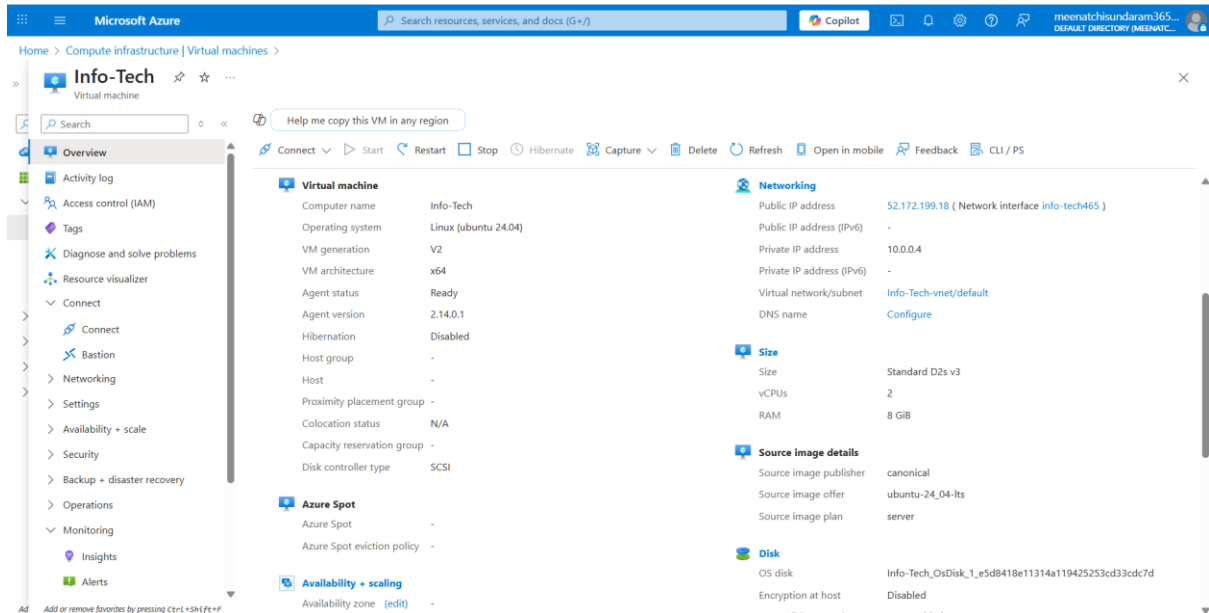


# Configure CPU Utilization Alert for Azure VM

## OBJECTIVE:

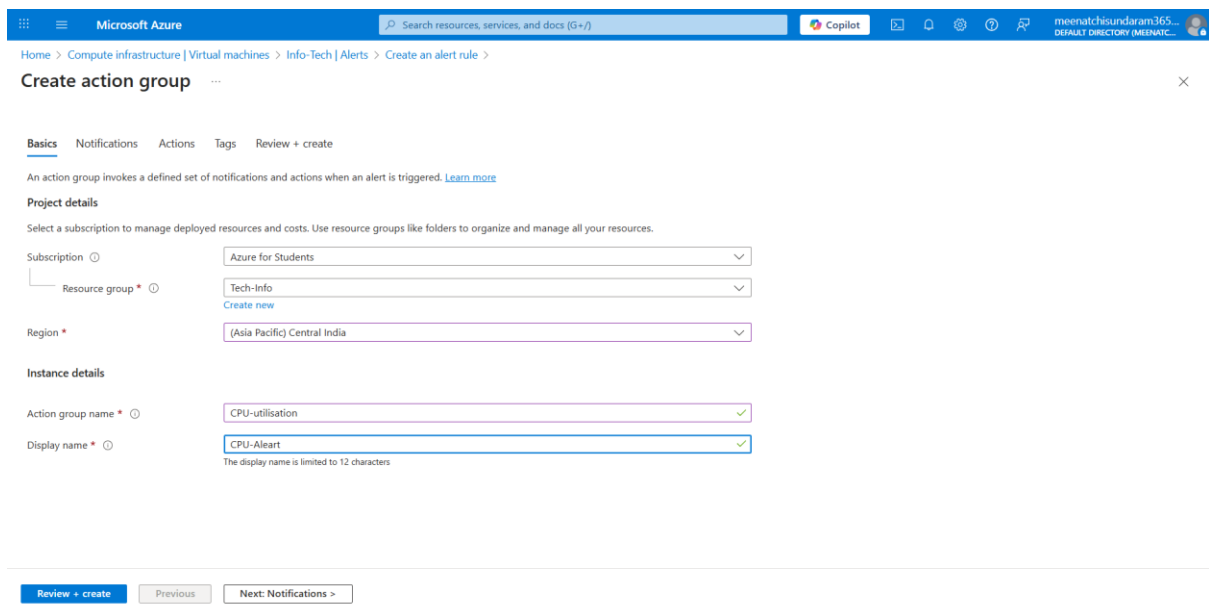
Set up an alert rule in Azure to monitor CPU usage on the virtual machine and trigger an alert when CPU usage exceeds a defined threshold.

