St. JOSEPH'S GROUP OF INSTITUTIONS
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aws

Placement Empowerment Program
Cloud Computing and DevOps Centre

Set Up a Cloud-Based Monitoring Service Enable
basic cloud monitoring (e.g., CloudWatch on AWS). View metrics like CPU usage and disk I/O for your cloud VM.

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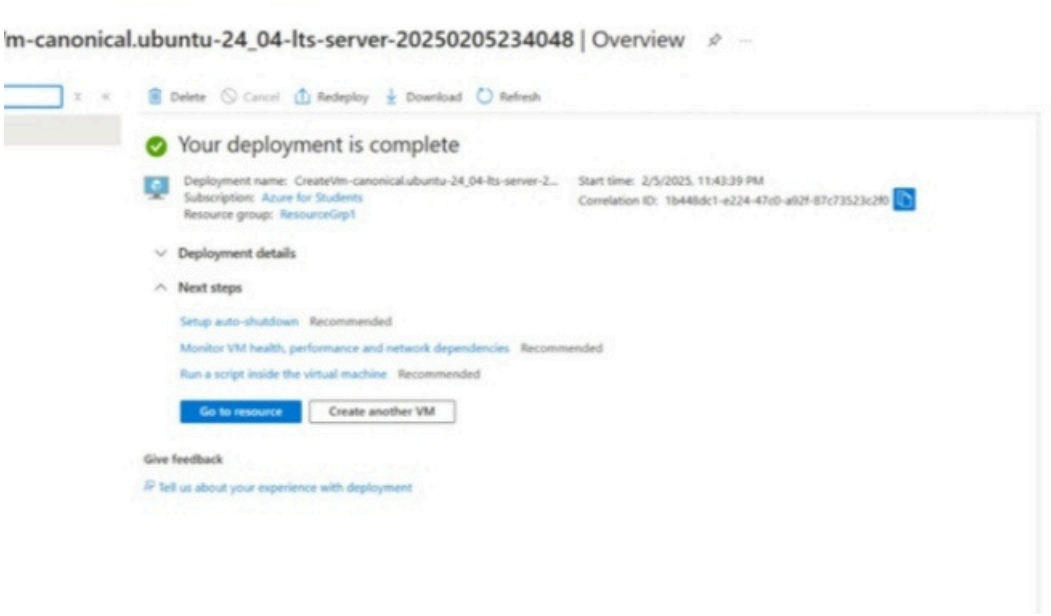
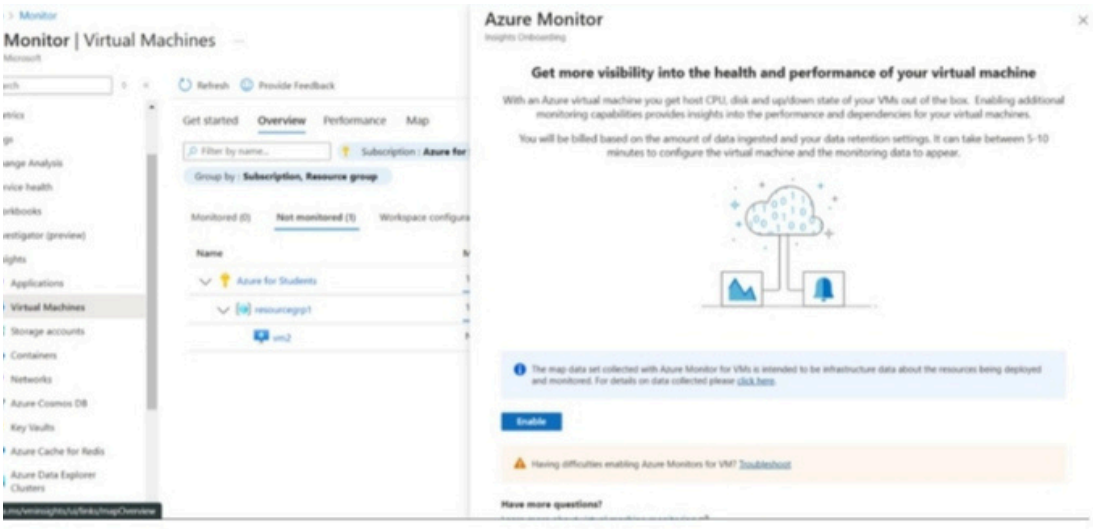
Step 1:

