

## Activity 1: Understanding Metrics for Azure VM and Configuring Alerts

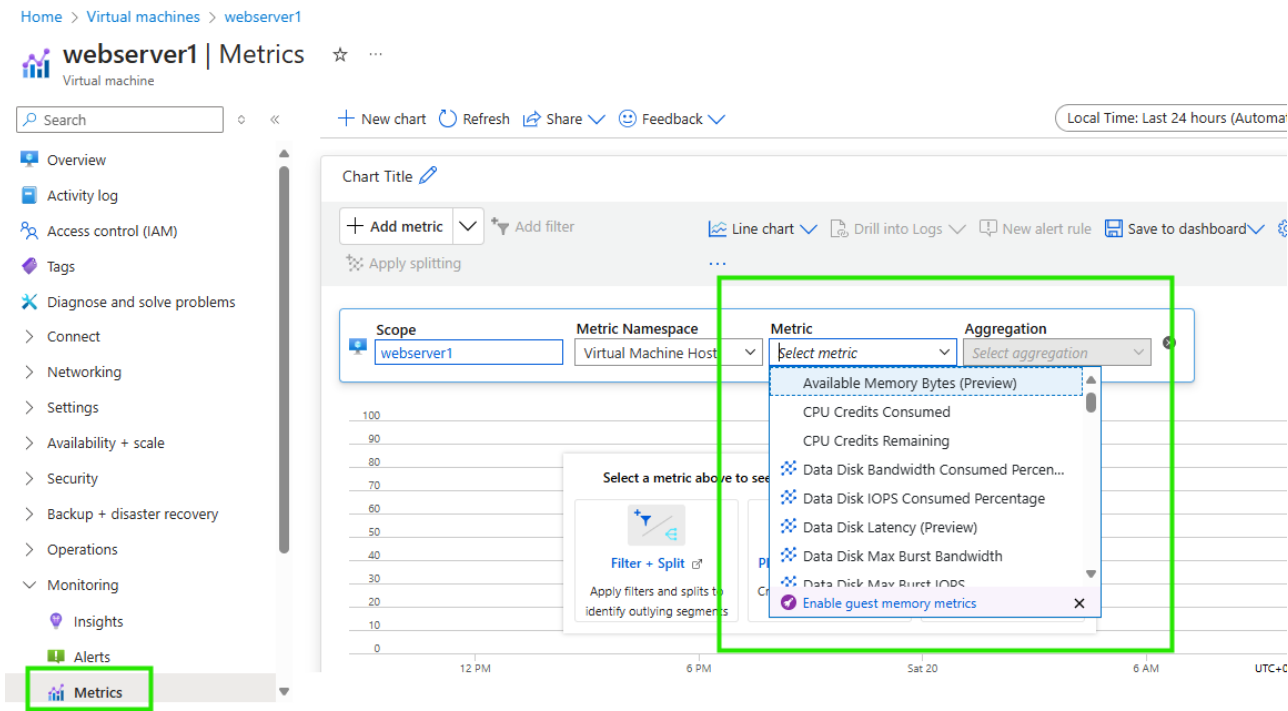
- Services:
  - Azure Monitor
  - Alerts
- Lab :
  - We will create two vms
    - Linux Server
    - Windows Server
  - We will explore all
    - metrics available
    - plotting options
  - We will configure some alert
    - alert destinations:
      - email
      - Teams/Slack Channels
- Understanding Alerts
  - Alert Rules: When to raise alerts
  - Action Group:
    - Notifications: Who should be informed
    - Actions: What actions can be taken
- Lets create a windows VM (For screenshots refer classroom video)

[Home](#) > [CreateVm-MicrosoftWindowsServer.WindowsServer-202-20240720091903](#) | [Overview](#) >

