



Log Analytics

Create a Memory Alert for Virtual machines
Configure Alerts/thresholds /Action groups on the
resources Database monitoring



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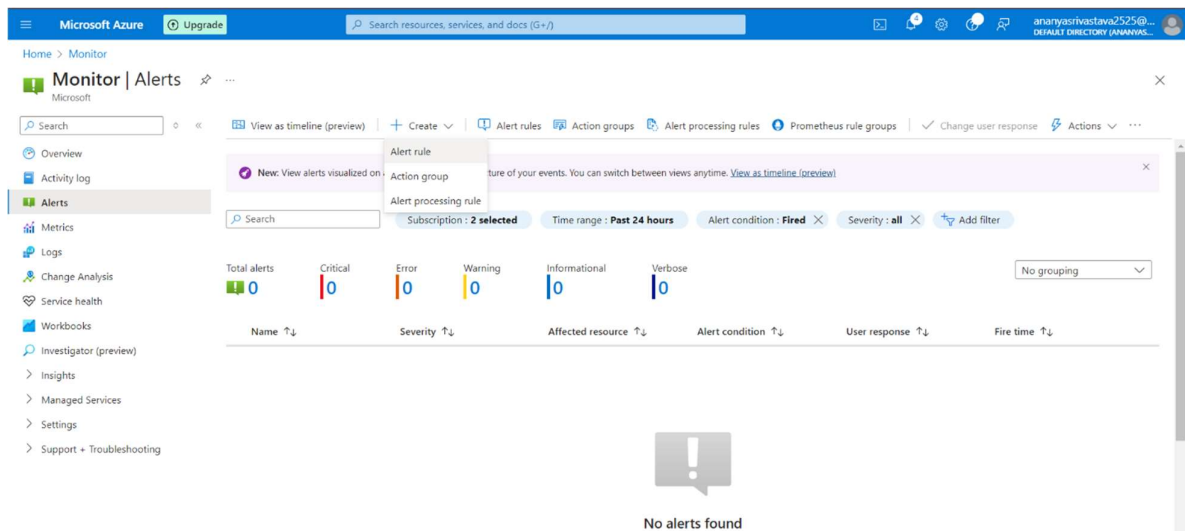
1. Create an Azure Memory alert

Step 1: Sign in to Azure Portal

1. Go to [Azure Portal](#).
2. Sign in with your Azure account.

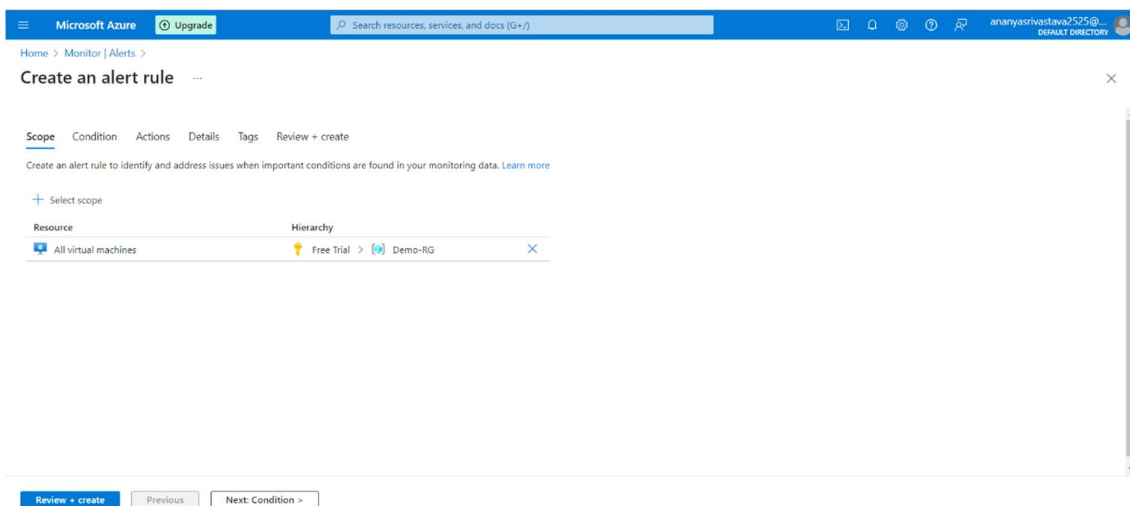
Step 2: Navigate to Azure Monitor

1. In the left-hand menu, select "Monitor".



Step 3: Create an Alert Rule

1. In Azure Monitor, select "Alerts" from the menu.
2. Click on "New alert rule".



Step 4: Select a Resource:

1. Click on **Select resource** to choose the virtual machine you want to monitor.
2. Use the filters to find and select the "VM2" to monitor.

