

# Module 9: Assignment - 1

Azure 104 Certification Course



## Tasks To Be Performed:

1. Create a Linux VM and install Apache2 on it
2. Create Recovery Services vault
3. Take backup of the VM deployed

Creating Linux VM(Ubuntu)

Microsoft Azure

Search resources, services, and docs (G+/)

Home > Virtual machines >

### Create a virtual machine

Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VM size for my workload

Basics | Disks | Networking | Management | Monitoring | Advanced | Tags | Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

#### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ Azure subscription 1

Resource group \* ⓘ (New) Module9  
[Create new](#)

#### Instance details

Virtual machine name \* ⓘ VMLinux

Region \* ⓘ (Asia Pacific) East Asia

Availability options ⓘ No infrastructure redundancy required

Security type ⓘ Standard

Image \* ⓘ Ubuntu Server 22.04 LTS - x64 Gen2  
[See all images](#) | [Configure VM generation](#)

< Previous | Next : Disks > | Review + create

**Administrator account**

Authentication type

☐ SSH public key

☒ Password

Username

Password

Confirm password

**Inbound port rules**

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports ☐ None

☒ Allow selected ports

Select inbound ports

All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

[< Previous](#) [Next : Disks >](#) [Review + create](#)

Microsoft Azure

Search resources, services, and docs (G+J)

Home >

CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20240823151806 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

**Overview**

**Your deployment is complete**

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-j... Start time: 8/23/2024, 3:21:20 PM

Subscription: [Azure subscription 1](#) Correlation ID: 416c2717-0c3e-40fa-8861-17dc1797639e

Resource group: [Module9](#)

Deployment details

Next steps

[Setup auto-shutdown](#) Recommended

[Monitor VM health, performance and network dependencies](#) Recommended

[Run a script inside the virtual machine](#) Recommended

[Go to resource](#) [Create another VM](#)

Give feedback

[Tell us about your experience with deployment](#)

## Launch Instances

```
C:\Users\shaik>ssh Salman@20.2.25.115
The authenticity of host '20.2.25.115 (20.2.25.115)' can't be established.
ED25519 key fingerprint is SHA256:HALUKM70g5G3BbSVn1eVZHHYgvyiquYSGyTGBlCSncI.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '20.2.25.115' (ED25519) to the list of known hosts.
Salman@20.2.25.115's password:
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-1025-azure x86_64)
```

## Update

```
Salman@VMLinux: ~$ sudo apt-get update
```

## Install apache2 server

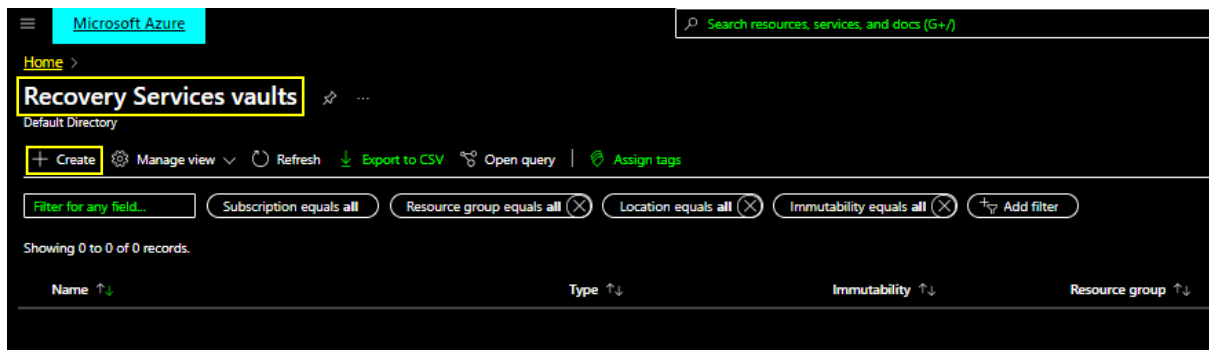
```
Salman@VMLinux: ~$ sudo apt-get install apache2
```

Status check, running fine

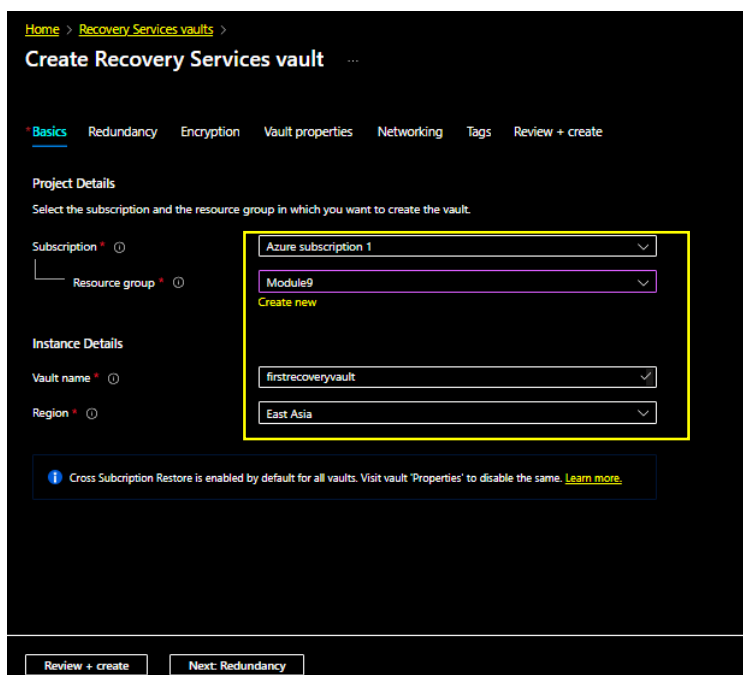
```
Salman@VMLinux: ~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2024-08-23 09:55:28 UTC; 53s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 2611 (apache2)
    Tasks: 55 (limit: 1053)
   Memory: 13.1M
      CPU: 38ms
   CGroup: /system.slice/apache2.service
           └─2611 /usr/sbin/apache2 -k start
             └─2613 /usr/sbin/apache2 -k start
               └─2614 /usr/sbin/apache2 -k start

Aug 23 09:55:28 VMLinux systemd[1]: Starting The Apache HTTP Server...
Aug 23 09:55:28 VMLinux systemd[1]: Started The Apache HTTP Server.
Salman@VMLinux: ~$
```

Now We Need to Create Recovery Services Vaults(Backup and Recovery Points)



I named firstrecoveryvault



[Home](#) > [Recovery Services vaults](#) >

## Create Recovery Services vault

Basics **Redundancy** Encryption Vault properties Networking Tags Review + create

Backup Storage Redundancy Geo-redundant

Cross Region Restore Disable

### Default

Basics Redundancy **Encryption** Vault properties Networking Tags Review + create

Choose how you want to encrypt your backup data in this Recovery Services vault. Please note the encryption type once selected cannot be reversed later after items have been attempted to be protected to the vault. [Learn more](#).

The encryption settings specified below will not apply to data in this vault that is associated with Azure Site Recovery, and will apply to that associated with Azure Backup only. Hence, if you are looking to set up Azure Site Recovery, you may ignore this tab.

