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Exam : **AZ-600**

Title : **Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub**

Vendor : **Microsoft**

Version : **DEMO**

NO.1 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.

Actions**Answer Area**

Run `Get-AzsRegistrationToken`.

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:

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

Run `Get-AzsregisrtationToken`.

Run the `Register-AzsEnvironment` cmdlet and specify the `-RegistrationToken $Token` parameter.

Run the `Select-AzSubscription` cmdlet and specify the `-Subscription 12345678-1234-1234-1234-222222222222` parameter.

Run `Set-AzsRegistration`.

Explanation

Graphical user interface, text, application Description automatically generated

Run `Get-AzsRegistrationToken`.

Run the `Register-AzsEnvironment` cmdlet and specify the `-RegistrationToken $Token` parameter.

Run the `Select-AzSubscription` cmdlet and specify the `-Subscription 12345678-1234-1234-1234-222222222222` parameter.

Run `Set-AzsRegistration`.

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:

```
$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>

NO.2 You open the Resource providers blade for a user subscription as shown in the following exhibit.

Provider	Status
Microsoft.Authorization	Registered
Microsoft.Commerce	Registered
Microsoft.Resources	Registered
Microsoft.Gallery	Registered
Microsoft.Insights	Registered
Microsoft.Storage	Registered
Microsoft.Network	Registered

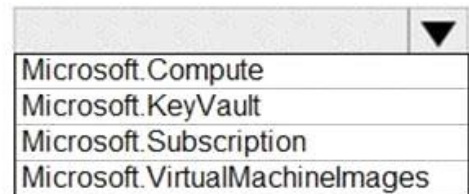
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Users of the user subscription can deploy **[answer choice]** successfully.

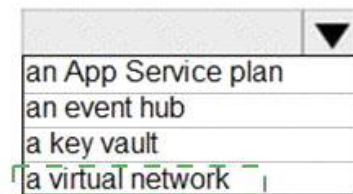


You must make the **[answer choice]** resource provider available before users of the user subscription can create virtual machines.



Answer:

Users of the user subscription can deploy **[answer choice]** successfully.



You must make the **[answer choice]** resource provider available before users of the user subscription can create virtual machines.



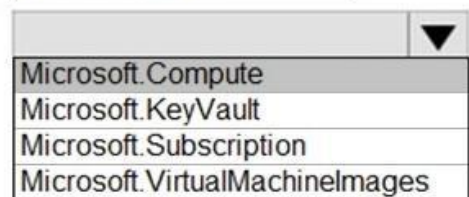
Explanation

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

Users of the user subscription can deploy **[answer choice]** successfully.



You must make the **[answer choice]** resource provider available before users of the user subscription can create virtual machines.



Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/azure-services-resource-providers>

NO.3 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.

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:

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	

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 process of secret rotation:

Graphical user interface, text, application Description automatically generated

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	<p>One or more internal certificates will expire within 30 days. The expiring certificates have the following Subject Names:</p> <p>CN=Deployment Client Certificate (AAD), OU=AzureStack</p> <p>and Subject Alternate Names:</p> <p>DNS Name=Deployment Client Certificate (AAD).</p>
REMEDIATION	<ol style="list-style-type: none">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 .

Box 2: running the Start-SecretRotation -Internal PowerShell cmdlet from the privileged 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>

NO.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 "UpdateReadiness".

Does this meet the goal?

A. No

B. Yes

Answer: A

Reference:

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

NO.5 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.

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 Get-AzureStackStampInformation cmdlet

B. Run the Test-AzureStack cmdlet

C. Run the Start-AzureStack cmdlet

D. Connect to the administrator portal

E. Connect to the privileged endpoint (PEP)

Answer: B,C,E

Reference:

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

NO.6 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.

Actions

