

2. Configure basic monitoring for an Azure virtual machine using Azure Monitor. Create custom alerts based on specific metrics.

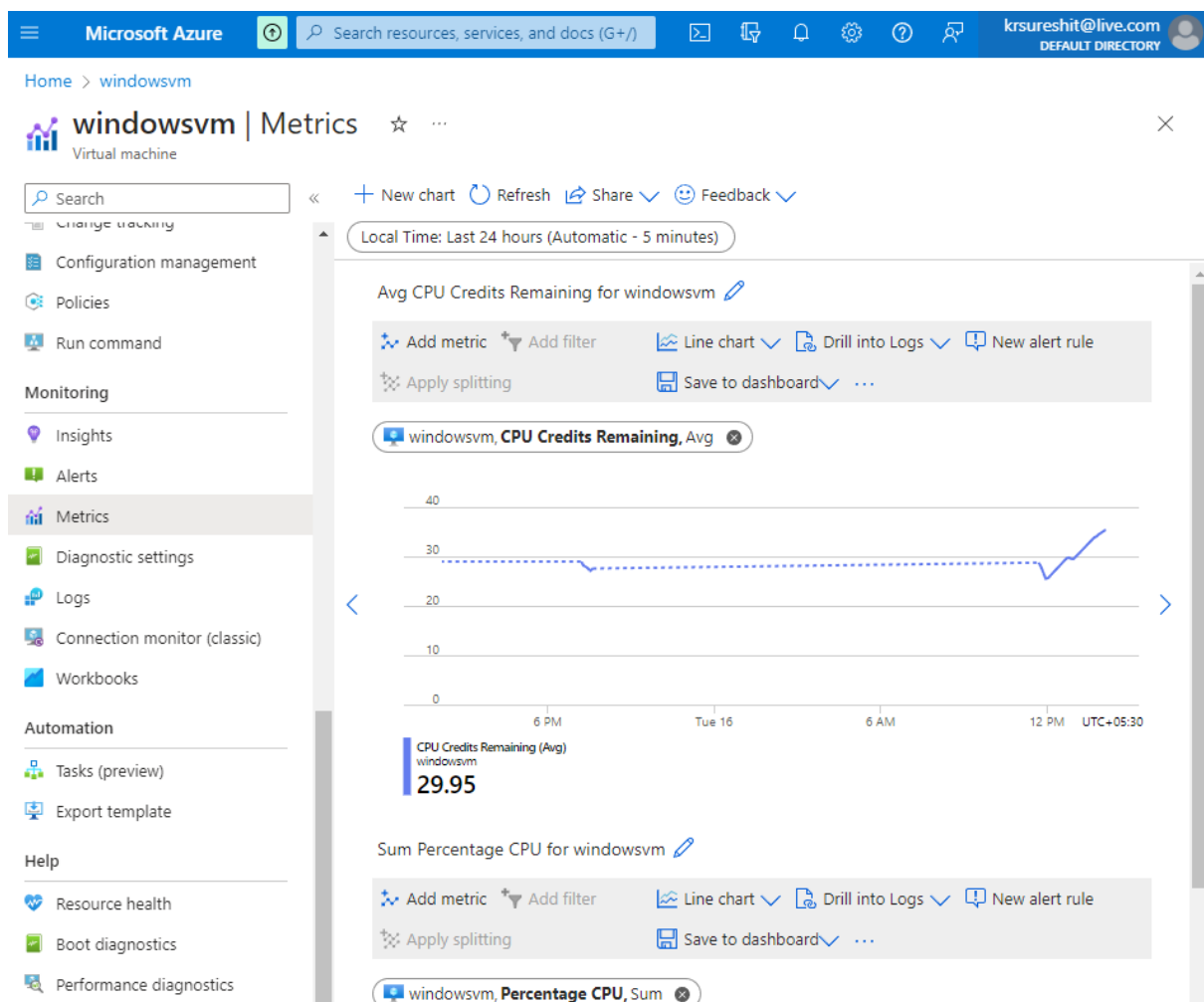
- Configure alerts based on CPU usage exceeding a defined threshold.
- Trigger the alert condition and receive notifications.

