.

You receive an alert concerning the hardware on one of the nodes.

You need to replace the node as soon as possible. The solution must minimize disruptions to user workloads.

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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.

Answer:

Explanation

Graphical user interface, text, application Description automatically generated

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-replace-node?view=azs-2008

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-node-actions?view=azs-2008&tabs=az1

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Eight hours ago, you received a critical alert for Azure Event Hubs.

A Microsoft Support Engineer requests that you send the Event Hubs logs only from the six hours following the alert.

Which command should you run from a privileged endpoint (PEP) session to collect only the required logs?

A. Get-AzureStacklog –FromDate (Get-Date).AddHours(–8)

–Todate (Get-Date).AddHours(–2) –OutputSasUri "<SasUri>"

–FilterByRole "EventHub"

B. Get-AzureStacklog –FromDate (Get-Date).AddHours(–8)

–Todate (Get-Date).AddHours(–2) –OutputSasUri "<SasUri>"

–FilterByResourceProvider "EventHub"

C. Get-AzureStacklog –FromDate (Get-Date).AddHours(–8)

–Todate (Get-Date).AddHours(–2) –OutputSasUri "<SasUri>"

D. Get-AzureStacklog –FromDate (Get-Date).AddHours(–8)

–Todate (Get-Date).AddHours(–2) –OutputSasUri "<SasUri>"

–FilterByNode "EventHub"

Answer: B

Reference:

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

Question #:118 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You plan to enable Azure Command-Line Interface (CLI) for Azure Stack Hub users.

You create an alias template file.

You need to configure the virtual machine aliases endpoint. The solution must use the principle of least privilege.

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.

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Answer:

Explanation

Step 1: Create a storage account

A sample alias file with many common image aliases is available. You can use that as a starting point. Host this file in a space where your CLI clients can reach it. One way is to host the file in a blob storage account and share the URL with your users:

1. Download the sample file from GitHub.

2. Create a storage account in Azure Stack Hub (Step 1). When that's done, create a blob container. Set the access policy to "public." (Step 2)

3. Upload the JSON file to the new container (Step 3). When that's done, you can view the URL of the blob.

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Select the blob name and then select the URL from the blob properties.

Step 2: Create a blob container and set the Public access to Blob.

Set up the VM aliases endpoint

Azure Stack Hub operators should set up a publicly accessible endpoint that hosts a VM alias file. The VM alias file is a JSON file that provides a common name for an image. You use the name when you deploy a VM as an Azure CLI parameter.

Note: When public access is allowed for a storage account, you can configure a container with the following permissions:

* Public read access for blobs only: Blobs within the container can be read by anonymous request, but container data is not available anonymously. Anonymous clients cannot enumerate the blobs within the container.

* Public read access for container and its blobs: Container and blob data can be read by anonymous request, except for container permission settings and container metadata. Clients can enumerate blobs within the container by anonymous request, but cannot enumerate containers within the storage account.

* No public read access: The container and its blobs can be accessed only with an authorized request. This option is the default for all new containers.

Step 3: To the container, upload the alias template as a JSON file.

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-cli-admin

https://learn.microsoft.com/en-us/azure/storage/blobs/anonymous-read-access-configure

Question #:119 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

The Volumes list for the integrated system is shown in the following exhibit.

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Volume label	Scale unit	Health status	Used	Available	Total	Usage
Infrastructure_1	S-Cluster	Healthy	582 GB	697 GB	1.25 TB	46%
Infrastructure_2	S-Cluster	Healthy	1.26 TB	351 GB	1.6 TB	79%
Infrastructure_3	S-Cluster	Healthy	264 GB	407 GB	671 GB	39%
ObjStore_1	S-Cluster	Healthy	12.73 TB	2.07 TB	14.8 TB	86%
ObjStore_2	S-Cluster	Healthy	1.4 TB	13.4 TB	14.8 TB	9%
ObjStore_3	S-Cluster	Healthy	1.9 TB	12.91 TB	14.8 TB	13%
ObjStore_4	S-Cluster	Healthy	1.38 TB	13.43 TB	14.8 TB	9%
VmTemp_1	S-Cluster	Healthy	15 GB	1.29 TB	1.3 TB	1%
VmTemp_2	S-Cluster	Healthy	15 GB	1.29 TB	1.3 TB	1%
VmTemp_3	S-Cluster	Healthy	15 GB	1.29 TB	1.3 TB	1%
VmTemp_4	S-Cluster	Healthy	15 GB	1.29 TB	1.3 TB	1%