Encryption type

☒ Use Microsoft-managed key (default)

☐ Use customer-managed key

### Default(No changes)

Basics Redundancy Encryption **Vault properties** Networking Tags Review + create

Enable immutability ☐

**i** Immutability, if enabled here, will be reversible and can be disabled using the vault's properties after its creation. You can further choose to lock it and make it irreversible, also through the vault's property. Learn more about [locking](#), [immutability](#).

### Default(No changes)

Basics Redundancy Encryption Vault properties **Networking** Tags Review + create

**Network connectivity**

You can connect to this Recovery Services vault either publicly, via public IP addresses, or privately, using a private endpoint.

Connectivity method

☒ Allow public access from all networks

☐ Deny public access and allow private access

Review + Create

[Home](#) > [Recovery Services vaults](#) >

Create Recovery Services vault ...

Basics

Redundancy

Encryption

Vault properties

Networking

Tags

Review + create

Summary

Basics

Subscription

Resource group

Vault name

Region

Redundancy

Backup Storage Redundancy

Cross Region Restore

Vault properties

Immutability

Networking

Connectivity method

Azure subscription 1

Module9

firstrecoveryvault

East Asia

Geo-redundant

Disable

Disabled

Allow public access from all networks

Create

Previous: Tags

Download a template for automation

Deployment Successful

[Home](#) >

Microsoft.RecoveryServicesV2-1724407270675 | Overview ...

Deployment

Search

Delete

Cancel

Redeploy

Download

Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name : Microsoft.RecoveryServicesV2-1724407270675

Subscription : [Azure subscription 1](#)

Resource group : [Module9](#)

Start time : 8/23/2024, 3:31:21 PM

Correlation ID : f4d2c5a0-74fe-46ea-8e7f-0dffaabfe0a7

> Deployment details

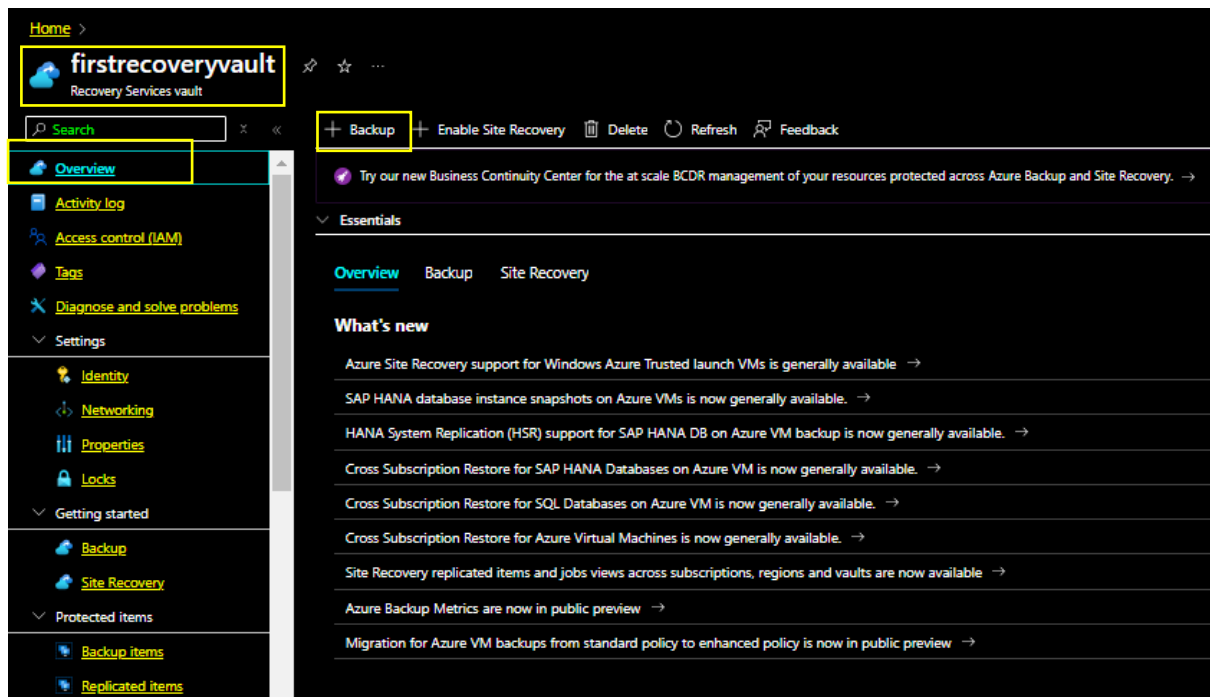
Next steps

Go to resource

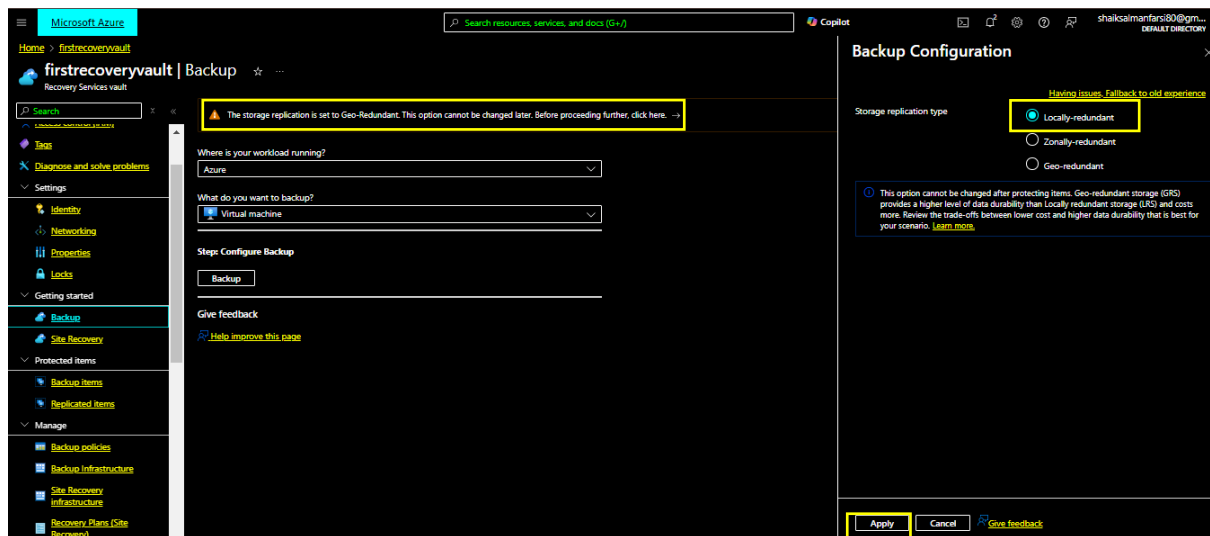
Give feedback

Tell us about your experience with deployment

## Recovery vault > Backup



I Click to change Geo-redundant to Locally redundant and select VM, Previously I created with Geo-redundant so I change to locally redundant



## Select Virtual Machine and click backup

Home > firstrecoveryvault

# firstrecoveryvault | Backup

Recovery Services vault

Search

Tags

Diagnose and solve problems

Settings

Identity

Networking

Properties

Locks

Getting started

Backup

Site Recovery

Protected items

The storage replication is set to Geo-Redundant. This option cannot be changed later. Before proceeding further, click here. →

Where is your workload running?