To configure basic monitoring for an Azure virtual machine using Azure Monitor

## Configure basic monitoring for an Azure virtual machine using Azure Monitor

### ❖ Configure Metrics Collection

- In the Azure portal, go to the "Monitor" section.
- Under the "Monitoring" section, select "Metrics."
- Choose a metric like "Percentage CPU" from the list.
- Configure the time range and granularity (e.g., 1 minute)



## Creating custom alerts based on specific metrics:

### ❖ Navigate to Azure Portal:

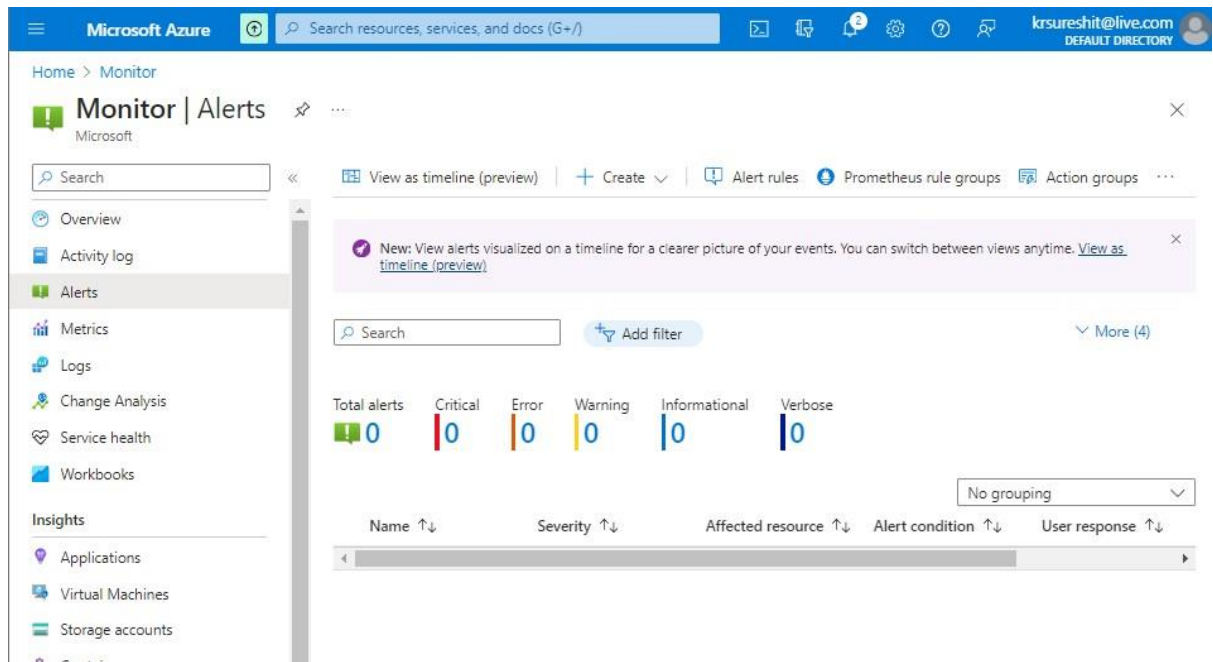
- Open the Azure Portal in your web browser and log in to your Azure account.

### ❖ Select your Virtual Machine:

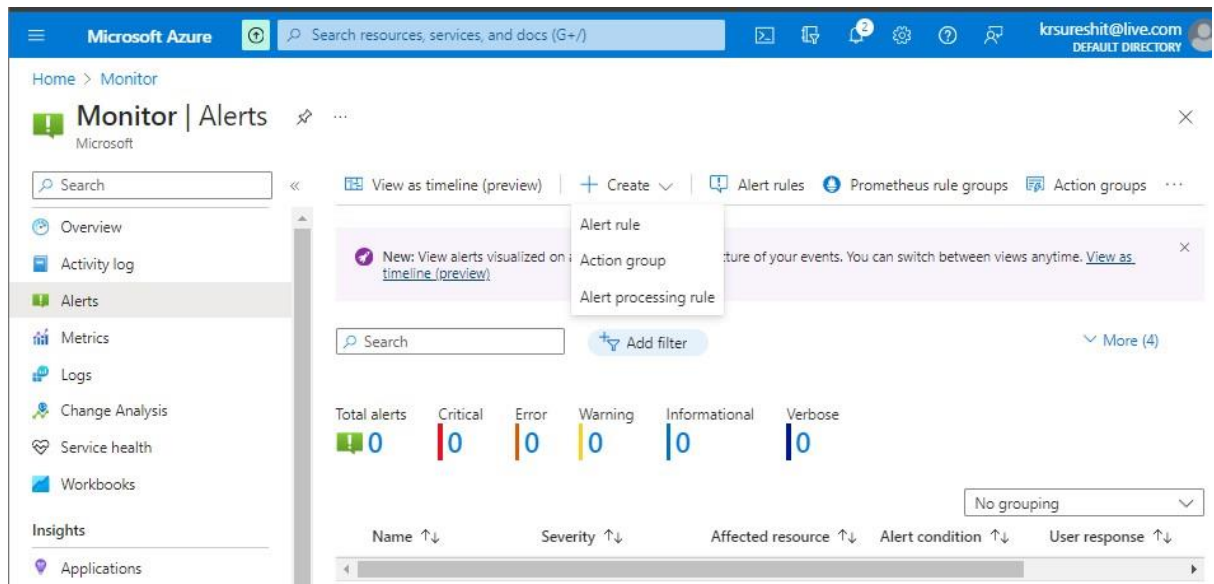
- In the left-hand navigation pane, click on "Virtual machines."
- Select the virtual machine for which you want to configure monitoring.

