Name: Zainab Asif

Id: 2280134

Section: A

LAB: 11

Task 1: Use a template to provision an infrastructure.

Home > Monitor | Virtual Machines

Configure monitor | azurevmzainab ...

Capabilities   Review + enable

Infrastructure monitoring
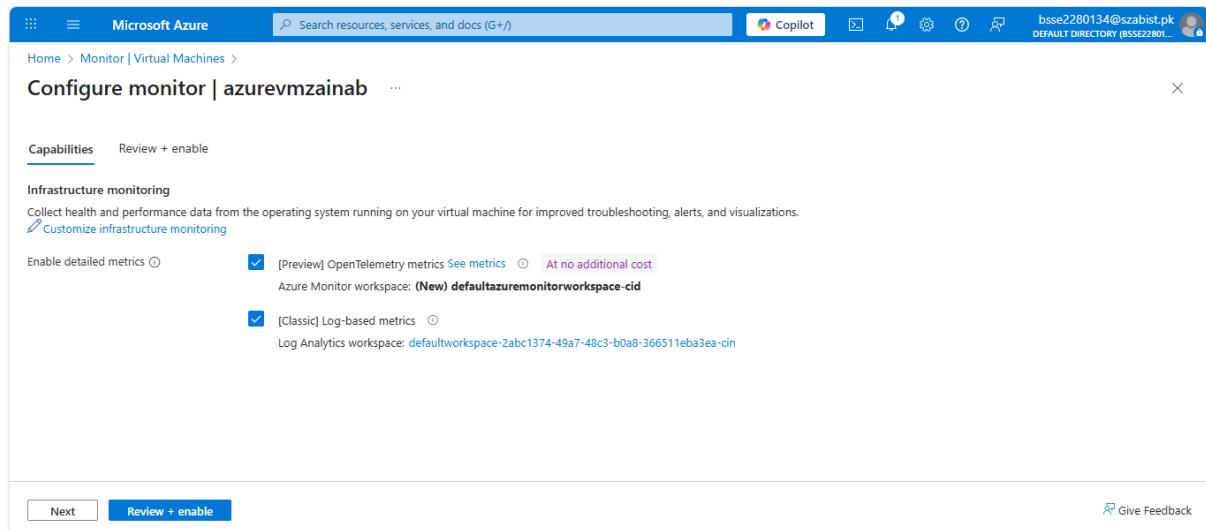
Collect health and performance data from the operating system running on your virtual machine for improved troubleshooting, alerts, and visualizations.

✎ Customize infrastructure monitoring

Enable detailed metrics ⓘ

☑ [Preview] OpenTelemetry metrics See metrics ⓘ   At no additional cost
   Azure Monitor workspace: **(New) defaultazuremonitorworkspace-cid**

☑ [Classic] Log-based metrics ⓘ
   Log Analytics workspace: defaultworkspace-2abc1374-49a7-48c3-b0a8-366511eba3ea-cin

Next   **Review + enable**   ⚐ Give Feedback

Microsoft Azure

Home > Monitor

🖥 Monitor | Virtual Machines ...
Microsoft
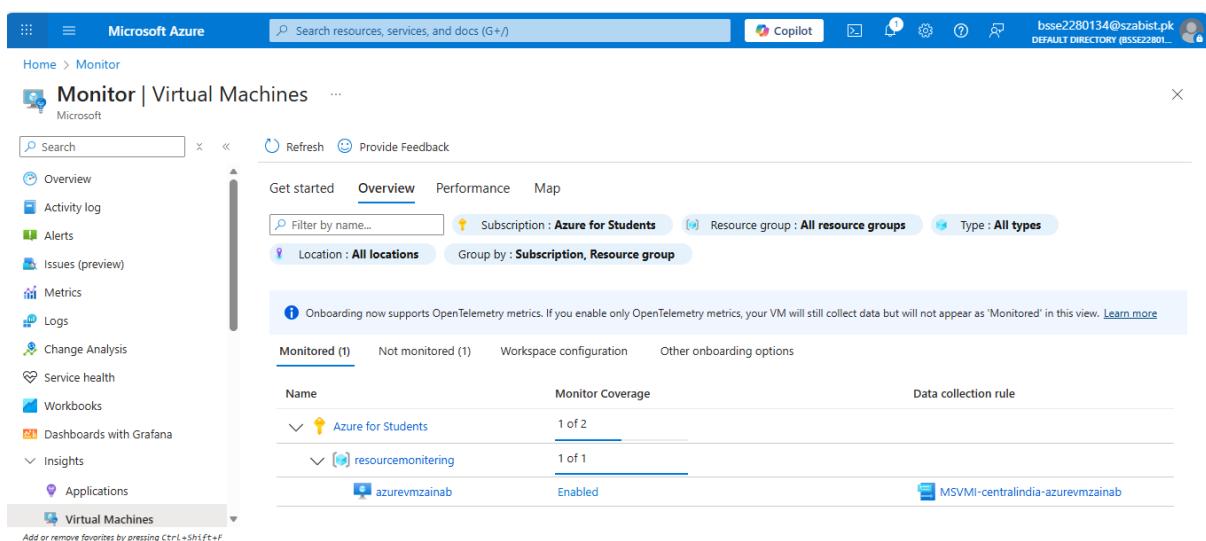
🔍 Search ✕ «   ↻ Refresh   ☺ Provide Feedback