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

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Answer Area

The integrated system contains **<answer choice>** nodes. 4

Based on the usage of the ObjStore_1 volume, **[answer choice]** will be generated on the Alerts blade. no alert

Question #:120 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is enabled for multitenancy.

The Directories list for the integrated system is shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

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The number of tenant domains registered to the integrated system is **[answer choice]**.

- 1
- 2
- 3
- 4

The **[answer choice]** can update the ITHCSubA2021.onmicrosoft.com directory.

- owner of the default provider subscription
- global administrator of ITHCSubA2021.onmicrosoft.com
- global administrator of TestAzSHAzModules6.onmicrosoft.com

Answer:

Explanation

Box 1: 3

3 registered, and one in need of an update.

Note: Update the Azure Stack Hub directories

When an Azure Stack Hub directory update is required, a status of Update Required is shown. For example:

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To update the directory, select the Directory name checkbox, and then select Update.

Box 2: global administrator of ITHCSubAS2021.onmicrosoft.com

The guest directory ITHCSubAS2021.onmicrosoft.com needs an update.

Update the guest directory

An Azure Stack Hub operator should also inform the guest directory owner that they need to update their directory by using the URL shared for registration.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/enable-multitenancy

Question #:121 - (Exam Topic 4)

You open the Resource providers blade for a user subscription as shown in the following exhibit.

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Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Users of the user subscription can deploy **[answer choice]** successfully.

- an App Service plan
- an event hub
- a key vault
- a virtual network

You must make the **[answer choice]** resource provider available before users of the user subscription can create virtual machines.

- Microsoft.Compute
- Microsoft.KeyVault
- Microsoft.Subscription
- Microsoft.VirtualMachineImages

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Answer:

Explanation

Graphical user interface, text, application, email Description automatically generated

Users of the user subscription can deploy **[answer choice]** successfully.

- an App Service plan
- an event hub
- a key vault
- a virtual network

You must make the **[answer choice]** resource provider available before users of the user subscription can create virtual machines.

- Microsoft.Compute
- Microsoft.KeyVault
- Microsoft.Subscription
- Microsoft.VirtualMachineImages

Reference:

https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/azure-services-resource-providers

Question #:122 - (Exam Topic 4)

Your company is a Cloud Solution Provider (CSP) that provides Azure Stack Hub services to multiple customers in a multitenant environment.

User subscriptions are linked to Azure CSP subscriptions for billing reconciliation.

You need to view the usage of all the customers for the current day and the last seven days.

What should you do?

A. Query the Azure Stack Hub usage API

B. Query the Partner Center Usage API

C. From Partner Center, download the daily-rated usage reconciliation CSV

D. From Partner Center, view the usage associated to the Azure Partner Shared Services (APSS) subscription

Answer: B

Reference:

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https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-provider-resource-api?view=azs-2008

Question #:123 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is enabled for multitenancy and uses an Azure Active Directory (Azure AD) tenant named fabrikam.com as an identity provider.

The integrated system has the following guest directory tenants onboarded and enabled for multitenancy:

- com
- onmicrosoft.com
- onmicrosoft.com

You need to verify whether all the guest directory tenants are registered properly.

How should you complete the PowerShell script? To answer, drag the appropriate cmdlet to the correct targets. Each cmdlet 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.