Azure

What do you want to backup?

Virtual machine

Step: Configure Backup

Backup

Give feedback

Help improve this page

## Standard, default policy, click Add and Select Created VM

Microsoft Azure

Home > firstrecoveryvault | Backup

# Configure backup

firstrecoveryvault

Policy sub type

Enhanced

Standard

Multiple backups per day

Up to 30 days operational tier retention

Support for Trusted Launch Azure VM

Support for VMs with Ultra Disks and Premium SSD v2

Backup policy

DefaultPolicy

Create a new policy

The list contains the policies pertaining to the selected policy sub type. [Learn more](#)

Policy details

Full backup

Backup frequency

Daily at 8:00 PM UTC

Instant restore

Retain instant recovery snapshots for 2 day(s)

Retention of daily backup point

Retain backup taken every day at 8:00 PM for 30 Day(s)

Consistency type

Application or file-system consistent

Virtual machines

Name

Resource group

No virtual machines selected.

Add

Selective disk backup option allows you to include or exclude specific data disks based on their LUN numbers. OS Disk exclusion is not supported. Know more about Selective Disk Backup feature, its limitation and pricing. [Learn more](#)

Enable backup

Download a template for automation

Select virtual machines

Filter items by name

Virtual machine name

Resource Group

VMLinux

module0

Previous

Page 1 of 1

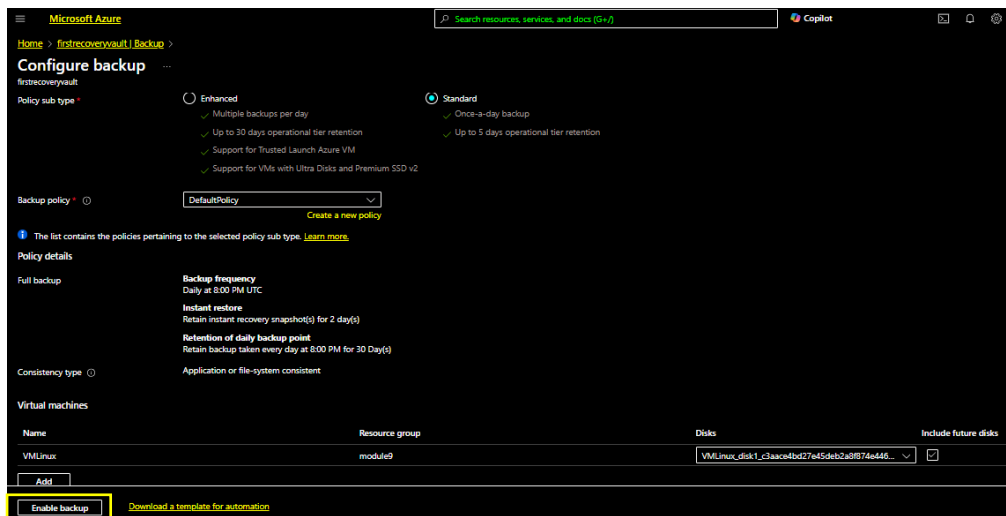
Next

OK

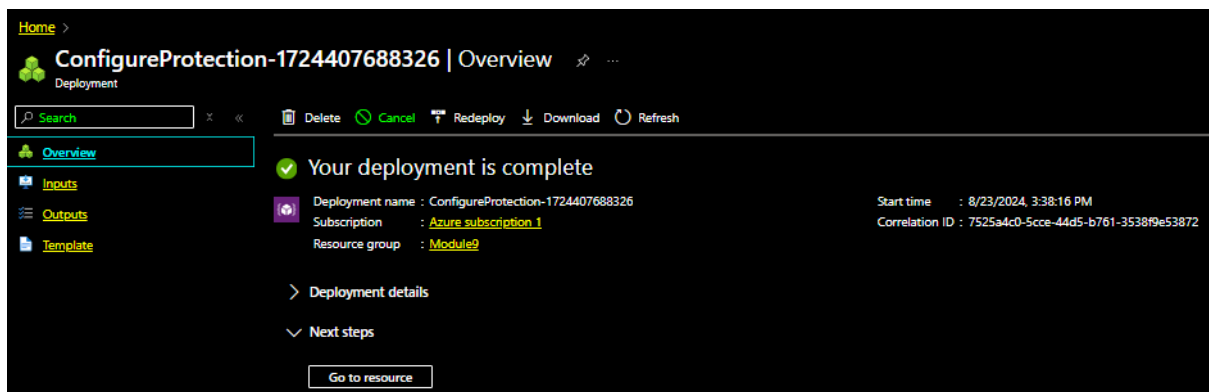
Cancel

Give feedback

## Enable Backup



## Deployment successful



# Module 9: Assignment - 2

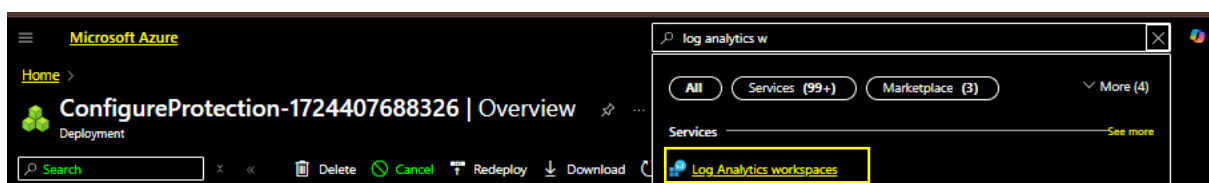
Azure 104 Certification Course



## Tasks To Be Performed:

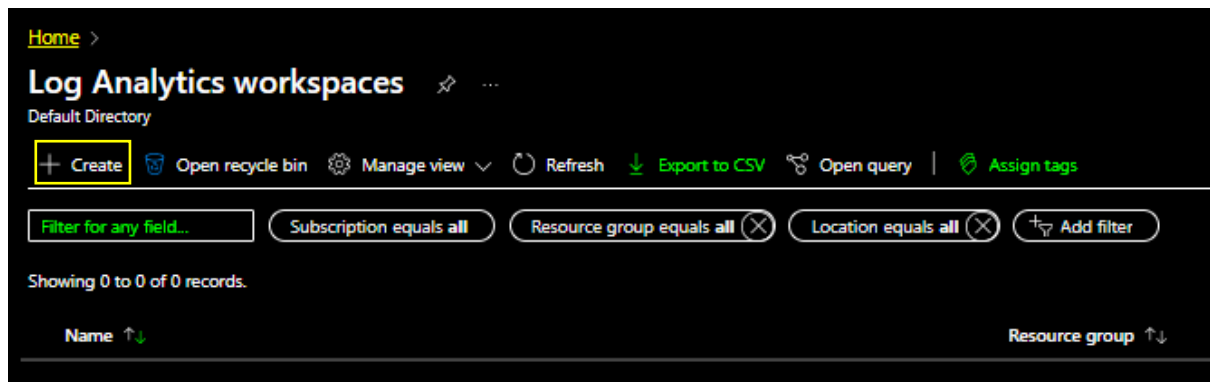
1. Use the previously connected VMs
2. Connect Log Analytics to this virtual machine

Before Connecting to Log Analytics we need to create it.





