

10. Ensure proactive monitoring of your Azure resources and receive alerts for potential issues.

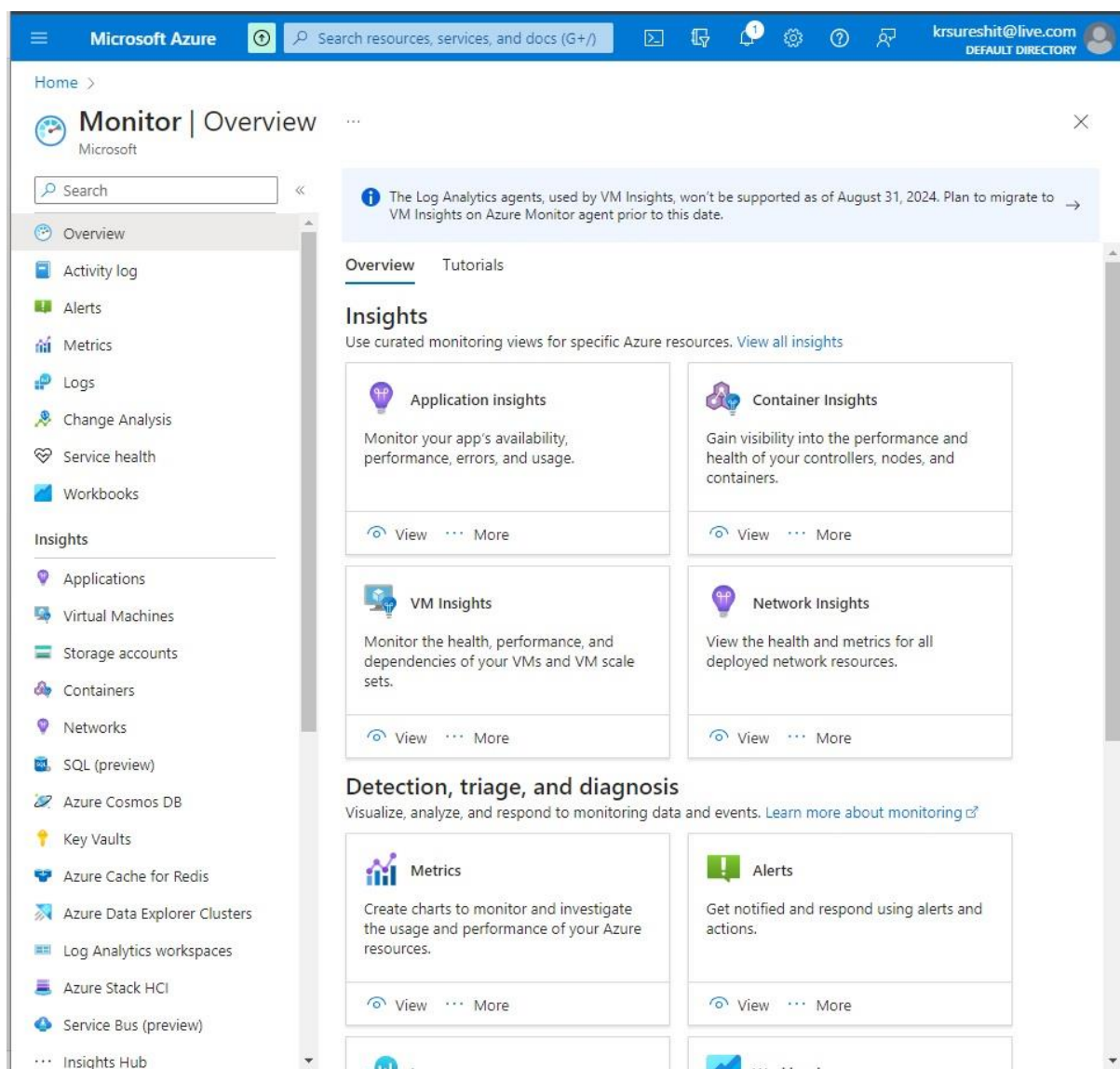
- Set up Azure Monitor for key resources, such as virtual machines and databases.
- Configure custom metrics and log alerts based on specific thresholds.
- Create action groups to define notification methods (e.g., email, SMS) for alert responses.
- Validate the alerting system by intentionally triggering an alert condition.