Step 5: Add a Condition

1. Click on **Add condition**.
2. In the **Signal type** dropdown, select **Metric**.
3. In the search box, type "Available Memory" and select the **Available Memory** metric.
4. Configure the alert logic:
 - **Condition:** Set the threshold by selecting **Static**.
 - **Operator:** Select "Less than".
 - **Threshold value:** Enter 500.
 - **Aggregation type:** Select **Average**.
 - **Aggregation granularity (Period):** Select **5 minutes**.
 - **Frequency of evaluation:** Set it to **5 minutes**.

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Home > Monitor | Alerts >

Create an alert rule

Alert logic

We have set the condition configuration automatically based on popular settings for this metric. Please review and make changes as needed.

Threshold ☐ Static ☐ Dynamic

Aggregation type

Operator

Unit

Threshold value

When to evaluate

Check every

Lookback period

+ Add condition

Preview \$0.10 USD/month

Whenever the average Available Memory Bytes (Preview) is less than 500 Bytes

Time range: Over the last 6 hours Time series: Aggregate

190.73MiB
143.05MiB
98.37MiB
47.65MiB

11 AM 12 PM 1 PM 2 PM 3 PM 4 PM UTC+05:30

Available Memory Bytes (Preview) (Avg, vm2, 161.72MiB)

Review + create Previous Next: Actions >

Step 6: Define the Action Group

1. Click on **Add action group**.
2. Click on **Create action group**.
 - **Action group name:** VM_Memory_Alert_Group.
 - **Short name:** VM_Memory.
 - **Subscription:** Select subscription.
 - **Resource group:** Select or create a resource group.
 - Click on **Next: Notifications**.

- Under **Notification type**, select **Email/SMS message/Push/Voice**.
- For **Name**, enter Notification2.
- For **Email**, enter ananya.21jics081@ijetjodhpur.ac.in.
- Click on **OK**.
- Click on **Review + create**, then **Create**.

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Home > Monitor | Alerts > Create an alert rule >

Create action group ...

Basics Notifications Actions Tags Review + create

An action group invokes a defined set of notifications and actions when an alert is triggered. [Learn more](#)

Project details

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

Subscription ⓘ Free Trial

Resource group * ⓘ Demo-RG
Create new

Region * Global

Instance details

Action group name * ⓘ VM_Memory_Alert_Group ✓

Display name * ⓘ VM_Memory ✓
The display name is limited to 12 characters

Review + create Previous Next: Notifications >

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Home > Monitor | Alerts > Create an alert rule >

Create action group ...

Basics Notifications Actions Tags Review + create

Choose how to get notified when the action group is triggered. This step is optional.

Notification type ⓘ Name ⓘ Selected ⓘ

Email/SMS message/Push/Voice ✓

Email/SMS message/Push/Voice

Add or edit Email/SMS message/Push/Voice action

☒ Email
Email * ⓘ ananya.21jics081@ijetjodhpur.ac.in ✓

☒ SMS (Carrier charges may apply)
Country code * ⓘ 91
Phone number * ⓘ 9661467880 ✓

☐ Azure mobile app notification
Azure account email ⓘ

☐ Voice
Country code ⓘ 1
Phone number ⓘ

Enable the common alert schema. [Learn more](#)
Yes No

Review + create Previous Next: Actions > OK

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Home > Monitor | Alerts > Create an alert rule >

Create action group

Basics **Notifications** Actions Tags Review + create

Choose how to get notified when the action group is triggered. This step is optional.

Notification type	Name	Selected
Email/SMS message/Push/Voice	Notification2	Email, SMS message

Review + create Previous Next: Actions >

Step 7: Configure the Alert Details

1. **Alert rule name:** LowMemoryAlert_VM2.
2. **Description:** This alert triggers when available memory on VM1 is below 500 MB for 5 minutes.
3. **Severity:** Select 2 (Warning).
4. Ensure **Enable alert rule upon creation** is checked.