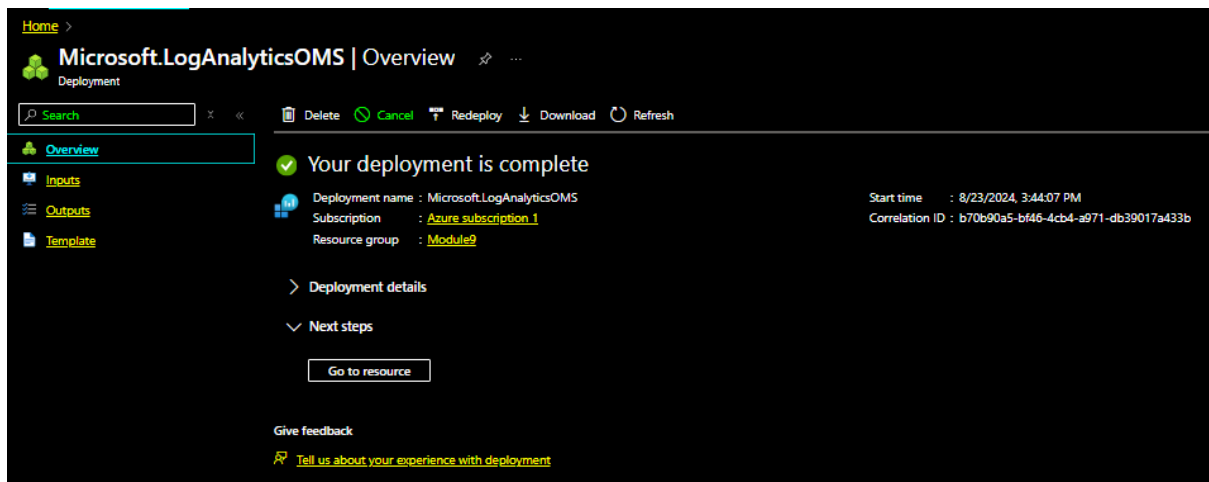
Click Create



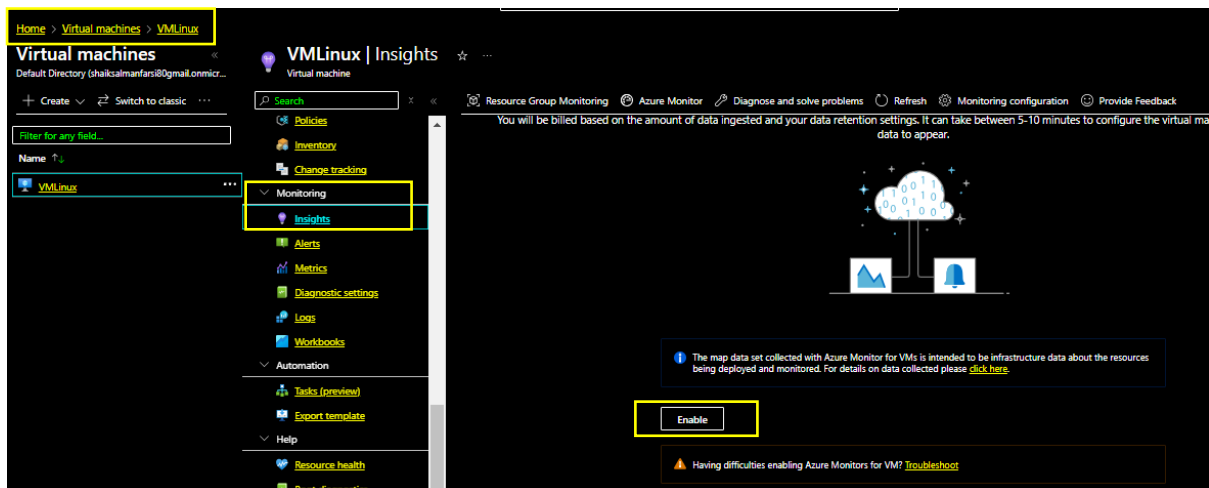
I named it as firstloganalytics

The screenshot shows the 'Create Log Analytics workspace' wizard in the Azure portal. The page has a dark theme. At the top, there's a breadcrumb 'Home > Log Analytics workspaces >'. Below it, the title 'Create Log Analytics workspace' is displayed with a menu icon. There are three tabs: 'Basics' (active), 'Tags', and 'Review + Create'. A blue information box contains text about Log Analytics workspace and a 'Learn more' link. Below this, there's a paragraph explaining the purpose of a Log Analytics workspace. Under the 'Project details' section, it says 'Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.' There are two dropdown menus: 'Subscription' (selected 'Azure subscription 1') and 'Resource group' (selected 'Module9', with a 'Create new' link below it). Under the 'Instance details' section, there are two dropdown menus: 'Name' (selected 'firstloganalytics', highlighted with a yellow box) and 'Region' (selected 'East Asia'). At the bottom, there are three buttons: 'Review + Create', '< Previous' (disabled), and 'Next : Tags >'.

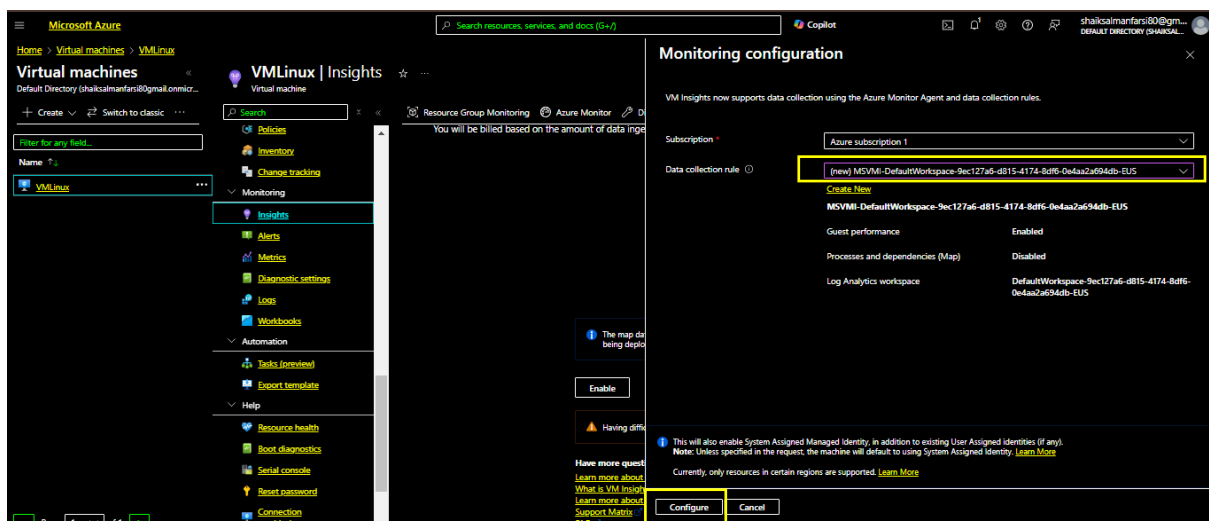
Deployment successful (Azure Monitor that collects, analyzes, and visualizes log and performance data from various sources for monitoring and troubleshooting)