### ❖ Enable Monitoring:

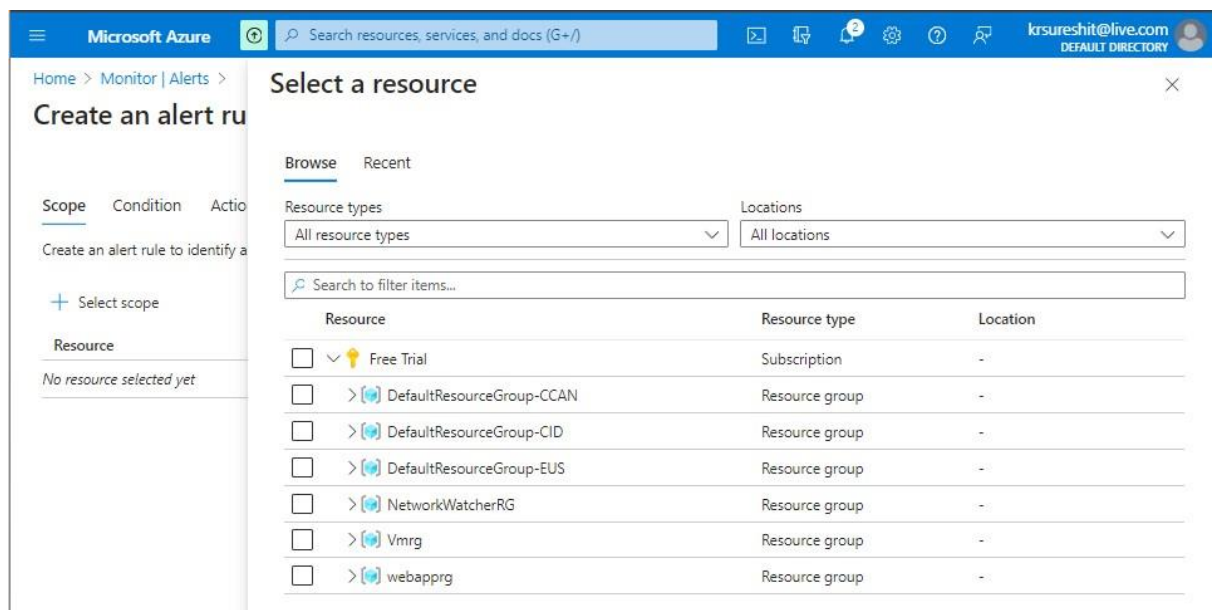
- In the portal, select Monitor > Alerts.
- Open the + Create menu, and select Alert rule



- Select **Alerts** from the left pane, and then select + **Create** > **Alert rule**.



- On the **Select a resource** pane, set the scope for your alert rule. You can filter by **subscription, resource type**, or **resource location**.



- Select **Apply**.

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Home > Monitor | Alerts > Create an alert rule

Scope Condition Action

Create an alert rule to identify a

+ Select scope

Resource

No resource selected yet

### Select a resource

Browse Recent

Resource types All resource types Locations All locations

Search to filter items...