## STEP 1 :Creating an Azure Virtual Machine



## STEP 2 :

Create Action Group serves as a collection of notification preferences and automated actions that are executed when an alert is triggered



## STEP 3 :

### SET UP THE Threshold (Value):

- **5 %:** You've set the threshold to 5%. This means the alert will trigger if the CPU utilization goes above 5%.

The screenshot shows the 'Create an alert rule' page in the Microsoft Azure portal. The 'Condition' tab is selected. The signal is 'Percentage CPU'. The alert logic is configured with a static threshold type, maximum aggregation, and a value greater than 5%. The evaluation frequency is set to 1 minute with a 5-minute lookback period. A preview graph on the right shows the CPU usage over the last 6 hours, with a red line indicating the 5% threshold and a data point at 43.31%.

**Signal name**  [See all signals](#)

**Alert logic**

**Threshold type** ☒ Static ☐ Dynamic

**Aggregation type**

**Value is**

**Threshold**  %

**When to evaluate**

**Check every**

**Lookback period**

**Preview** \$0.10 USD/month

Whenever the maximum Percentage CPU is greater than 5%

Preview time range : **Over the last 6 hours** Time series : **Aggregate**

43%  
40%  
35%  
30%  
25%  
20%  
15%  
10%  
5%  
0%

11 AM Jul 21 11:42 AM 1 PM 2 PM 3 PM UTC+05:30

■ value : 43.31%

■ Percentage CPU (Max), info-tech --

[Review + create](#) [Previous](#) [Next: Actions >](#)

## STEP 4:

### Configure The Mailid / Phone Number Set Up to Get a CPU Utilisation Notification

The screenshot shows the 'CPU-utilisation' alert rule configuration page in the Microsoft Azure portal. The 'Notifications' section is expanded, showing the 'Email/SMS message/Push/Voice' notification type. The 'Email' checkbox is checked, and the email address is 'meenatchisundaram365@gmail.com'. The 'SMS' checkbox is also checked, and the country code is '91' and the phone number is '063854 15963'. The 'Voice' checkbox is unchecked. The 'Azure mobile app notification' checkbox is also unchecked. The 'Enable the common alert schema' checkbox is checked, and the 'OK' button is highlighted.

**Basics**

Subscription

Resource group

Region

Action group name

Display name

**Notifications**

Notification type	Name	Status	Selected
Email/SMS message/Push/Voice	meenatchi sundaram	Subscribed	Email, SMS

**Actions**

Action type	Name	Selected

**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

**The action is opted in for common alert schema**

[OK](#)

## STEP 5 :

The alert rule, configured with a CPU utilization threshold of greater than 5%, has been triggered. The current metric value of 22.42% has exceeded this defined threshold. Consequently, the associated action group has initiated its configured actions, including sending an email notification to the designated recipient."

The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Connect, Bastion, Networking, Settings, Availability + scale, Security, Backup + disaster recovery, Operations, Monitoring, and Alerts. The main content area is titled 'Info-Tech | Alerts' and shows a table of alerts. The table has columns for Name, Severity, Affected resource, Alert condition, User response, and Fire time. A single alert is listed: 'CPU-utilisation' with a severity of '3 - Informational', affected resource 'info-tech', alert condition 'Fired', user response 'New', and fire time '7/21/2025, 4:58 PM'.

## OUTPUT :

The top screenshot shows a Gmail inbox with several emails from Microsoft Azure. The bottom screenshot shows a detailed view of an email from Microsoft Azure titled 'Fired:Sev3 Azure Monitor Alert CPU-utilisation on info-tech ( microsoft.compute/virtualmachines ) at 7/21/2025 11:28:29 AM'. The email body includes a summary table with details about the alert.

Summary	
Alert name	CPU-utilisation
Severity	Sev3
Monitor condition	Fired
Affected resource	info-tech