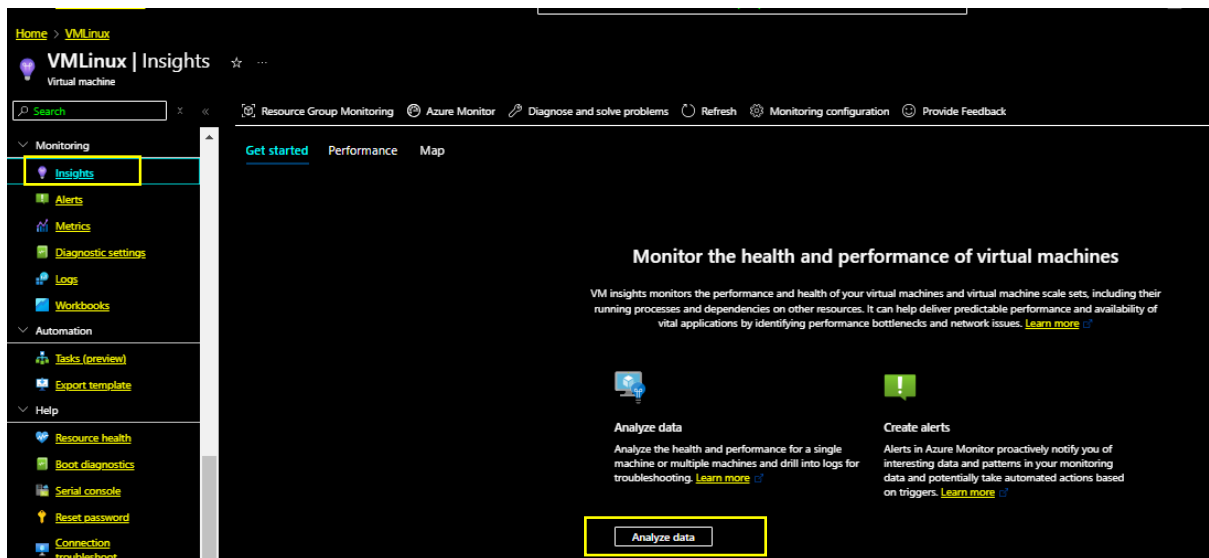
Go to VM > Monitoring > Insights > Enable



Select log analytics > Configure



Now we can see the Analyze data option, Successfully connected



## Module 9: Assignment - 3

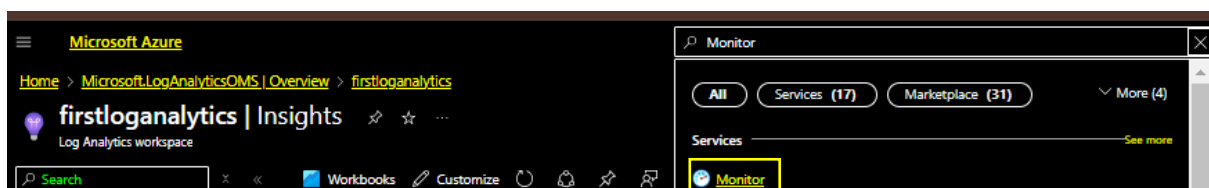
Azure 104 Certification Course



### Tasks To Be Performed:

1. Use the previous VM deployment
2. Create an alert for the deletion of the above VM

### Search Monitor



## Click Alerts > Alert Rules

Home > Monitor

Microsoft

Search

View as timeline (preview) | + Create | **Alert rules** | Action groups | Alert processing rules | Prometheus rule groups | Change user response | Actions | Refresh

New: View alerts visualized on a timeline for a clearer picture of your events. You can switch between views anytime. [View as timeline \(preview\)](#)

Subscription: 9ec127a6-d815-4174-8d06-0e4aa2a694db | Time range: Past 24 hours | Alert condition: Fired | Severity: all | Add filter

Total alerts: 0 | Critical: 0 | Error: 0 | Warning: 0 | Informational: 0 | Verbose: 0

Name	Severity	Affected resource	Alert condition	User response	Fire time
No alerts found					

Try changing your search or choose a different scope level if you don't see what you're looking for.

Clear filters

## Create

Home > Monitor | Alerts >

Alert rules

+ Create | Columns | Refresh | Export to CSV | Open query | Delete | Enable | Disable

Search

Subscription: Azure subscription 1 | Target scope: all | Target resource type: all | Signal type: all | Severity: all | Status: Enabled | Add tag filter

Name	Condition	Severity	Target scope	Target resource type	Signal type
------	-----------	----------	--------------	----------------------	-------------

## Scope > Module9 > VMLinux(Virtual Machine) selected

Microsoft Azure

Search resources, services, and docs (0/7)

Home > Monitor | Alerts > Alert rules >

Create an alert rule

Scope | Condition | Actions | Details | Tags | Review + create

Create an alert rule to identify and address issues when important conditions are found in your monitoring data. [Learn more](#)

+ Select scope

Resource | Hierarchy

No resource selected yet

Review + create | Previous | Next: Condition >

Select a resource

Browse | Recent

Resource types: All resource types | Locations: All locations

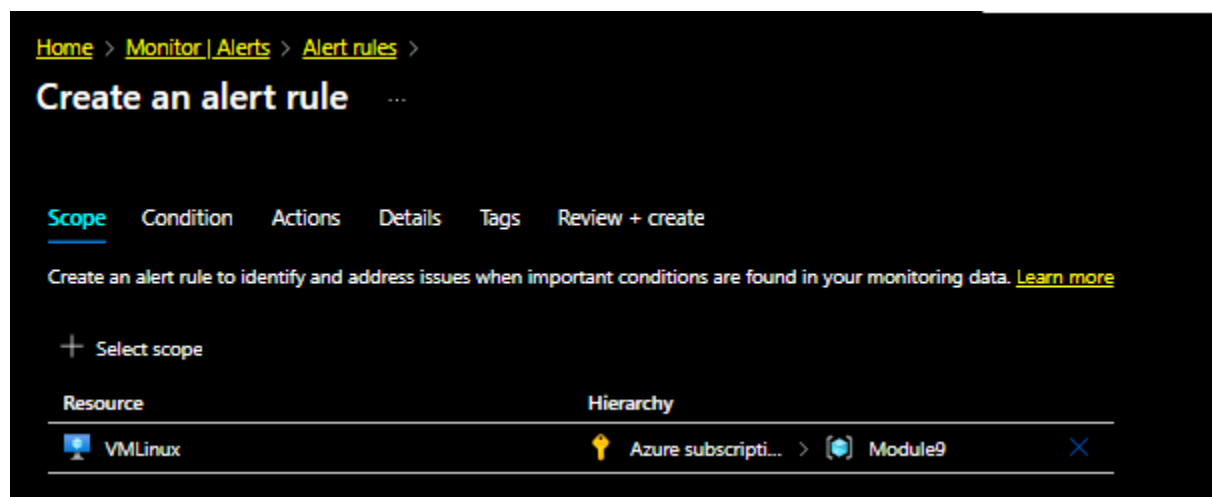
Search to filter items...