1. Azure Portal:

- Log in to the Azure Portal.

2. Azure Monitor:

- Navigate to the "Monitor" section in the left-hand menu.



3. Metrics:

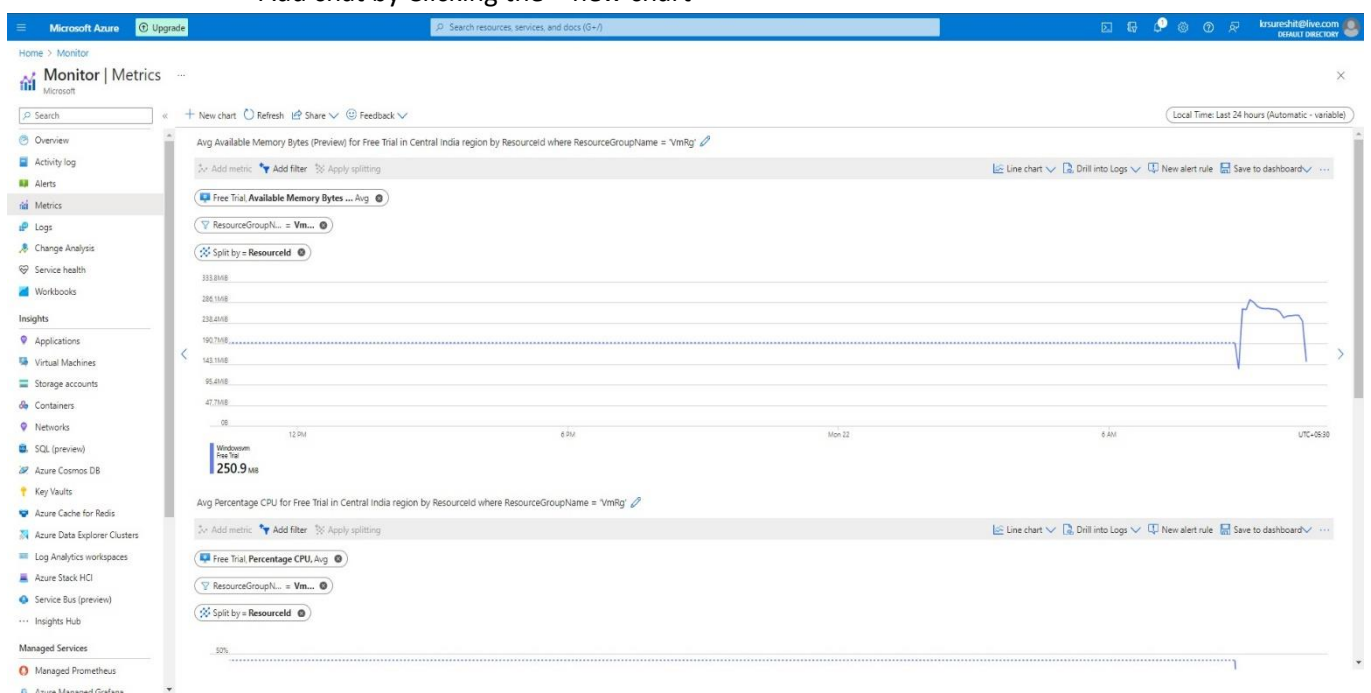
- Explore the metrics of your Azure resources to understand their performance.
 - Select the resource you want to monitor.
 - Go to the "Metrics" tab to view available metrics.