⊕ Overview
▤ Activity log   Get started   **Overview**   Performance   Map
▦ Alerts
▦ Issues (preview)   🔍 Filter by name...   📍 Subscription : **Azure for Students**   📦 Resource group : **All resource groups**   📄 Type : **All types**
▦ Metrics
▦ Logs   📍 Location : **All locations**   Group by : **Subscription, Resource group**
▦ Change Analysis
♡ Service health   ⓘ Onboarding now supports OpenTelemetry metrics. If you enable only OpenTelemetry metrics, your VM will still collect data but will not appear as 'Monitored' in this view. Learn more
▦ Workbooks
▦ Dashboards with Grafana   **Monitored (1)**   Not monitored (1)   Workspace configuration   Other onboarding options
▽ Insights
   📍 Applications   **Name**   **Monitor Coverage**   **Data collection rule**
   🖥 Virtual Machines   ▽ 📍 Azure for Students   1 of 2
Add or remove favorites by pressing Ctrl+Shift+F   ▽ 🖥 resourcemonitering   1 of 1
                                    🖥 azurevmzainab   Enabled   🖥 MSVMI-centralindia-azurevmzainab

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Task 2: Create an alert.

Microsoft Azure

Home > Monitor | Alerts >

Create an alert rule ...
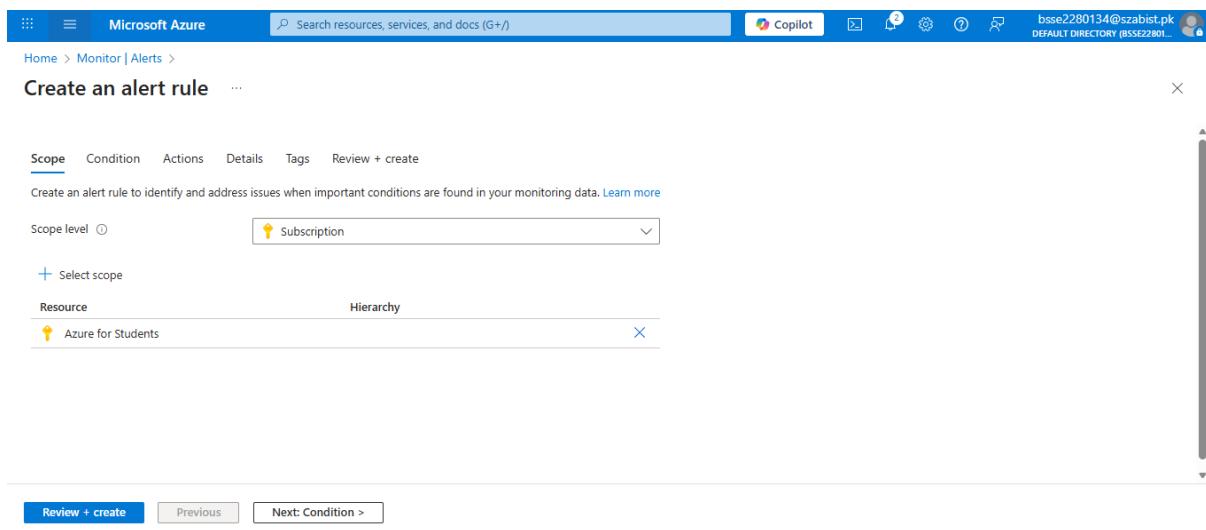
Scope   Condition   Actions   Details   Tags   Review + create