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Home > Monitor | Alerts >

Create an alert rule

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

Project details

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

Subscription * Free Trial

Resource group * Demo-RG

Alert rule details

Severity * 3 - Informational

Alert rule name * LowMemoryAlert_VM2

Alert rule description * This alert triggers when available memory on VM1 is below 500 MB for 5 minutes.

Advanced options

Review + create Previous Next: Tags >

Step 8: Review and Create

1. Review all the configurations and settings to ensure they are correct.
2. Click on **Create alert rule** to finalize and deploy the alert rule.

The screenshot shows the Microsoft Azure Monitor Alerts interface. The left sidebar contains navigation links: Home > Monitor, Monitor | Alerts, Overview, Activity log, Alerts, Metrics, Logs, Change Analysis, Service health, Workbooks, Investigator (preview), Insights, Managed Services, Settings, and Support + Troubleshooting. The main content area shows a table of alert rules with columns: Name, Severity, Affected resource, Alert condition, and User response. A notification pane on the right displays recent events: 'Alert rule created', 'Create action group', and 'Successfully restarted virtual machine'.

Name	Severity	Affected resource	Alert condition	User response
rule1	4 - Verbose	vm1	Fired	New
rule1	4 - Verbose	vm1	Fired	New
rule1	4 - Verbose	vm1	Fired	New
rule1	4 - Verbose	vm1	Fired	New

2. Alert Notification appears in my Email and SMS Message.

The screenshot shows a Gmail inbox with an email from Microsoft Azure. The email subject is "You've been added to an Azure Monitor action group". The body text confirms the user is in the VM_Memory action group and will receive notifications. It also provides account information including Subscription ID, Resource group name, and Action group name.

You're now in the VM_Memory action group

Microsoft Azure <azure-noreply@microsoft.com> to me

You've been added to an Azure Monitor action group

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

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

Account information

Subscription ID: 44041B6E-0893-415B-9571-904C8E3706F7

Resource group name: Demo-RG

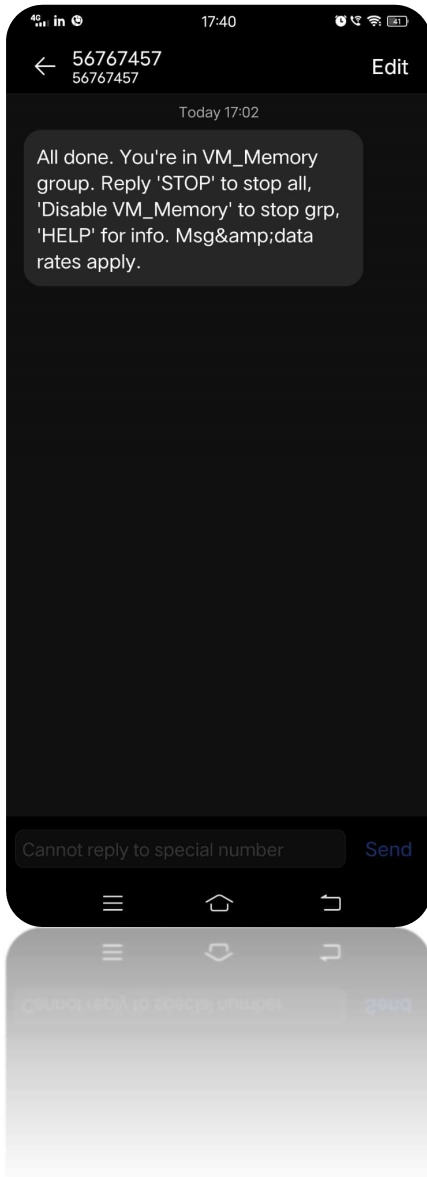
Action group name: VM_Memory_Alert_Group

To unsubscribe from this action group, [click here](#).

[Facebook](#) [Twitter](#) [YouTube](#) [LinkedIn](#)

[Privacy Statement](#)

Microsoft Corporation One Microsoft Way Redmond, WA 98052



3. Reference

- YouTube : <https://www.youtube.com/watch?v=puvJDAaMhOA>
- Website : <https://learn.microsoft.com/en-us/azure/azure-monitor/alerts/alerts-overview>