From an elevated PowerShell prompt, run the Import-Module -Name Microsoft.AzureStack.Compute.EmergencyVMAccess.PowerShellModule cmdlet.
Connect to the Azure Resource Manager (ARM) endpoint for Azure Stack Hub integrated systems.
Connect to the privileged endpoint (PEP).
From an elevated PowerShell prompt, run the ConnectTo-TenantVm -ResourceID \$EnableVMAccessResponse cmdlet.
Connect to the Emergency Recovery Console Server (ERCS) by using Remote Desktop Connection.
From an elevated PowerShell prompt, run the Import-Module -Name Microsoft.AzureStack.PrivilegedEndpointSecurity cmdlet.
Run the -Grant -RdpAccessToErCsVm cmdlet.

Answer Area



Answer:

Actions

From an elevated PowerShell prompt, run the Import-Module -Name Microsoft.AzureStack.Compute.EmergencyVMAccess.PowerShellModule cmdlet.
Connect to the Azure Resource Manager (ARM) endpoint for Azure Stack Hub integrated systems.
Connect to the privileged endpoint (PEP).
From an elevated PowerShell prompt, run the ConnectTo-TenantVm -ResourceID \$EnableVMAccessResponse cmdlet.
Connect to the Emergency Recovery Console Server (ERCS) by using Remote Desktop Connection.
From an elevated PowerShell prompt, run the Import-Module -Name Microsoft.AzureStack.PrivilegedEndpointSecurity cmdlet.
Run the -Grant -RdpAccessToErCsVm cmdlet.

Answer Area



Connect to the privileged endpoint (PEP).
From an elevated PowerShell prompt, run the ConnectTo-TenantVm -ResourceID \$EnableVMAccessResponse cmdlet.
Connect to the Emergency Recovery Console Server (ERCS) by using Remote Desktop Connection.
From an elevated PowerShell prompt, run the Import-Module -Name Microsoft.AzureStack.PrivilegedEndpointSecurity cmdlet.
Run the -Grant -RdpAccessToErCsVm cmdlet.

Explanation

Graphical user interface, application Description automatically generated

Actions

From an elevated PowerShell prompt, run the Import-Module -Name Microsoft.AzureStack.Compute.EmergencyVMAccess.PowerShellModule cmdlet.
Connect to the Azure Resource Manager (ARM) endpoint for Azure Stack Hub integrated systems.

Answer Area



1	Connect to the privileged endpoint (PEP).
2	From an elevated PowerShell prompt, run the ConnectTo-TenantVm -ResourceID \$EnableVMAccessResponse cmdlet.
3	Connect to the Emergency Recovery Console Server (ERCS) by using Remote Desktop Connection.
4	From an elevated PowerShell prompt, run the Import-Module -Name Microsoft.AzureStack.PrivilegedEndpointSecurity cmdlet.
5	Run the -Grant -RdpAccessToErCsVm cmdlet.

NO.7 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.** Install the Azure Stack Development Kit (ASDK) and select the infrastructure backup data as the configuration during the installation.
- B.** Instruct the IT team to redeploy the integrated system in restore mode by using the backup data.
- C.** From the administrator portal, restore the domain controller backup to the default provider subscription and ensure that the domain controller starts successfully.
- D.** Run Get-FileIntegrity against the infrastructure backup data files stored in the file share.

Answer: A

Reference:

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

NO.8 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>

NO.9 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.

Actions

Answer Area

Connect to the administrator portal.

Open the **Infrastructure backup** blade.

Select **hr12943**.

Select **Recover**.

Open the **Storage accounts** blade.

Connect to the user portal.



Answer:

Actions

- Connect to the administrator portal.
- Open the **Infrastructure backup** blade.
- Select **hr12943**.
- Select **Recover**.
- Open the **Storage accounts** blade.
- Connect to the user portal.

Answer Area

- Connect to the administrator portal.
- Open the **Storage accounts** blade.
- Select **hr12943**.
- Select **Recover**.

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.

NAME	STATUS	RESOURCE GROUP	LOCATION	SUBSCRIPTION
adminkstoreprodcl	Active	system.local.adminkeyv...	local	<<subscription ID>>
vmdsa5uzsle66ng42g	Active	Kub-Test-1901-2-19	local	<<subscription ID>>
publicsystemportal	Active	system.local	local	<<subscription ID>>