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

Scope level ⓘ   📍 Subscription   ⌄

+ Select scope

Resource   **Hierarchy**
📍 Azure for Students   ✕

Review + create   Previous   Next: Condition >

Create an alert rule

No data available

5 AM

activityLogHistoryBarSeries

—

View events in Azure Monitor - Activity Log ⧉

Alert logic
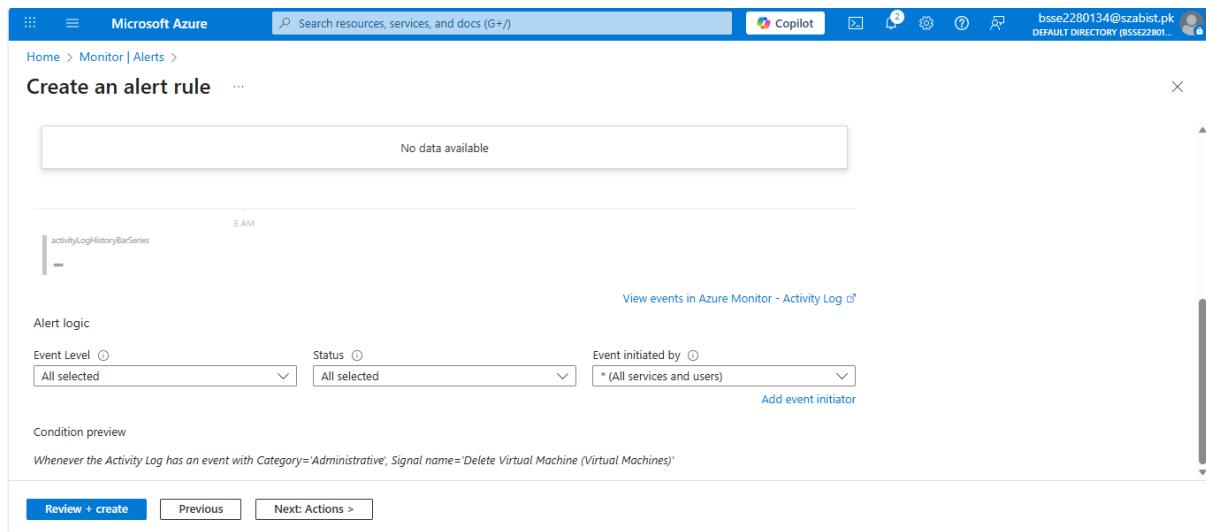
Event Level ⓘ	Status ⓘ	Event initiated by ⓘ
All selected	All selected	* (All services and users)

Add event initiator

Condition preview

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

Review + create | Previous | Next: Actions >

Task 3: Configure action group notifications.

Create action group

Basics | Notifications | Actions | Tags | **Review + create**

This is a summary of your action group. Please review to ensure the information is correct and consider Azure Monitoring Pricing and the Azure Privacy Statement.
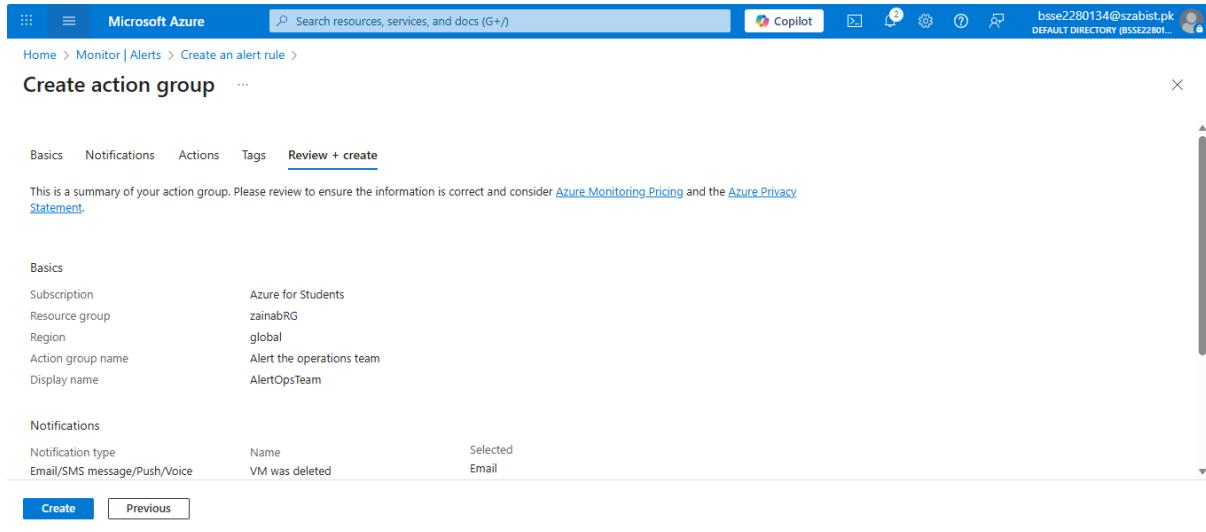
Basics

Subscription	Azure for Students
Resource group	zainabRG
Region	global
Action group name	Alert the operations team
Display name	AlertOpsTeam

Notifications

Notification type	Name	Selected
Email/SMS message/Push/Voice	VM was deleted	Email