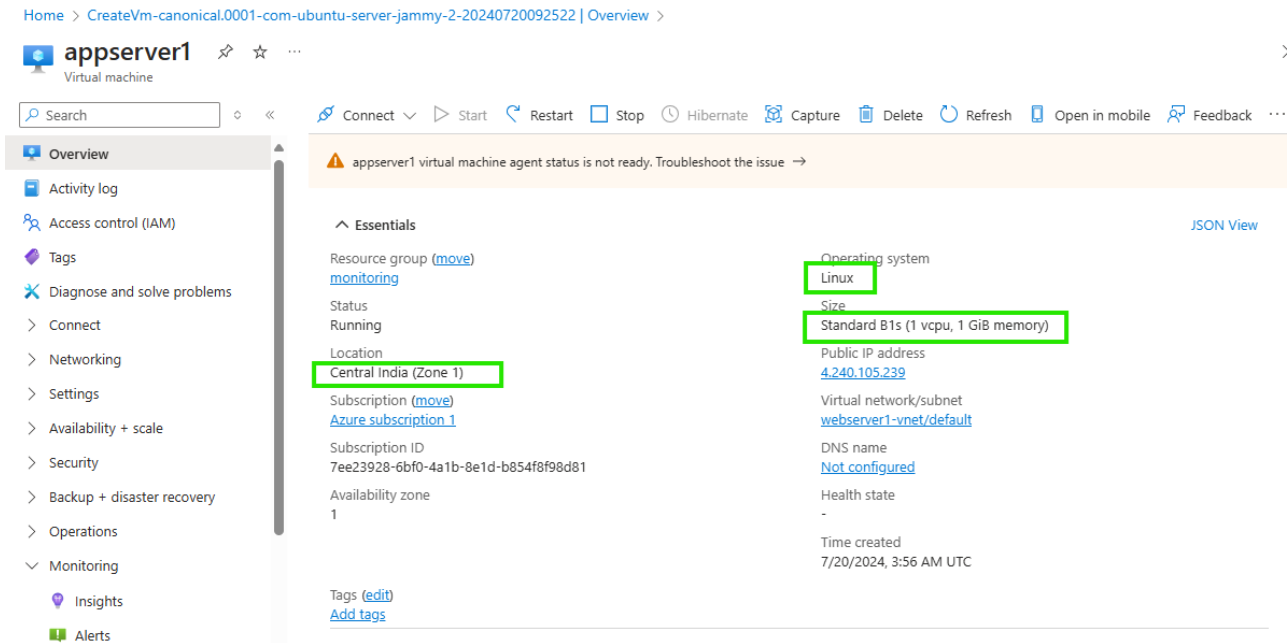
The screenshot displays the Azure portal interface for a virtual machine named 'webserver1'. The left sidebar shows navigation options like Overview, Activity log, Access control (IAM), Tags, and Diagnose and solve problems. The main content area is divided into 'Essentials' and a list of properties. In the 'Essentials' section, the 'Location' is highlighted as 'Central India (Zone 1)'. In the properties list on the right, the 'Operating system' is 'Windows', the 'Size' is 'Standard B1s (1 vcpu, 1 GiB memory)', and the 'Public IP address' is '20.244.32.218'. A warning banner at the top indicates that the virtual machine agent status is not ready.

Property	Value
Resource group	<a href="#">monitoring</a>
Status	Running
Location	Central India (Zone 1)
Subscription	<a href="#">Azure subscription 1</a>
Subscription ID	7ee23928-6bf0-4a1b-8e1d-b854f8f98d81
Availability zone	1
Operating system	Windows
Size	Standard B1s (1 vcpu, 1 GiB memory)
Public IP address	20.244.32.218
Virtual network/subnet	<a href="#">webserver1-vnet/default</a>
DNS name	Not configured
Health state	-
Time created	7/20/2024, 3:50 AM UTC

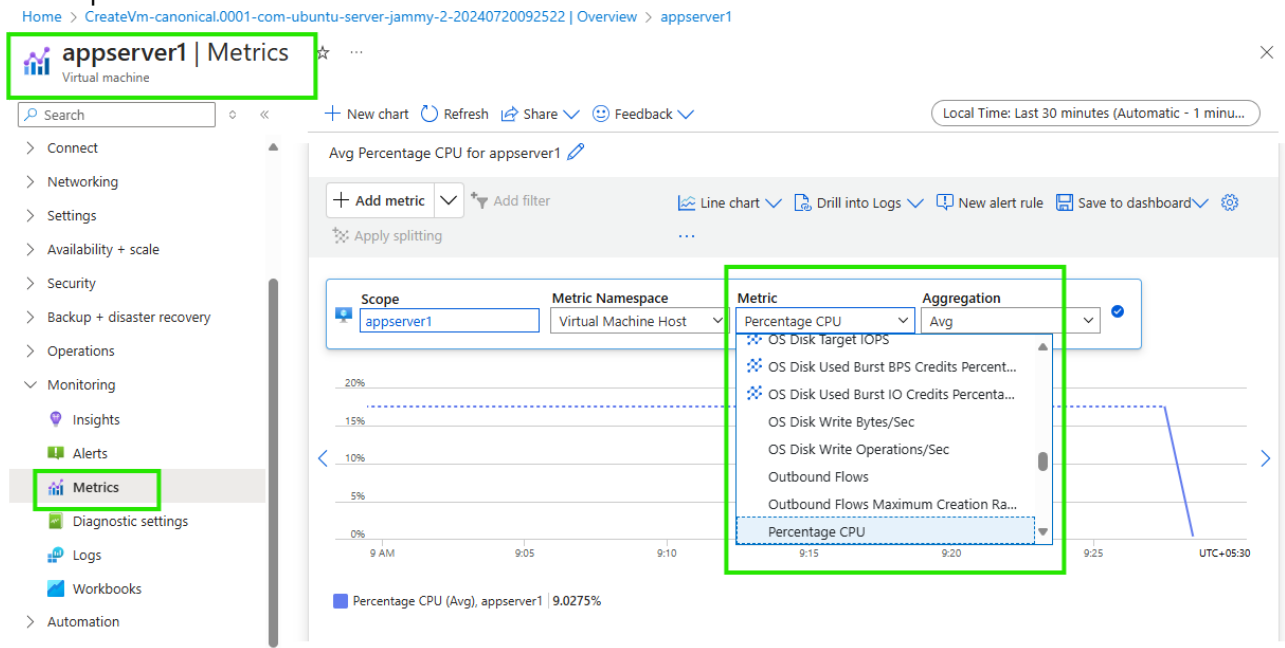
- Lets explore available metrics for Windows