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Answer Area

```
$ArmEndpoint = [ ▼ ]
```

- "https://adminmanagement.region1.fabrikam.com"
- "https://adminportal.region1.fabrikam.com"
- "https://management.region1.fabrikam.com"
- "https://portal.region1.fabrikam.com"

```
$DirectoryTenantName = [ ▼ ]
```

- "contoso.com"
- "contoso.onmicrosoft.com"
- "fabrikam.com"
- "fabrikam.onmicrosoft.com"

```
$GuestDirectorySettings = [ ▼ ] AdminResourceManagerEndpoint $ArmEndpoint -DirectoryTenantName $DirectoryTenantName
```

- Get-AzsDirectoryTenantidentifier
- Get-AzsHealthReport
- Get-AzsUserSubscription
- Get-AzureADDirectorySetting
- Get-AzureADUserDirectReport

```
Write-Output -InputObject "Healthy guest directory tenants:"

$GuestDirectorySettings.DirectoryTenants | Where status -EQ 'Healthy' | Select -Object -Property TenantName,
TenantId, Status | Format-Table

Write-Output -InputObject "Unhealthy guest directory tenants:"

$GuestDirectorySettings.DirectoryTenants | Where status -NE 'Healthy' | Select
-Property TenantName, TenantId, Status, | Format-Table
```

Answer:

Explanation

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```
$ArmEndpoint = [ "https://adminmanagement.region1.fabrikam.com" | "https://adminportal.region1.fabrikam.com" | "https://management.region1.fabrikam.com" | "https://portal.region1.fabrikam.com" ]

$DirectoryTenantName = [ "contoso.com" | "contoso.onmicrosoft.com" | "fabrikam.com" | "fabrikam.onmicrosoft.com" ]

$GuestDirectorySettings = [ Get-AzsDirectoryTenantidentifier | Get-AzsHealthReport | Get-AzsUserSubscription | Get-AzureADDirectorySetting | Get-AzureADUserDirectReport ] AdminResourceManagerEndpoint $ArmEndpoint

Write-Output -InputObject "Healthy guest directory tenants:"

$GuestDirectorySettings.DirectoryTenants | Where status -EQ 'Healthy' | Select -Object -Property TenantName,
TenantId, Status | Format-Table

Write-Output -InputObject "Unhealthy guest directory tenants:"