Create | Previous

Create an alert rule

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

Scope

Scope level	📍 Subscription
Resource	📍 Azure for Students

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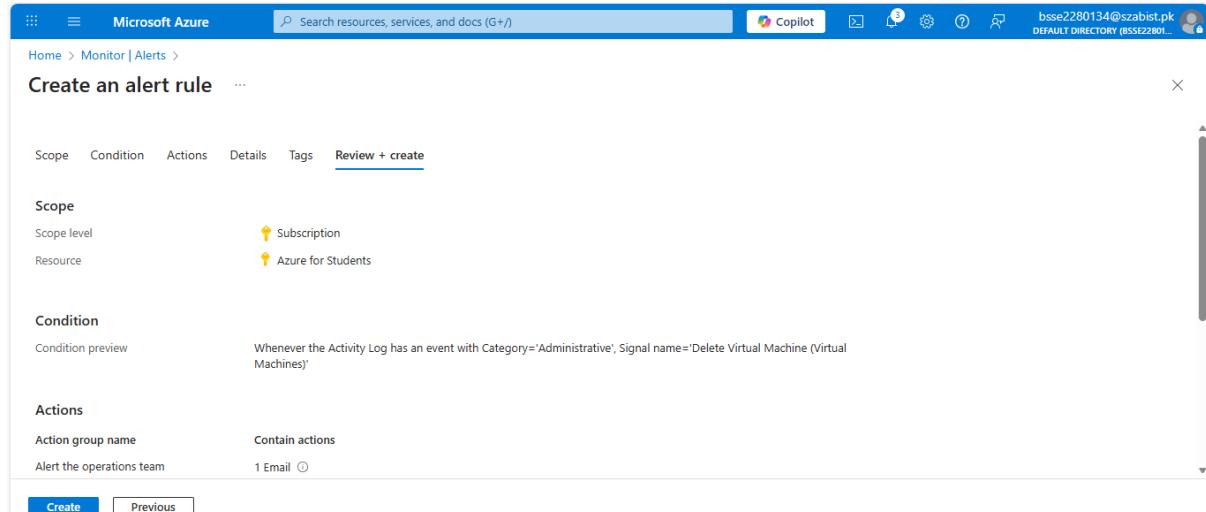
|	
Condition preview	Whenever the Activity Log has an event with Category='Administrative', Signal name='Delete Virtual Machine (Virtual Machines)'

Actions

Action group name	Contain actions
Alert the operations team	1 Email ⓘ

Create | Previous

Task 4: Trigger an alert and confirm it is working.

Delete azurevmzainab

This action will permanently delete the virtual machine and is irreversible even if delete operation fails.

Resource to be deleted	Resource type
azurevmzainab	Virtual machine

☑ Apply force delete ⓘ

You can also choose to delete associated resources at the same time. Resources that aren't deleted will be orphaned. Associated resources that are in use by other resources are not shown here.

Associated resource type	Quantity	Delete with VM
> 🟢 OS disk	1	☑
> 🟩 Network interfaces	1	☐

☑ I have read and understand that this virtual machine as well as any selected associated resources listed above will be deleted.

Delete   Cancel   🗨 Feedback

Azure Monitor alert 'VM was deleted' was activated for 'az104-vm0' at December 23, 2025 6:20 UTC

You're receiving this notification as a member of the AlertOpsTeam action group because an Azure Monitor alert was activated.

Activity log alert	VM was deleted
Time	December 23, 2025 6:20 UTC
Category	Administrative
Operation name	Microsoft.Compute/virtualMachines/delete

Task 5: Configure an alert processing rule.

Create an alert processing rule

Rule settings

Rule type	Suppress notifications

Scheduling

Apply the rule	At a specific time
Schedule	From 23/12/2025 at 10:00 am to 24/12/2025 at 7:00 am (UTC+05:00 Islamabad, Karachi)

Details

Subscription	Azure for Students
Resource group	zainabRG
Name	Planned Maintenance
Description	Suppress notifications during planned maintenance
Enable rule upon creation	☑

Create   Previous

Task 6: Use Azure Monitor log queries.

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

Copilot

bsse2280134@szabist.pk
DEFAULT DIRECTORY (BSSE22801...

Home > Monitor

Monitor | Logs
Microsoft

Search

- Overview
- Activity log
- Alerts
- Issues (preview)
- Metrics
- **Logs**
- Change Analysis
- Service health
- Workbooks
- Dashboards with Grafana
- Insights
- Managed Services
- Settings

Add or remove favorites by pressing Ctrl+Shift+F

New Query 1* · · · ×   +

Save   Share   · · ·   Queries hub

Run   Time range : Set in query   Show : 1000 results   KQL mode

```
1  // Count heartbeats
2  // Count all computers heartbeats from the last hour.
3  // Count computers heartbeats in the last hour.
4  // Normally, agents on VMs generate Heartbeat event every minute.
5  InsightsMetrics
```

Results   Chart