1. Create or Select an Azure Virtual Machine
If you don’t already have a VM set up, create one through the Azure portal.
Go to the Azure Portal.
Click on "Create a resource".
Select "Virtual Machine".
Fill in the necessary details (name, region, image, size, etc.).
Complete the VM creation process.

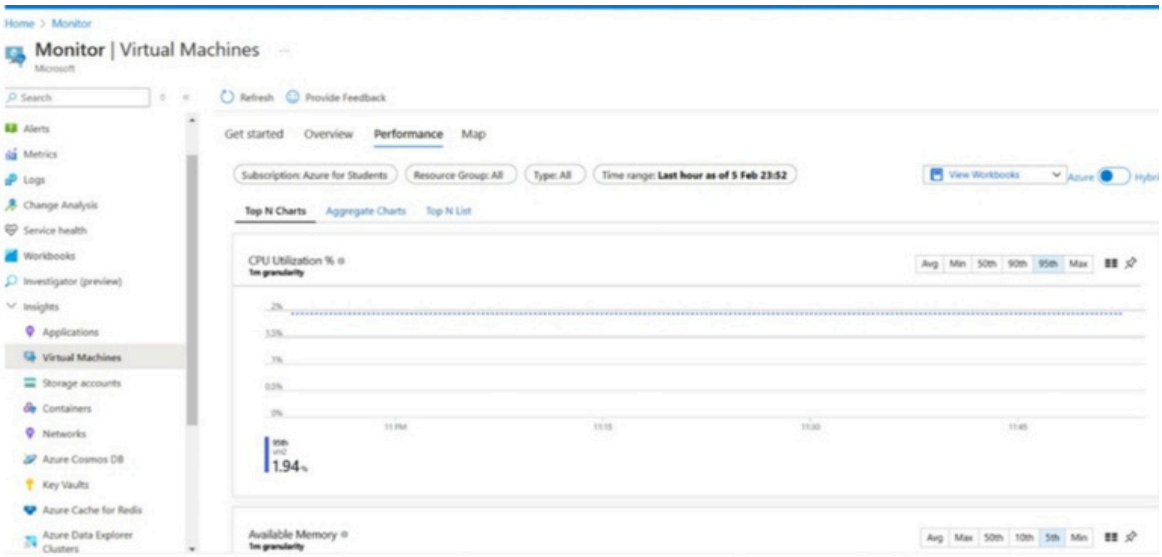


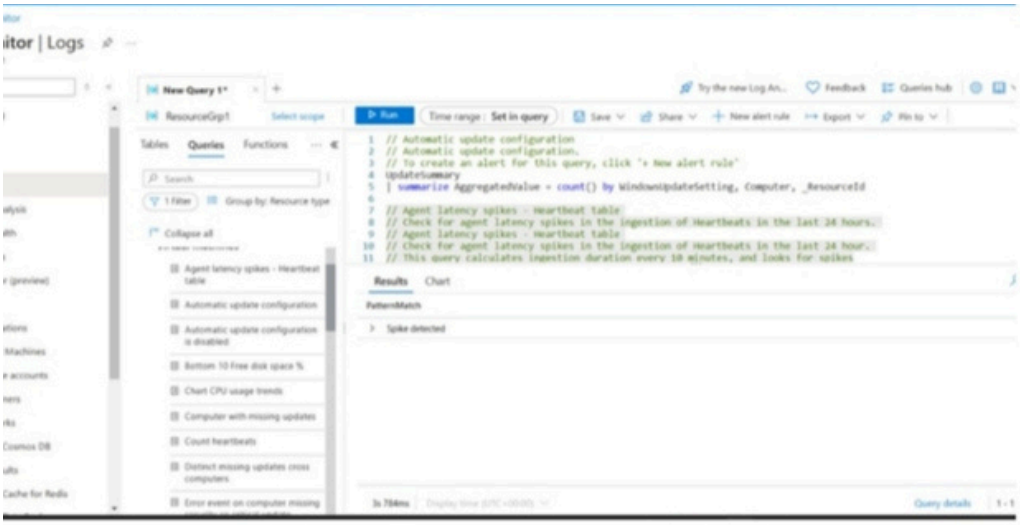
2. Enable Azure Monitor
To collect and monitor metrics for your VM, you need to enable Azure Monitor for the VM.
In the Azure Portal, go to "Monitor" (search for "Monitor" in the top search bar).
Under Monitor, go to "VM insights" (under the Insights section).
Click on "Enable" to activate monitoring on the VM. If it's already enabled, you can skip this.



3. Configure Monitoring for Your Virtual Machine
Once Azure Monitor is enabled, configure it to collect the specific metrics you want (e.g., CPU usage, disk I/O).
Go to "Virtual Machines" in the Azure portal.
Select the VM you want to monitor.