$GuestDirectorySettings.DirectoryTenants | Where status -NE 'Healthy' | Select
-Property TenantName, TenantId, Status, | Format-Table
```

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-enable-multitenancy?view=azs-2008

Question #:124 - (Exam Topic 4)

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.

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Answer: B

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-create-offer?view=azs-2008

Question #:125 - (Exam Topic 4)

You plan to deploy an Azure Stack Hub integrated system that will connect to the internet.

You are planning the network design. You plan the address space for the public VIP network and the private network.

Which three additional networks are required for the Azure Stack Hub deployment? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. a switch infrastructure network

B. a DNS network

C. a storage network

D. a hypervisor network

E. a BMC network

F. an infrastructure network

Answer: A E F

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-network?view=azs-2008

Question #:126 - (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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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 a privileged endpoint (PEP) session, you run

Test-AzureStack –Group "UpdateReadiness".

Does this meet the goal?

A. Yes

B. No

Answer: A

Reference:

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

Question #:127 - (Exam Topic 4)

You plan to deploy an Azure Stack Hub integrated system that will use an Azure Active Directory (Azure AD) identity provider.

You obtain certificates for the deployment.

You need to ensure that the certificates meet the prerequisites for Azure Stack Hub.

Which PowerShell cmdlet should you run?

A. Invoke-AzsHubDeploymentCertificateValidation

B. Test-Certificate

C. ConvertTo-AzsPFX

D. Get-PfxCertificate

E. New-AzsHubDeploymentCertificateSigningRequest

Answer: A

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-validate-pki-certs?view=azs-2008

To validate certificates for other Azure Stack Hub services, change the value for -CertificateType. For example:

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App Services

Invoke-AzsHubAppServicesCertificateValidation -CertificatePath C:\Certificates\AppServices -pfxPassword $pfxPassword -RegionName east -FQDN azurestack.contoso.com

DBAdapter

Invoke-AzsHubDBAdapterCertificateValidation -CertificatePath C:\Certificates\DBAdapter -pfxPassword $pfxPassword -RegionName east -FQDN azurestack.contoso.com

EventHubs

Invoke-AzsHubEventHubsCertificateValidation -CertificatePath C:\Certificates

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-validate-pki-certs?view=azs-2108#perform-cc

Question #:128 - (Exam Topic 4)

You have a disconnected Azure Stack Hub integrated system.

You plan to implement an app named App1.

You need to create a new service principal for App1. The solution must maximize security.

What should you do first?

A. Create an app registration in Azure AD.

B. Create a group managed service account (gMSA)

C. Generate an Azure Key Vault secret.

D. Generate an X.509 certificate.

Answer: D

Explanation

You start by creating a new app registration in your directory, which creates an associated service principal object to represent the app's identity within the directory.

Your choice of either Azure AD or AD FS is determined by the mode in which you deploy Azure Stack Hub:

When you deploy it in a connected mode, you can use either Azure AD or AD FS.

When you deploy it in a disconnected mode, without a connection to the internet, only AD FS is supported.

Manage an AD FS app

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If you deployed Azure Stack Hub with AD FS as your identity management service, you must use PowerShell to manage your app's identity. The following examples demonstrate both an X509 certificate and a client secret credential.

Once you have a certificate, use a PowerShell script to register your app and sign in using the app's identity.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/give-app-access-to-resources

Question #:129 - (Exam Topic 4)

You plan to deploy an Azure Stack Hub integrated system to a datacenter.

You need to connect the top-of-rack (ToR) switches to the existing border devices. The solution must ensure that routes propagate dynamically between the ToR switches and the border devices.

What should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: BGP

BGP routing

Using a dynamic routing protocol like BGP guarantees that your system is always aware of network changes and facilitates administration. For enhanced security, a password may be set on the BGP peering between the TOR and the Border.

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Box 2: Layer 3 uplinks with point-to-point connectivity

To integrate Azure Stack Hub to the network it requires uplinks from the Top-of-Rack switches (ToR) to the nearest switch or router, which on this documentation is referred as Border. The ToRs can be uplinked to a single or a pair of Borders.

The top of rack (TOR) switches require Layer 3 uplinks with Point-to-Point IPs (/30 networks) configured on the physical interfaces. Layer 2 uplinks with TOR switches supporting Azure Stack Hub operations isn't supported

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-border-connectivity

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-network

Question #:130 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You need to give a new operator access to the privileged endpoint (PEP) as soon as possible.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Run the New-CloudAdminUser cmdlet.

B. Run the New-AzureADUser cmdlet.

C. Connect to the PEP.

D. Connect to and unlock the PEP.

E. Connect to the administrator management endpoint.

Answer: A C

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-privileged-endpoint?view=azs-2008

Question #:131 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You need to add an additional scale unit node to the system.

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What can you do while the operation to add the new node is being performed?

A. Repair a scale unit node.

B. Stop Azure Stack Hub.

C. Remove a node

D. Create new user subscriptions.

Answer: B

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Question #:132 - (Exam Topic 4)

You have a Windows Server-based certification authority (CA) and a disconnected Azure Stack Hub integrated system.

You need to issue a certificate that will be used to authenticate a service principal when the service principal accesses Azure Stack Hub resources.

How should you configure the certificate? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: Microsoft legacy Cryptographic Service Provider (CSP) key provider

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Give an app access to Azure Stack Hub resources

An application that deploys or configures resources through Azure Resource Manager must be represented by its own identity, known as a security principal. Just as a user is represented by a user principal, an app is represented by a service principal.

Create an app registration that uses a certificate credential

When creating a certificate credential, the following requirements must be met:

* The cryptographic provider must be specified as a Microsoft legacy Cryptographic Service Provider (CSP) key provider.

* The certificate format must be in PFX file, as both the public and private keys are required. Windows servers use .pfx files that contain the public key file (TLS/SSL certificate file) and the associated private key file.

* Etc.

Box 2: .pfx

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/give-app-access-to-resources

Question #:133 - (Exam Topic 4)

You have three Azure Stack Hub integrated systems that use the same Azure Active Directory (Azure AD) tenant named contoso.com as their identity provider. The integrated systems are deployed in Chicago, New York, and Seattle. The region name of each integrated system corresponds to the city in which the system is deployed.

When reviewing alerts in the integrated system in Chicago, you receive an alert indicating that the home directory requires an update.

From the Azurestack-tools-master/identity folder, you import the AzureStack.Identity.psm1 module.

How should you complete the command to update the home directory? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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```
$adminResourceManagerEndpoint =
```

