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.
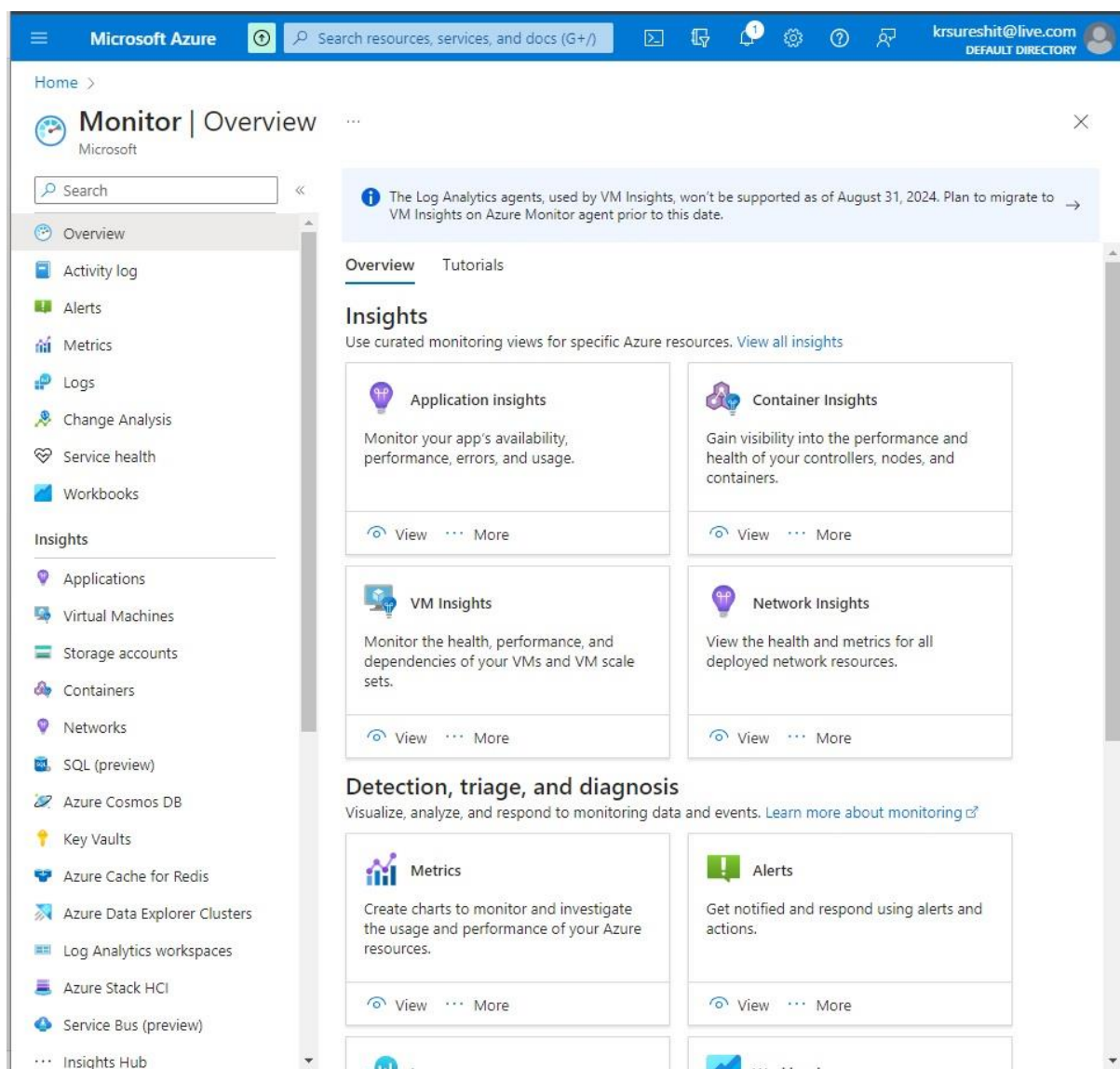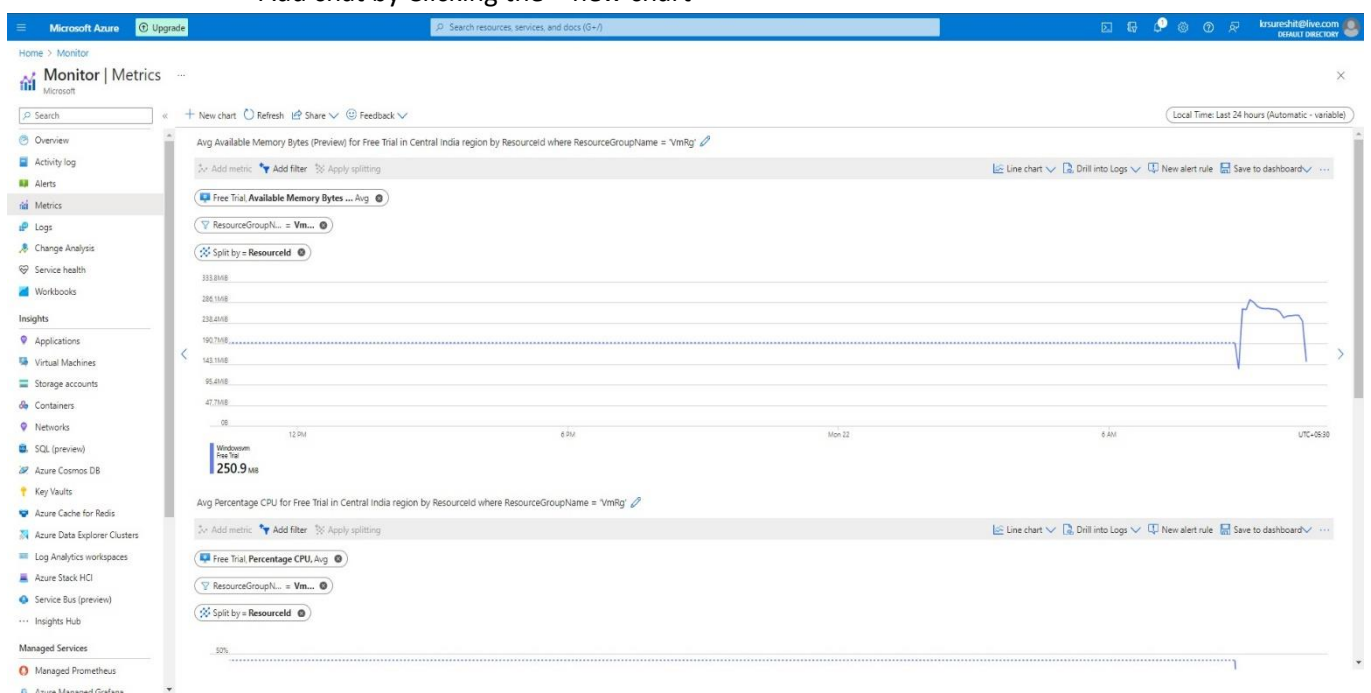
3. Metrics:

- 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.

- Add chat 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.
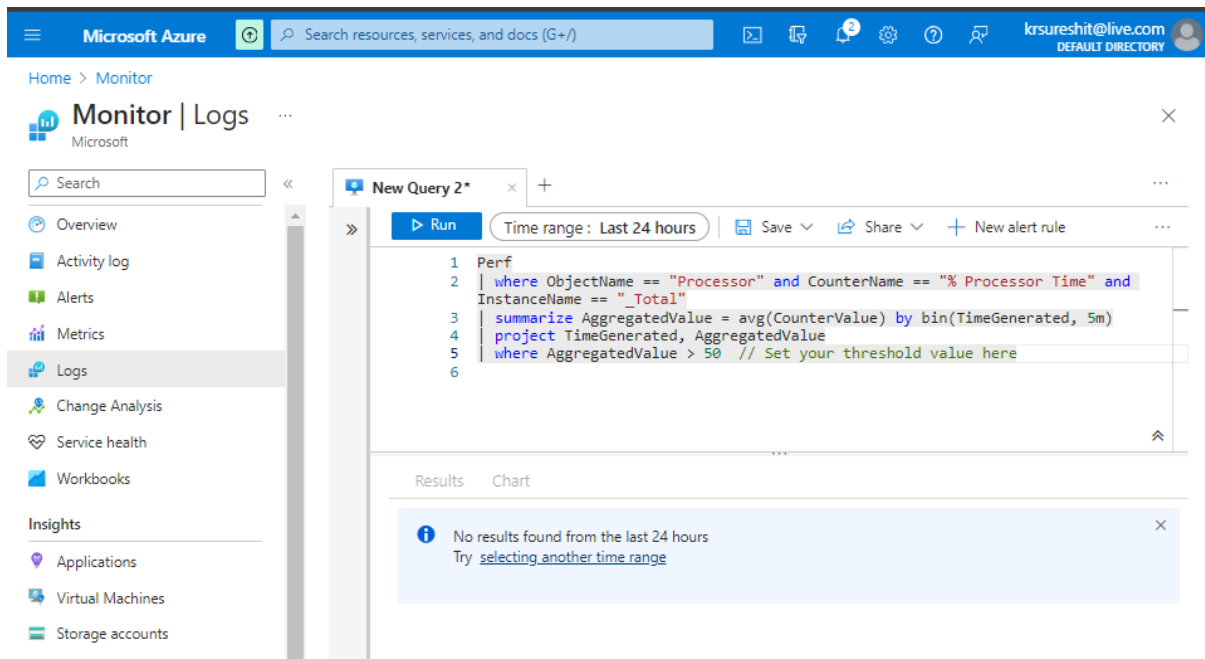
5. Alerts:

- 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.

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   ❶ ∨ |

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**

45%
40%
35%
30%
25%
20%

Review + create   Previous   Next: Actions >

---

7. Action Group:

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

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

- 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.

9. Test Alert:

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

10. Review and create the alert rule:

- Received the alert based on the matrices

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

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

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/11111111-1111-1111-1111-1111111111 11/providers/Microsoft.AlertsManagement/alerts/bbbb bbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb View Rule >
Resource ID	/subscriptions/11111111-1111-1111-1111-1111111111 11/resourcegroups/test-RG/providers/microsoft.storag e/storageaccounts/test-storageAccount View Resource >