Resource	Resource type	Location
<input type="checkbox"/> Azure subscription 1	Subscription	-
<input type="checkbox"/> DefaultResourceGroup-EUS	Resource group	-
<input type="checkbox"/> Module9	Resource group	-
<input type="checkbox"/> firstloganalytics	Log Analytics workspace	East Asia
<input type="checkbox"/> firstrecoveryvault	Recovery Services vault	East Asia
<input checked="" type="checkbox"/> VMLinux	Virtual machine	East Asia
<input type="checkbox"/> VMLinux-ip	Public IP address	East Asia
<input type="checkbox"/> VMLinux-nsg	Network security group	East Asia
<input type="checkbox"/> VMLinux-vnet	Virtual network	East Asia
<input type="checkbox"/> vmlinux493	Network interface	East Asia
<input type="checkbox"/> VMLinux_disk1_c3ace4bd27ed5deb2a8f874...	Disk	East Asia

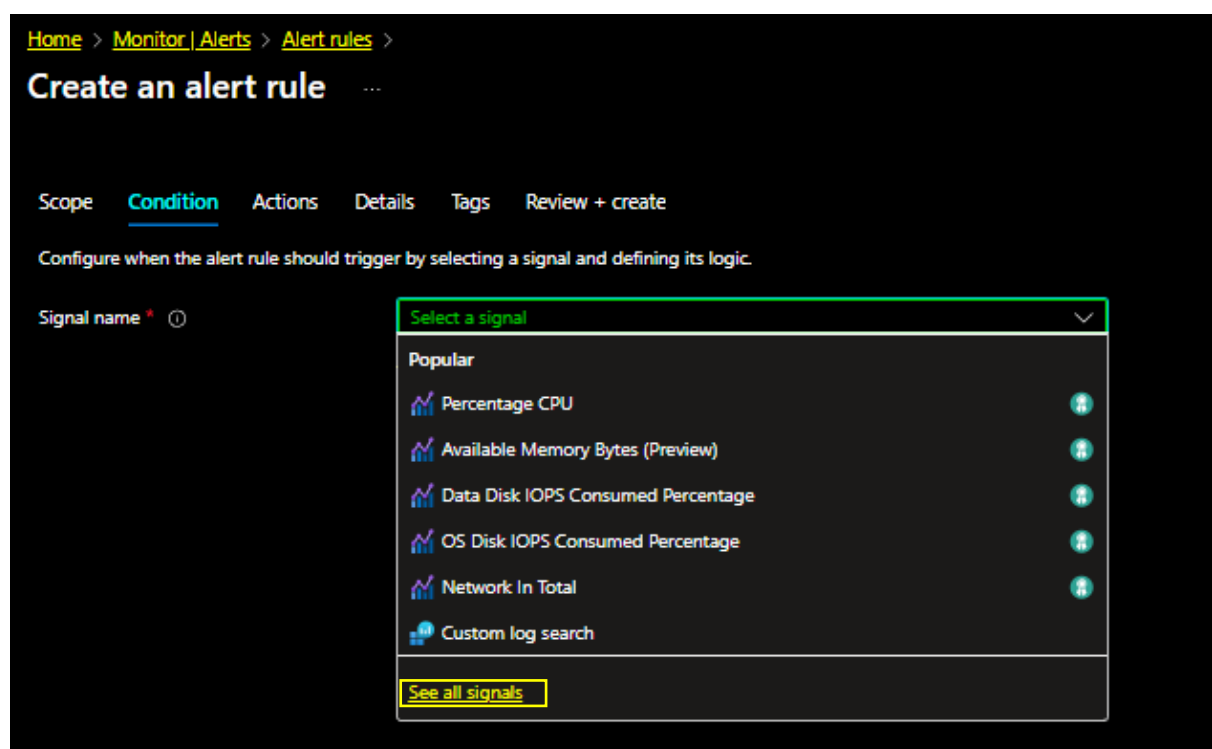
Selected resources: 1 virtual machine

VMLinux | Virtual machine | East Asia

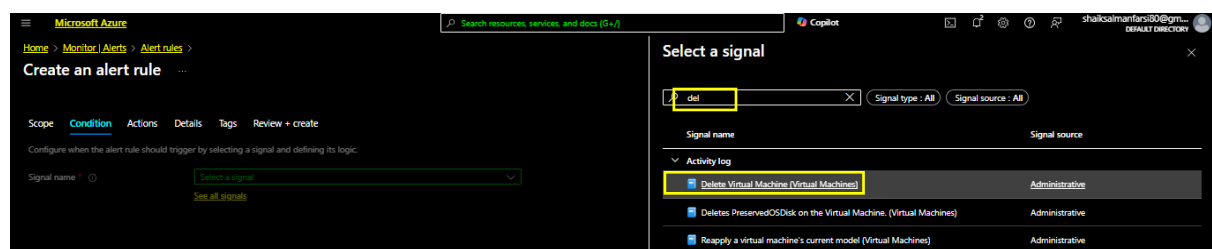
Apply | Cancel | Clear all selections



In Condition > Click See all signals



Search delete > Select delete virtual Machine (Virtual Machines)



## Go to Actions section

[Home](#) > [Monitor | Alerts](#) > [Alert rules](#) >

### Create an alert rule

Scope **Condition** Actions Details Tags Review + create

Configure when the alert rule should trigger by selecting a signal and defining its logic.

Signal name \* ⓘ Delete Virtual Machine (Virtual Machines) ▼  
[See all signals](#)

Chart period  
Over the last 6 hours ▼

No data available

activityLogHistoryBarSeries 5:30 AM

[View events in Azure Monitor - Activity Log](#)

Alert logic

Event Level ⓘ All selected ▼ Status ⓘ All selected ▼ Event initiated by ⓘ \* (All services and users) ▼  
[Add event initiator](#)

[Review + create](#) [Previous](#) [Next: Actions >](#)

## Fill the details Action Group Name, Display Name and Actions

[Home](#) > [Monitor | Alerts](#) > [Alert rules](#) >

### Create an alert rule

Scope Condition **Actions** Details Tags Review + create

An action group is a set of actions that can be applied to an alert rule. [Learn more](#)

Select actions

☒ Use quick actions (preview)  
Select one or more of the quick actions.

☐ Use action groups  
Add an existing action group or create a new one.