- "https://adminmanagement.chicago.contoso.com"
- "https://adminportal.chicago.contoso.com"
- "https://management.chicago.contoso.com"

```
$homeDirectoryTenantName =
```

- "chicago.contoso.com"
- "chicago.onmicrosoft.com"
- "contoso.com"

```
Update-AzSHomeDirectoryTenant -AdminResourceManagerEndpoint
$adminResourceManagerEndpoint -DirectoryTenantName
$homeDirectoryTenantName -Verbose
```

Answer:

Explanation

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```
$adminResourceManagerEndpoint =
```

- "https://adminmanagement.chicago.contoso.com"
- "https://adminportal.chicago.contoso.com"
- "https://management.chicago.contoso.com"

```
$homeDirectoryTenantName =
```

- "chicago.contoso.com"
- "chicago.onmicrosoft.com"
- "contoso.com"

```
Update-AzSHomeDirectoryTenant -AdminResourceManagerEndpoint
$adminResourceManagerEndpoint -DirectoryTenantName
$homeDirectoryTenantName -Verbose
```

Reference:

https://github.com/Azure/AzureStack-Tools/blob/master/Identity/README.md

Question #:134 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is enabled for multi-tenancy and contains a tenant. The integrated system is configured as shown in the following table.

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Attribute	Value
Region name	region1
FQDN	contoso.com
Default provider subscription identifier	9ea460a5-611c-4363-b551-8b1b1796d341
Tenant subscription identifier	33f2e2b2-40f4-4d99-9b99-978fa5a33d55
Consumption subscription identifier	229f2d01-adb5-4a73-87a4-767392e9895c

You need to configure the URI that will be used by the tenant to query the subscription usage.

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

[▼] /subscriptions/ [▼]

- https://adminmanagement.region1.contoso.com
- https://management.azure.com
- https://management.region1.contoso.com

- 229f2d01-adb5-4a73-87a4-767392e9895c
- 33f2e2b2-40f4-4d99-9b99-978fa5a33d55
- 9ea460a5-611c-4363-b551-8b1b1796d341

```
/providers/Microsoft.Commerce/usageAggregates?reportedStartTime={reportedStartTime}
&reportedEndTime=
={reportedEndTime}&aggregationGranularity=Daily&api-version=2015-06-01-
preview&continuationToken={token-value}
```

Answer:

Explanation

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```
/providers/Microsoft.Commerce/usageAggregates?reportedStartTime={reportedStartTime}
&reportedEndTime=
={reportedEndTime}&aggregationGranularity=Daily&api-version=2015-06-01-
preview&continuationToken={token-value}
```

Box 1: https://management.contoso.com

Do not include the region1 in the URI.

Use management not adminmanagentment (see below).

Note: Tenant resource usage API reference

A tenant can use the tenant APIs to view the tenant's own resource usage data. These APIs are consistent with the Azure usage APIs.

You can use the Windows PowerShell cmdlet Get-UsageAggregates to get usage data, just like in Azure.

API call

Request

The request gets consumption details for the requested subscriptions and for the requested time frame. There is no request body.

Method Request URI

GET https://{armendpoint}/subscriptions/{subId}/providers/Microsoft.Commerce/usageAggregates?reportedStartTim

Parameters

* Armendpoint

Azure Resource Manager endpoint of your Azure Stack Hub environment. The Azure Stack Hub convention is that the name of Azure Resource Manager endpoint is in the format https://management.{domain-name}. For example, for the development kit, the domain name is local.azurestack.external, then the Resource Manager endpoint is https://management.local.azurestack.external.