The screenshot shows the Microsoft Azure Monitor interface. On the left is a navigation pane with options like Overview, Activity log, Alerts, Metrics, Logs, Change Analysis, Service health, Workbooks, and Insights. The main area is titled 'Monitor | Metrics' and contains a search bar and a '+ New chart' button. A 'Select a scope' dialog is open on the right. It has tabs for 'Browse' and 'Recent'. Under 'Browse', there are dropdowns for 'Resource types' (set to 'All resource types') and 'Locations' (set to 'All locations'). Below these is a search bar 'Search to filter items...'. A table lists available scopes:

Scope	Resource type	Location
<input type="checkbox"/> Free Trial	Subscription	-
<input type="checkbox"/> > NetworkWatcherRG	Resource group	-
<input checked="" type="checkbox"/> > VmRg	Resource group	-

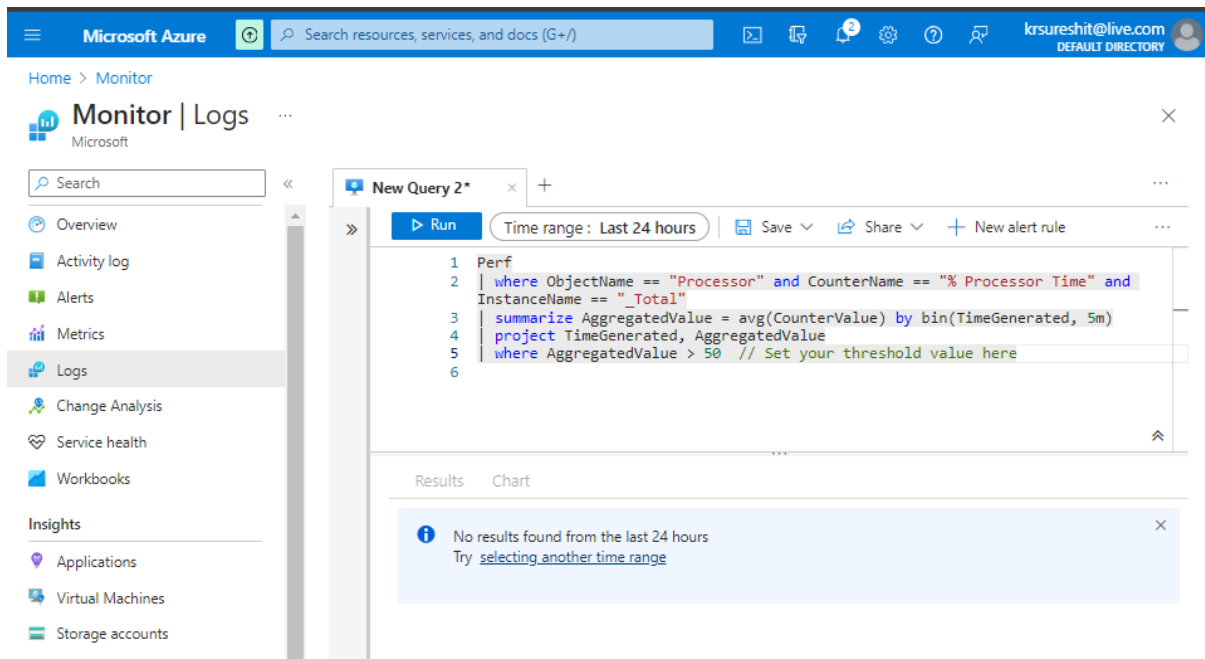
Below the table is a message: 'Why can't I select multiple resources? Azure limits selections to one resource type and one location. Please refine your scope.' Under 'Refine scope', there are dropdowns for 'Resource type *' (set to 'Virtual machines') and 'Location *' (set to 'Central India'). Below this, it shows 'Selected scopes: 1 scope' with a list containing '> VmRg' and 'Resource group'. At the bottom are 'Apply', 'Cancel', and 'Clear all selections' buttons.

- Add chart by Clicking the + new chart



4. Logs:

- Check the "Logs" section to access Azure Monitor Logs for more in-depth analysis.
- Write queries to retrieve specific data for analysis.