Resource	Resource type	Location
<input type="checkbox"/> Free Trial	Subscription	-
<input type="checkbox"/> > DefaultResourceGroup-CCAN	Resource group	-
<input type="checkbox"/> > DefaultResourceGroup-CID	Resource group	-
<input type="checkbox"/> > DefaultResourceGroup-EUS	Resource group	-
<input type="checkbox"/> > NetworkWatcherRG	Resource group	-
<input type="checkbox"/> Vmrg	Resource group	-
<input checked="" type="checkbox"/> windowsvm	Virtual machine	Central India
<input type="checkbox"/> windowsvm-ip	Public IP address	Central India
<input type="checkbox"/> windowsvm-nsg	Network security group	Central India
<input type="checkbox"/> windowsvm-vnet	Virtual network	Central India
<input type="checkbox"/> windowsvm202	Network interface	Central India
<input type="checkbox"/> windowsvm_OsDisk_1_3c3dfd04503e498db40b7d0...	Disk	Central India
<input type="checkbox"/> > webapprg	Resource group	-

Selected resources 1 virtual machine

windowsvm Virtual machine Central India

Review + create Apply Cancel Clear all selections

- On the **Condition** tab, when you select the **Signal name** field, the most commonly used signals are displayed in the drop-down list. Select one of these popular signals, or select **See all signals** if you want to choose a different signal for the condition.

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krsureshit@live.com  
DEFAULT DIRECTORY

Home > Monitor | Alerts >

Create an alert rule

Configure when the alert rule should trigger by selecting a signal and defining its logic.

Signal name \*

Percentage CPU

See all signals

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

Average

Operator

Greater than

Threshold value \*

40

%

When to evaluate

Check every

1 minute

Lookback period

5 minutes

Preview

\$0.10 USD/month

Whenever the average Percentage CPU is greater than 40%

Time range : Over the last 6 hours

Time series : Aggregate

Review + create

Previous

Next: Actions >

➤ On the Actions tab, select or create the required action groups.

Home > Monitor | Alerts >

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

No action group selected yet

## 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 * ⓘ	Vmrg
	<a href="#">Create new</a>
Region *	Global

### Instance details

Action group name * ⓘ	NotificationActionGroup
Display name * ⓘ	Notification

The display name is limited to 12 characters

- Configure notifications. Select Next: Notifications, or select the Notifications tab at the top of the page.
- Define a list of notifications to send when an alert is triggered.
- For each notification: Select the Notification type, and then fill in the appropriate fields for that notification

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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	Windowsvm	Email

### Email/SMS message/Push/Voice

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

☒ Email

Email ⓘ yuvarajmanickam1@gmail.com

☐ SMS (Carrier charges may apply)

Country code ⓘ 1

Phone number

☐ Azure mobile app notification

Azure account email ⓘ

☐ Voice

Country code ⓘ 1

Phone number

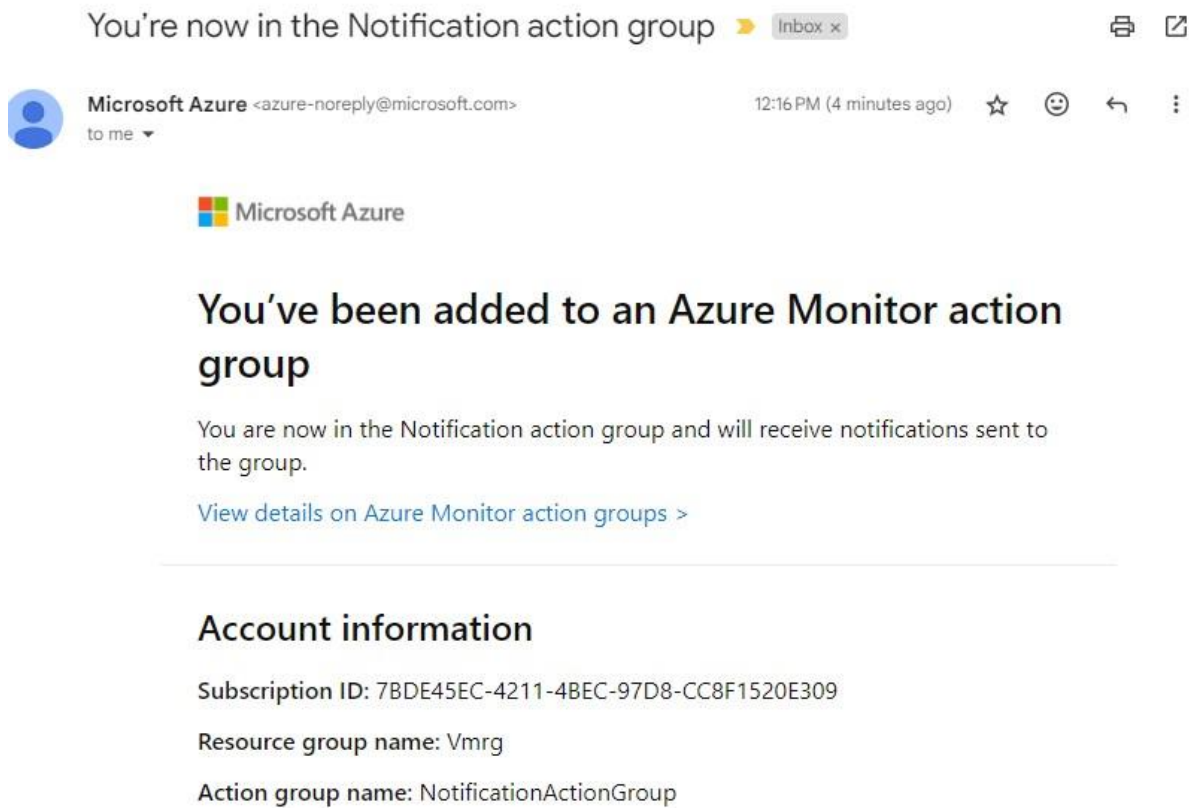
Enable the common alert schema. [Learn more](#)