Box 2: 22f2d01-…

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Use the tenant subscription identifier.

Parameters continued

* subId

Subscription ID of the user who is making the call. You can use this API only to query for a single subscription's usage. Providers can use the provider resource usage API to query usage for all tenants.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-tenant-resource-usage-api

Question #:135 - (Exam Topic 4)

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.

Answer:

Explanation

Box 1: $false

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

Parameter: UsageReportingEnabled True/False

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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're limited to an Active Directory Federation Services (AD FS) identity store and the capacity-based billing model.

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-registration

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

Question #:136 - (Exam Topic 4)

Your company is a Cloud Solution Provider (CSP) named contoso.com.

The company has an Azure Stack Hub integrated system enabled for multitenancy.

You plan to add a new customer. For the customer, you already created an Azure user subscription that uses an Azure AD tenant named the fabrikam.com.

You collect the following information:

• Customer subscription ID: Q7daa8e5-f301-4$65-99c3-dUae36620df

• Registration subscription IB 52949927-abbe-4bb0-ae2a-dfe8f9636899

• Registration resource group name: AzureStack

• Registration name: AzureStack-id9de6l0-9Oc4-48ff-b455-d6ad9eb1b7a4

Vou need to ensure that the fabrAam.com user subscription is billed separately from other user subscriptions. 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.

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Answer:

Explanation

Question #:137 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that was recently moved to a new datacenter and powered on.

You need to verify whether the infrastructure components are fully operational.

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

NOTE: Each correct selection is worth one point.

A. Run the Start-AzureStack cmdlet

B. Run the Test-AzureStack cmdlet

C. Connect to the privileged endpoint (PEP)

D. Connect to the administrator portal

E. Run the Get-AzureStackStampInformation cmdlet

Answer: A B C

Reference:

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

Question #:138 - (Exam Topic 4)

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.

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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	

Answer:

Explanation

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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 #:139 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

You need to create a new offer that can be used only by an operator to provision user subscriptions. The solution must simplify the process for users to create resources.

Which type of offer should you create?

A. public with a base plan only

B. delegated with a base plan only

C. private with a base plan only

D. decommissioned

Answer: B

Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-delegated-provider?view=azs-2008

Question #:140 - (Exam Topic 4)

You have an Azure Stack Hub integrated system linked to an Azure AD tenant named

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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.

Answer:

Explanation

Graphical user interface, text, application Description automatically generated

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.

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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.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/enable-multitenancy

Question #:141 - (Exam Topic 4)

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.

Answer:

Explanation

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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 = "xxxxxxxx-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

Box 2: Microsoft.AzureStack.ReadinessChecker

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://adfs.cont

Reference:

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https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-validate-registration

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-validate-adfs

Question #:142 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is enabled for multi-tenancy.

You receive an alert that one or more guest Azure Active Directory (Azure AD) tenants requires updates to support new features.

You need to identify which Azure AD tenants you must update.

Which two options can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. the App registrations blade of the public Azure portal

B. the Get-AzureADTenancDecail cmdlet

C. the User subscriptions blade of the administrator portal in Azure Stack Hub

D. the Gec-AzsDireccoryTenancidentif ier cmdlet

E. the Directories blade of the administrator portal in Azure Stack Hub

F. the Gec-AzsHealchReporc cmdlet

G. the Gec-AzsAlercs cmdlet

Answer: E F

Explanation

E: You can determine whether an update is required for home or guest directories by viewing the directories pane in the admin portal. Each directory listing shows the type of directory. The type can be a home or guest directory, and its status is shown.

F: .Synopsis

Gets the health report of identity application in the Azure Stack home and guest directories

DESCRIPTION

Gets the health report for Azure Stack identity applications in the home directory as well as guest directories of Azure Stack. Any directories with an unhealthy status need to have their permissions updated.