☐ None

Quick actions

Quick actions not configured yet  
[Manage quick actions](#)

**Use quick actions (preview)**

Details

Action group name \* ⓘ deletenotification

Display name \* ⓘ VM deleting

Actions

☒ Email ⓘ shiksalmanfarsi80@gmail.com

☐ Email Azure Resource Manager Role Owner ▼

☐ Azure mobile app notification ⓘ shiksalmanfarsi80@gmail.com

Once VM Deleted, then it will perform Actions means it will notify email and azure alerts too

[Home](#) > [Monitor | Alerts](#) > [Alert rules](#) >

## Create an alert rule

Scope Condition **Actions** Details Tags Review + create

An action group is a set of actions that can be applied to an alert rule. [Learn more](#)

Select actions

☒ Use quick actions (preview)  
Select one or more of the quick actions.

☐ Use action groups  
Add an existing action group or create a new one.

☐ None

Quick actions

**Details**  
Action group name: deletenotification  
Action group display name: VM deleting  
**Actions**  
Email: shaiksalmanfarsi80@gmail.com  
[Manage quick actions](#)

Alert rule name > VM Deletion

Scope Condition Actions **Details** Tags Review + create

### Project details

Select the subscription and resource group in which to save the alert rule.

Subscription ⓘ Azure subscription 1 ▼

Resource group \* ⓘ Module9 ▼  
[Create new](#)

Region \* ⓘ Global ▼

### Alert rule details

Alert rule name \* ⓘ VM Deletion ✓

Alert rule description ⓘ

✓ Advanced options

## Review + Create

[Home](#) > [Monitor | Alerts](#) > [Alert rules](#) >

### Create an alert rule

Scope Condition Actions Details Tags Review + create

**Scope**

Resource Azure subscription 1 > Module9 > VMLinux

**Condition**

Condition preview Whenever the Activity Log has an event with Category='Administrative', Signal name='Delete Virtual Machine (Virtual Machines)'

**Actions**

**Quick actions**

**Details**

Action group name: deletenotification  
Action group display name: VM deleting

**Actions**

Email: shaiksalmanfarsi80@gmail.com

**Details**

**Project details**

[Create](#) [Previous](#)

## Successfully Created Alert rule

[Home](#) > [Monitor | Alerts](#) >

### Alert rules

+ Create | Columns | Refresh | Export to CSV | Open query | Delete | Enable | Disable

Search Subscription: Azure subscription 1 Target scope: all Target resource type: all Signal type: all Severity: all Status: Enabled Add tag filter No grouping

Name ↑↓	Condition	Severity ↑↓	Target scope	Target resource type	Signal type ↑↓	Status ↑↓	
<input checked="" type="checkbox"/> VM Deletion	Category=Administrative, Operation na...	4 - Verbose	VMLinux	Virtual machine	Activity log	Enabled	...

## I got notification

Compose

Inbox 9,203

Starred

Snoozed

Sent

Drafts 12

More

Labels +

← → 1 of 10,526

You're now in the VM deleting action group [Inbox x](#)

Microsoft Azure <azure-noreply@microsoft.com> to me 4:06 PM (1 minute ago) ☆ 😊 ↩ ⋮

Microsoft Azure

### You've been added to an Azure Monitor action group

You are now in the VM deleting action group and will receive notifications sent to the group.

[View details on Azure Monitor action groups >](#)



Details

# You've been added to an Azure Monitor action group

You are now in the VM deleting action group and will receive notifications sent to the group.

[View details on Azure Monitor action groups >](#)

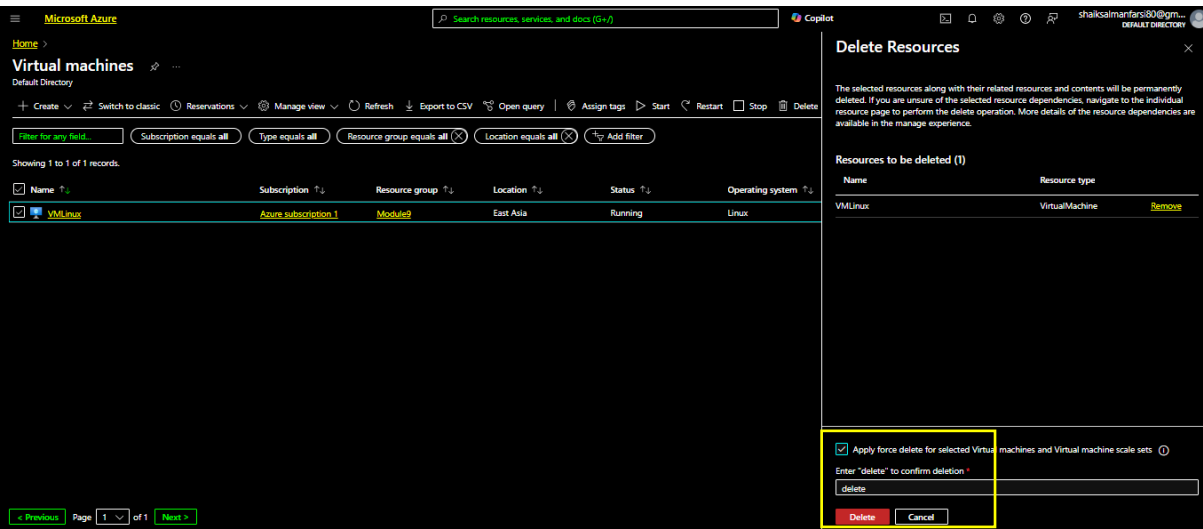
## Account information

Subscription ID: 9EC127A6-D815-4174-8DF6-0E4AA2A694DB

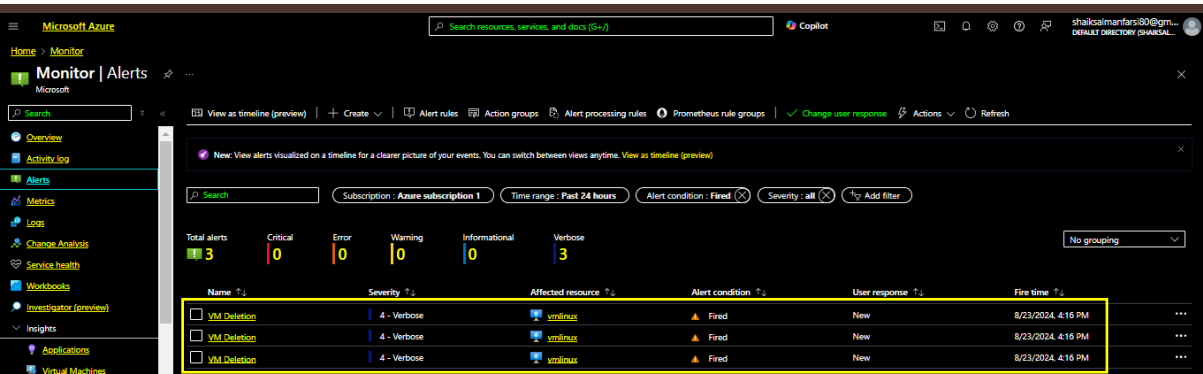
Resource group name: Module9

Action group name: deletenotification

Now I will delete this VM



In Monitor Section > In Alerts its triggered, telling that fired, means, what purpose we created the alert rule, its triggered