Yes No

OK

- Select **Review + create** to review your settings. This step quickly checks your inputs to make sure you've entered all required information. If there are issues, they're reported here. After you've reviewed the settings, select **Create** to create the action group.

- When you configure an action to notify a person by email or SMS, they receive a confirmation that indicates they were added to the action group.



- On the Details tab, define the Project details.
  - Select the Subscription.
  - Select the Resource group.
- Define the Alert rule details.
- Select the Severity.
- Enter values for the Alert rule name and the Alert rule description.

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Home >

## 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 \* ① Free Trial

Resource group \* ① Vmrg [Create new](#)

**Alert rule details**

Severity \* ① 2 - Warning

Alert rule name \* ① CPU35Percent

Alert rule description ① CPU usage above 35 percent for this resource

**Advanced options**

**Custom properties**

Add your own properties to the alert rule. These will be sent with the alert payload. [Learn more](#)

Name	Value

**Settings**

Enable upon creation ① ☒

Automatically resolve alerts ① ☒

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

- On the **Review + create** tab, the rule is validated, and lets you know about any issues.
- When validation passes and you've reviewed the settings, select the **Create** button.



Home >

## Create an alert rule ...

Scope   Condition   Actions   Details   Tags   Review + create

Metric alert rule

1 Condition

[Terms of use](#) | [Privacy statement](#)


Total pricing

0.10 USD/month

[Pricing](#)

### Scope

Resource

 Free Trial >  Vmrg >  windowssvm

### Condition

Signal name

Percentage CPU

Operator

Greater than

Aggregation type

Average

Threshold value

35

Lookback period

5 minutes

Check every

1 minute

### Actions

Action group name

Contain actions

NotificationActionGroup

1 Email 

### Details

#### Project details

Subscription

Free Trial

Resource group

Vmrg

Create

Previous

- When you create or update an action group in the Azure portal, you can test the action group.
- On the action group page, select **Test action group**.

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Home > Monitor | Alerts >

### Action groups

+ Create Columns Refresh Open query Delete Enable Disable Test action group

Search

Subscription: Free Trial Resource group: all Location: all Status: Enabled

Name	Short name	Resource group	Subscription	Actions
NotificationActionGroup	Notification	vmrg	Free Trial	1 Email

#### Test NotificationActionGroup

Run a test on this action group using a sample alert to see how it works. [Learn more](#)

Select sample type \*

Select notifications + actions

Notification type	Notification name	Details
<input checked="" type="checkbox"/> Email	Windowsvm	yuvarajmanickam1@gmail...

- Select a sample type and the notification and action types that you want to test. Then select **Test**

Home > Monitor | Alerts >

### Action groups

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Subscription: Free Trial Resource group: all Location: all Status: Enabled

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<input checked="" type="checkbox"/> Email	Windowsvm	yuvarajmanickam1@gmail...

Showing 1 - 1 of 1 results.