EXAMPLE

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```
$adminResourceManagerEndpoint = "https://adminmanagement.local.azurestack.external"

$homeDirectoryTenantName = "<homeDirectoryTenant>.onmicrosoft.com"

Get-AzsHealthReport -AdminResourceManagerEndpoint $adminResourceManagerEndpoint `

-DirectoryTenantName $homeDirectoryTenantName -Verbose
```

Examples.

Example 1: Get details for a tenant

```
PS C:\>Get-AzureADTenantDetail

ObjectId DisplayName VerifiedDomains

-------- ----------- ---------------

85b5ff1e-0402-400c-9e3c-0f9e965325d1 Coho Vineyard & Winery {class VerifiedDomain {..
```

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/enable-multitenancy

https://github.com/Azure/AzureStack-Tools/blob/master/Identity/AzureStack.Identity.psm1

Question #:143 - (Exam Topic 4)

You have an Azure Stack Hub integrated system.

The retention period for storage accounts is set to 7 days.

A user reports that a storage account named hr12943 was deleted accidentally two days ago.

You need to restore hr12943.

Which four 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.

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Answer:

Explanation

Step 1: Connect to the administrator portal

Find a storage account

The list of storage accounts in the region can be viewed in Azure Stack Hub by following these steps:

1. Sign in to the administrator portal https://adminportal.local.azurestack.external.

2. Select All services > Storage > Storage accounts.

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By default, the first 10 accounts are displayed. You can choose to fetch more by clicking the Load more link at the bottom of the list.

Step 2: Open the Storage accounts blade.

Step 3: Select hr12943.

Once you've located the accounts you're interested in viewing, you can select the particular account to view certain details. A new pane opens with the account details. These details include the kind of account, creation time, location, and so on.

Step 4: Select Recover.

Recover a deleted account

You may be in a situation where you need to recover a deleted account.

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In Azure Stack Hub, there's a simple way to do that:

- Browse to the storage accounts list. For more information, see Find a storage account at the top of this article.
- Locate that particular account in the list. You may need to filter.
- Check the state of the account. It should say Deleted.
- Select the account, which opens the account details pane. (Step 3 above)
- On top of this pane, locate the Recover button and select it. (Step 4)
- Select Yes to confirm.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-manage-storage-accounts

Question #:144 - (Exam Topic 4)

Your company is a Cloud Solution Provider (CSP).

You plan to create an Azure subscription for a new Azure Stack Hub integrated system and configure Azure Stack Hub to be available to multiple customers. Your company will also have its own workloads deployed to the Azure Stack Hub.

You need to perform the deployment so that usage data for future customers is directed to their Azure subscription.

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.

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Answer:

Explanation

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Reference:

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-add-manage-billing-as-a-csp?view=azs-2008

https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-csp-howto-register-tenants?view=azs-2008&t

Question #:145 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that is configured as shown in the following table.

Configuration	Value
Region name	region1
FQDN	fabrikam.com
Home directory tenant name	contoso.com

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You need to generate certificate signing requests (CSRs) for certificate renewal.

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.

Answer:

Explanation

Question #:146 - (Exam Topic 4)

You have an Azure Stack Hub integrated system that uses an Active Directory (Azure AD) tenant named contoso.com.

An Azure Stack Hub operator named Operator1 receives the alert shown in the following exhibit.

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Name	Severity	Component	State	Created time	Last Modified Time
Pending internal certificate expiration	Warning	AZS-SRNG01	Active	2 days ago	6 hours ago

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

The AZS-SRNG01 certificate will expire in less than **[answer choice]** days.

- 30
- 60
- 90

Operator1 will renew the certificate by **[answer choice]**.

- running the Start-SecretRotation –Internal PowerShell cmdlet from the privileged endpoint (PEP) session
- running the Start-SecretRotation –Internal PowerShell cmdlet from a computer that can access the internal certification authority (CA)
- purchasing a new certificate from a third-party certification authority (CA) and installing the certificate on the Azure Stack Hub integrated system