In the VM's settings, under Monitoring, click on "Insights".
This will provide you with various metrics for the VM, including:
CPU usage
Disk I/O
Network statistics
Memory usage
Under the Performance tab, you can view real-time metrics.

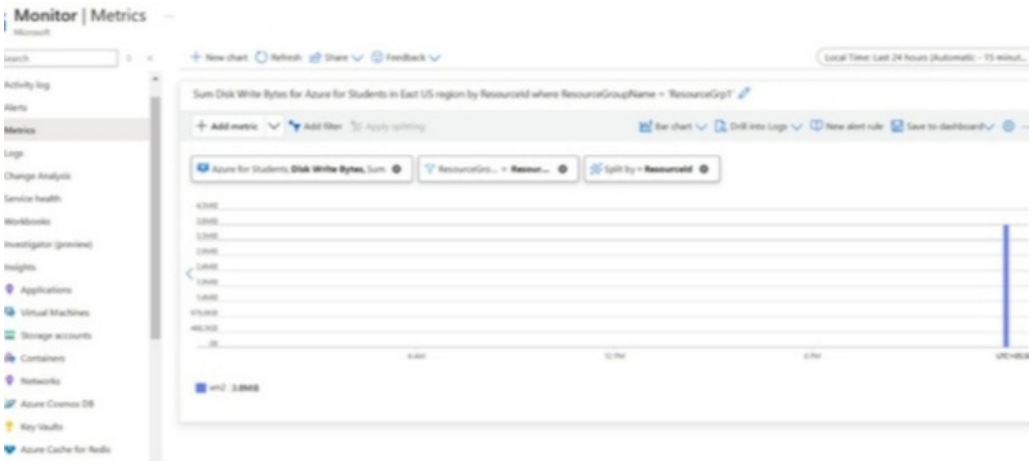
View Metrics and Logs
After configuring monitoring, you can view the metrics and logs using Azure Monitor.
Go to the Monitor section in the Azure Portal.
Under Insights, click on VM Insights to view the performance metrics.
Use Logs under Monitoring to run queries and explore collected data from your VM.
You can filter the data based on time, performance counters (CPU, disk I/O), and other resources.





Use Azure Metrics Explorer for Custom Dashboards

In Azure Monitor, you can use Metrics Explorer to create custom dashboards and graphs for various metrics.

Go to Monitor > Metrics > + New.

Select the resource (VM), choose the metric you want (e.g., CPU usage, Disk I/O), and customize the visualization.