diagsetsprimary	Active	system.local.AzureMon...	local	<<subscription ID>>
md-000tqozvzt	Active	System.local	local	<<subscription ID>>
wasphealthaccount	Active	system.local	local	<<subscription ID>>
nrrusageaccount	Active	system.local	local	<<subscription ID>>
deploymenttrp	Active	system.local	local	<<subscription ID>>
tenanttextadminaccount	Active	system.local	local	<<subscription ID>>
metricsrpsadmin	Active	system.local.AzureMon...	local	<<subscription ID>>

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.

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>

NO.10 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.

Actions	Answer Area
Connect to the public Azure Resource Manager (ARM) endpoint.	
Run the New-AzRoleAssignment cmdlet.	
Modify the permissions section of the JSON file.	
Modify the assignableScopes section of the JSON file.	
Connect to the administrator Azure Resource Manager (ARM) endpoint.	
Run the New-AzRoleDefinition cmdlet.	

Answer:

Actions	Answer Area
Connect to the public Azure Resource Manager (ARM) endpoint.	
Run the New-AzRoleAssignment cmdlet.	
Modify the permissions section of the JSON file.	1 Modify the permissions section of the JSON file.
Modify the assignableScopes section of the JSON file.	2 Modify the assignableScopes section of the JSON file.
Connect to the administrator Azure Resource Manager (ARM) endpoint.	3 Connect to the administrator Azure Resource Manager (ARM) endpoint.
Run the New-AzRoleDefinition cmdlet.	4 Run the New-AzRoleDefinition cmdlet.

Explanation

Actions	Answer Area
Connect to the public Azure Resource Manager (ARM) endpoint.	
Run the New-AzRoleAssignment cmdlet.	
	1 Modify the permissions section of the JSON file.
	2 Modify the assignableScopes section of the JSON file.
	3 Connect to the administrator Azure Resource Manager (ARM) endpoint.
	4 Run the New-AzRoleDefinition cmdlet.

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/*",
```

```
"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>

NO.11 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 AzureStack-AppService object ID.
- B.** From a privileged endpoint (PEP) session, run the New-Object cmdlet. and then run the import-PfxCertificate cmdlet
- C.** From the administrator portal, get the value of the default provider subscription object ID.
- D.** From a privileged endpoint (PEP) session, run the Export-Certificate cmdlet. and then run the Import-Certificate cmdlet
- E.** From a privileged endpoint (PEP) session, run the New-Object cmdlet, and then run the Sec-GraphApplication cmdlet

Answer: A,E

Explanation

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.

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 PrivilegedEndpoint 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:

<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>

NO.12 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.

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		229f2d01-adb5-4a73-87a4-767392e9895c	
https://management.azure.com		33f2e2b2-40f4-4d99-9b99-978fa5a33d55	
https://management.region1.contoso.com		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:

	▼ /subscriptions/		▼
https://adminmanagement.region1.contoso.com		229f2d01-adb5-4a73-87a4-767392e9895c	
https://management.azure.com		33f2e2b2-40f4-4d99-9b99-978fa5a33d55	
https://management.region1.contoso.com		9ea460a5-611c-4363-b551-8b1b1796d341	

```

/providers/Microsoft.Commerce/usageAggregates?reportedStartTime={reportedStartTime}
&reportedEndTime=
={reportedEndTime}&aggregationGranularity=Daily&api-version=2015-06-01-
preview&continuationToken={token-value}

```

Explanation

	▼ /subscriptions/		▼
https://adminmanagement.region1.contoso.com		229f2d01-adb5-4a73-87a4-767392e9895c	
https://management.azure.com		33f2e2b2-40f4-4d99-9b99-978fa5a33d55	
https://management.region1.contoso.com		9ea460a5-611c-4363-b551-8b1b1796d341	

```

/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 adminmanagement (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-...

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>