Answer:

Explanation

Box 1: 30 days

We cannot tell for sure without the exhibit. It would likely be either 30 or 90 days.

The Azure Stack Hub root certificate is provisioned during deployment with an expiration of five years. Starting with 2108, internal secret rotation also rotates the root certificate. The standard secret expiration alert identifies the expiry of the root certificate and generates alerts at both 90 (warning) and 30 (critical) days.

Note: Manual remediation

If the Repair option is not supported, be sure to follow the complete set of remediation instructions provided in the alert. As an example, the internal certificate expiration remediation steps will guide you through the

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process of secret rotation:

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Pending internal certificate expiration

Alert details

Close alert

NAME	Pending internal certificate expiration
SEVERITY	Critical
STATE	Active
CREATED TIME	11-03-2020 02:58:44
UPDATED TIME	11-03-2020 02:58:44
COMPONENT	VMAZS-ACS01
DESCRIPTION	One or more internal certificates will expire within 30 days. The expiring certificates have the following Subject Names: CN=Deployment Client Certificate (AAD), OU=AzureStack and Subject Alternate Names: DNS Name=Deployment Client Certificate (AAD).
REMEDIATION	1. Follow the steps to rotate internal certificates at https://aka.ms/azsrotateinternalcertificates . 2. If the problem persists, please contact Support. Before you do, start the log file collection process using the guidance from https://aka.ms/azurestacklogfiles .

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Box 2: running the Start-SecreatRotation –Internal PowerShell cmdlet from the priveged endpoint (PEP) session

Start-SecretRotation cmdlet rotates the infrastructure secrets of an Azure Stack Hub system. This cmdlet can only be executed against the Azure Stack Hub privileged endpoint, by using an Invoke-Command script block passing the PEP session in the -Session parameter. By default, it rotates only the certificates of all external network infrastructure endpoints.

Reference:

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-rotate-secrets

https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-monitor-health

Question #:147 - (Exam Topic 4)

You are planning an Azure Slack Hub deployment for an enterprise customer.

You need to identify an appropriate identity model for the customer. The solution must use capacity-based billing. Which two identity providers can you use for the customer? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Active Directory Federation Services (AD FS) in an Enterprise Agreement (EA)

B. Azure Active Directory (Azure AD) in a Cloud Solution Provider (CSP) subscription

C. Azure Active Directory (Azure AD) in an Enterprise Agreement (EA)

D. Active Directory Federation Services (AD FS) in a Cloud Solution Provider (CSP) subscription

Answer: A C

Explanation

Choose an identity store

With a connected deployment, you can choose between Azure AD or AD FS for your identity store. A disconnected deployment, with no internet connectivity, can only use AD FS.

Capacity-based billing

If you decide to use the capacity billing model, you must purchase an Azure Stack Hub Capacity Plan SKU based on the capacity of your system. You need to know the number of physical cores in your Azure Stack Hub to purchase the correct quantity.

Capacity billing requires an Enterprise Agreement (EA) Azure subscription for registration. The reason is that registration sets up the availability of items in the Marketplace, which requires an Azure subscription. The subscription isn't used for Azure Stack Hub usage.

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Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-connected-deployment

Question #:148 - (Exam Topic 4)

You have an Azure Slack Hub integrated system that uses the latest version.

You discover an alert for an external certificate that will expire. You obtain new certificates.

You need to validate that all the components required to change the certificates are in a healthy state, and then renew the certificates.

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

NOTE: Each correct selection is worth one point.

A. Run the Start -Sec ret Rot at Ion and specify the PfxFilePath parameter.

B. Copy the certificates to Azure Blob storage.

C. Copy the certificates to an SMB file share that is accessible from the privilege endpoint (PEP).

D. Run the Test-AzureStack cmdlet and Specify the -Group UpdateReadiness parameter.

E. Run the Test-AzureStaek cmdlet and Specify the -Group SecretRotationReadiness parameter.

F. Run Start-SecretRotation cmdlet and Specify the Internal parameter.

Answer: C E F

Reference: https://learn.microsoft.com/en-us/azure-stack/operator/azure-stack-rotate-secrets

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