Microsoft Azure Monitor | Alerts

Search

View as timeline (preview) | Create | Alert rules | Action groups | Alert processing rules

New: View alerts visualized on a timeline for a clearer picture of your events. You can switch between views anytime. View

Subscription: Azure subscription 1 | Time range: Past 24 hours

Total alerts: 3 | Critical: 0 | Error: 0 | Warning: 0 | Informational: 0 | Verbose: 3

Name	Severity	Affected resource
VM Deletion	4 - Verbose	vmlinux
VM Deletion	4 - Verbose	vmlinux
VM Deletion	4 - Verbose	vmlinux

### VM Deletion

Activity log alert details

Copy link | Go to alert rule | Investigate (preview)

Summary | History

General details

Severity	Fired time	Affected resource	Monitor service	Alert condition	User response
4 - Verbose	8/23/2024, 4:16 PM	vmlinux	ActivityLog Administrative	Fired	New

The target resource vmlinux has been moved or deleted.

Why did this alert fire?

The following event occurred: Microsoft.Compute/VirtualMachines/delete

Event level	Category	Initiated by
Informational	Administrative	shaiksalmanfarsi80@gmail.c

Additional details

I got an Email, About VM Deletion, we notify it on Actions section

Gmail

Search mail

Compose

Inbox 9,203

Starred

Snoozed

Sent

Drafts 12

More

Labels +

Fired:Sev4 Azure Monitor Alert VM Deletion on vmlinux ( microsoft.compute/virtualmachines ) at 8/23/2024 10:46:19 AM

Microsoft Azure

### Fired:Sev4 Azure Monitor Alert VM Deletion on vmlinux ( microsoft.compute/virtualmachines ) at 8/23/2024 10:46:19 AM

[View the alert in Azure Monitor >](#) [Investigate >](#)

Summary

Alert name	VM Deletion
Severity	Sev4
Monitor condition	Fired
Affected resource	vmlinux
Resource type	microsoft.compute/virtualmachines

Gmail

Search mail

Compose

Inbox 9,203

Starred

Snoozed

Sent

Drafts 12

More

Labels +

Severity	Sev4
Monitor condition	Fired
Affected resource	vmlinux
Resource type	microsoft.compute/virtualmachines
Resource group	module9
Monitoring service	Activity Log - Administrative
Signal type	Activity Log
Fired time	August 23, 2024 10:46 UTC
Alert ID	ee7b8c23-0e9f-b9e3-c575-e6394175f000
Alert rule ID	https://portal.azure.com/#resource/subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/module9/providers/microsoft.insights/activityLogAlerts/VM Deletion
Event source	Administrative
Channels	Operation
Level	Informational
Caller	shaiksalmanfarsi80@gmail.com
Event data ID	3a5b8864-1b69-47f5-b7c1-a0e3c2153083
Activity log event description	
Status	Started
Operation ID	0e13f501-9acd-471f-bc92-d9f9b98d8317
Operation name	Microsoft.Compute/VirtualMachines/delete
Authorization - Action	Microsoft.Compute/VirtualMachines/delete
Authorization - Scope	/subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/module9/providers/Microsoft.Compute/VirtualMachines/vmlinux

Deletion of Recovery Vault(it cant delete easily we need to follow the steps):

[Home](#) > [firstrecoveryvault](#) >

## Delete Recovery Services vault

firstrecoveryvault

☒ Delete manually  
☐ Delete using PowerShell script

**Step 1: Change Vault properties**

Seek permissions via Multi-User Authorization ⓘ [Go to PIM](#) | [View procedure steps](#)

Disable Soft Delete and Security features ⓘ [Go to settings](#) | [View procedure steps](#)

**Step 2: Stop Backup and Delete Cloud Protected Items**

Backup items ⓘ [Go to Backup Items](#) | [View procedure steps](#)

**Step 3: Cleanup associations of Servers and Storage Accounts**

Servers and Storage accounts ⓘ [Go to Backup Infrastructure](#) | [View procedure steps](#)

**Step 4: Disable Replication for Site Recovery Replicated Items**

Site Recovery Items ⓘ [Go to Replicated Items](#)

**Step 5: Clean up dependencies related to your Site Recovery Replicated Items**

Replication Policies, Servers ⓘ [Go to documentation](#)

**Step 6: Remove Private Endpoint Connections**

Private Endpoint Connections ⓘ [Go to Private Endpoints](#)

☐ I wish to permanently delete the vault.

[Yes](#) [No](#)

Like I executed step1 and like we have to perform all six steps, if u want to delete using powershell script then u can download and run on cloudshell

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

shahkalsalmantari80@gmail...  
DEFAULT DIRECTORY (SHAHKAL...

[Home](#) > [firstrecoveryvault](#) >

## Delete Recovery Services vault

firstrecoveryvault

☒ Delete manually  
☐ Delete using PowerShell script

**Step 1: Change Vault properties**

Seek permissions via Multi-User Authorization ⓘ [Go to PIM](#) | [View procedure steps](#)

Disable Soft Delete and Security features ⓘ [Go to settings](#) | [View procedure steps](#)

**Step 2: Stop Backup and Delete Cloud Protected Items**

Backup items ⓘ [Go to Backup Items](#) | [View procedure steps](#)

**Step 3: Cleanup associations of Servers and Storage Accounts**

Servers and Storage accounts ⓘ [Go to Backup Infrastructure](#) | [View procedure steps](#)

**Step 4: Disable Replication for Site Recovery Replicated Items**

Site Recovery Items ⓘ [Go to Replicated Items](#)

**Step 5: Clean up dependencies related to your Site Recovery Replicated Items**

Replication Policies, Servers ⓘ [Go to documentation](#)

**Step 6: Remove Private Endpoint Connections**

Private Endpoint Connections ⓘ [Go to Private Endpoints](#)

☐ I wish to permanently delete the vault.

[Yes](#) [No](#)

### Security Settings

firstrecoveryvault

[Save](#) [Discard](#)

**Soft Delete (For workloads running in Azure)**  
Enable this setting to protect backup data for Azure VM, SQL Server in Azure VM and SAP HANA in Azure VM from accidental deletes. [Learn More](#)

[Enable](#) [Disable](#)

**Security Features (For workloads running on-premises)**  
Enable this setting to protect hybrid backups against accidental deletes and add additional layer of authentication for critical operations. Refer [this](#) link for minimum agent version requirement to enable this setting. [Learn more](#)

[Enable](#) [Disable](#)

**All future deletes will be immediate and will not have soft delete protection.** [Learn more](#)  
This action will not impact items already in soft deleted state. If you wish to delete these permanently with immediate effect please refer to the documentation. [Learn more](#)

**All future deletes will be immediate and backup data will not be retained for additional 14 days.** [Learn more](#)  
This action will remove the requirement of security pin for critical operation. [Learn more](#)