5. Alerts:

- Go to the "Alerts" section under Azure Monitor.
- Click on "New alert rule" to create a new alert.

6. Define Alert Rule:

- Choose the resource type you want to monitor.
- Set the conditions for the alert (e.g., CPU usage exceeding a threshold).
- Define the alert severity and threshold values.

Microsoft Azure

Search resources, services, and docs (G+)

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DEFAULT DIRECTORY

Home > Monitor | Logs >

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 * ⓘ

Percentage CPU

See all signals

Alert logic

Threshold ⓘ

☒ Static ☐ Dynamic

Aggregation type ⓘ

Average

Operator ⓘ

Greater than

Threshold value * ⓘ

5

%

When to evaluate

Check every ⓘ

1 minute

Lookback period ⓘ

5 minutes

Preview

\$0.10 USD/month

Whenever the average Percentage CPU is greater than 5%

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

Review + create

Previous

Next: Actions >

7. Action Group:

- Create an Action Group that specifies what happens when the alert is triggered.

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

Home > Monitor | Logs > 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

Resource group * [Create new](#)

Region *

Instance details

Action group name *

Display name * The display name is limited to 12 characters

- Add notification channels (e.g., email, SMS).

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

Home > Monitor | Logs > 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
Email/SMS message/Push/Voice	

Email/SMS message/Push/Voice

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

☒ Email

Email *

☒ SMS (Carrier charges may apply)

Country code *

Phone number *

☐ Azure mobile app notification

Azure account email

☐ Voice

Country code

Phone number

Enable the common alert schema. [Learn more](#)

Yes ☒ No

OK

- Define actions, such as invoking Azure Automation runbooks.
- Configure notification channels for your Action Group.
- Add email addresses, phone numbers, or other relevant contact information.

Microsoft Azure Search resources, services, and docs (G+)

Home > Monitor | Logs >

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 action groups + Create action group

Action group name	Contains actions
Testpolicy1	1 Email, 1 SMS message

9. Test Alert:

- Consider testing your alert to ensure that notifications are triggered appropriately.

Microsoft Azure Search resources, services, and docs (G+)

Home > Monitor | Logs > Create an alert rule >

Testpolicy1

Edit action group

Save changes Test action group

Basics

Subscription Free Trial

Resource group VmRg

Region Global

Action group name Testpolicy1

Display name * Notification

Notifications

Test Testpolicy1

← Back to test setup

Running the test now. This might take a few minutes.

Notification type	Notification name	Status
Email	Notification	Running
SMS message	Notification	Running

10. Review and create the alert rule:

Microsoft Azure Search resources, services, and docs (G+)

Home > Monitor | Logs >

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 * VmRg

[Create new](#)

Alert rule details

Severity * 1 - Error

Alert rule name * CPU5

Alert rule description Cpu usage graterthan 5

Region * Central India

Identity (preview)

Select which identity to use when running the log query. This will determine the permissions you have to access Azure Data Explorer and other resources when the query is running. [Learn more about identities in log alert rules](#)

☒ Default

☐ System assigned managed identity

☐ User assigned managed identity

Use an existing Azure managed identity and its permissions. You can use one identity for multiple alert rules. [Learn more](#)

Advanced options

Review + create Previous Next: Tags >

- Received the alert based on the matrices

This is a test static threshold metric alert from Azure Monitor Action Groups.

Inbox x

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

Unsubscribe

11:30 AM (1 minute ago)

Microsoft Azure

Your Azure Monitor alert was triggered

Azure monitor alert rule test-metricAlertRule was triggered for test-storageAccount at January 22, 2024 6:00 UTC.

Rule ID	/subscriptions/11111111-1111-1111-1111-111111111111/providers/Microsoft.AlertsManagement/alerts/bbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb View Rule >
Resource ID	/subscriptions/11111111-1111-1111-1111-111111111111/resourcegroups/test-RG/providers/microsoft.storage/storageaccounts/test-storageAccount View Resource >