- Lets create a ubuntu 22.04 Linux VM



- Lets explore available metrics for Linux



- Lets create a line chart for Percentage CPU Utilization of both Linux and window server

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

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admin@khaja.tech KHAJA.TECH (KHAJA.TECH)

### Monitor | Metrics

Home > Monitor

Search

+ New chart

Chart Title

+ Add m

Apply s

Scope

+ Se

100 90 80 70 60 50 40 30 20 10 0

#### Select a scope

Browse Recent

Subscription: All subscriptions

Resource types: Virtual machines

Locations: All locations

Search to filter items...

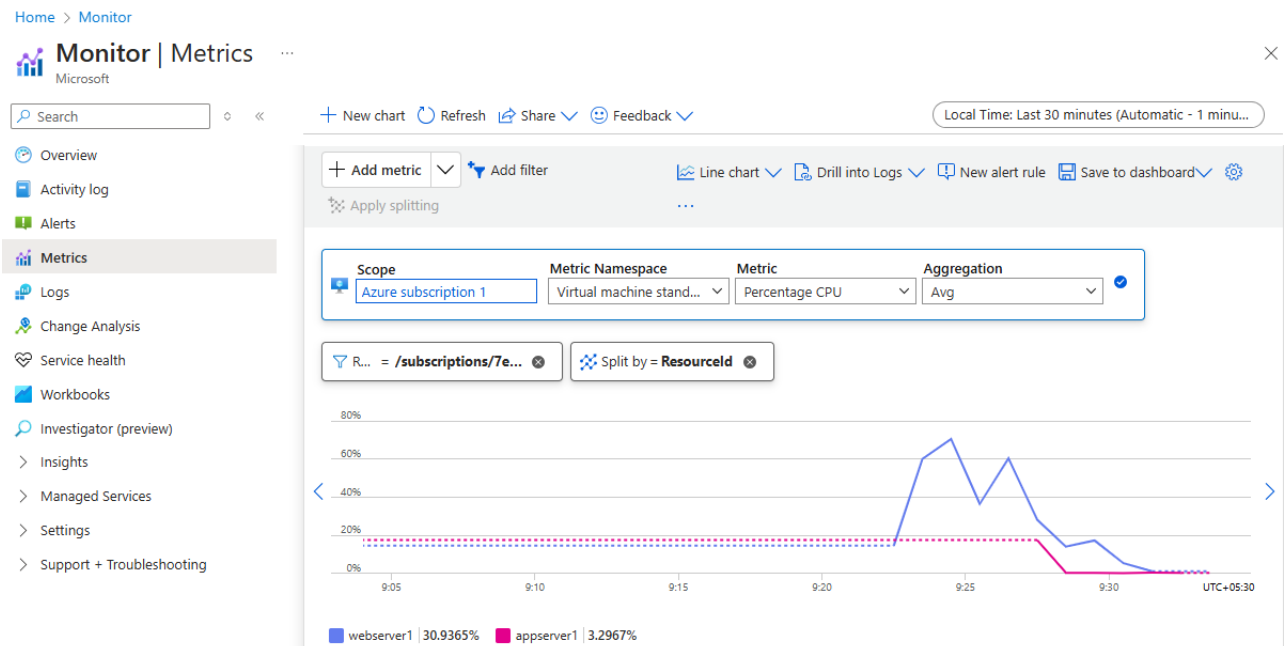
Scope	Resource type	Location
<input type="checkbox"/> Azure subscription 1	Subscription	-
<input type="checkbox"/> monitoring	Resource group	-
<input checked="" type="checkbox"/> appserver1	Virtual machine	Central India

**Why can't I select multiple resources?** You must select items of the same resource type and location. To select resources of a different resource type or location, please first uncheck your current selection.

**Selected scopes** 2 virtual machines

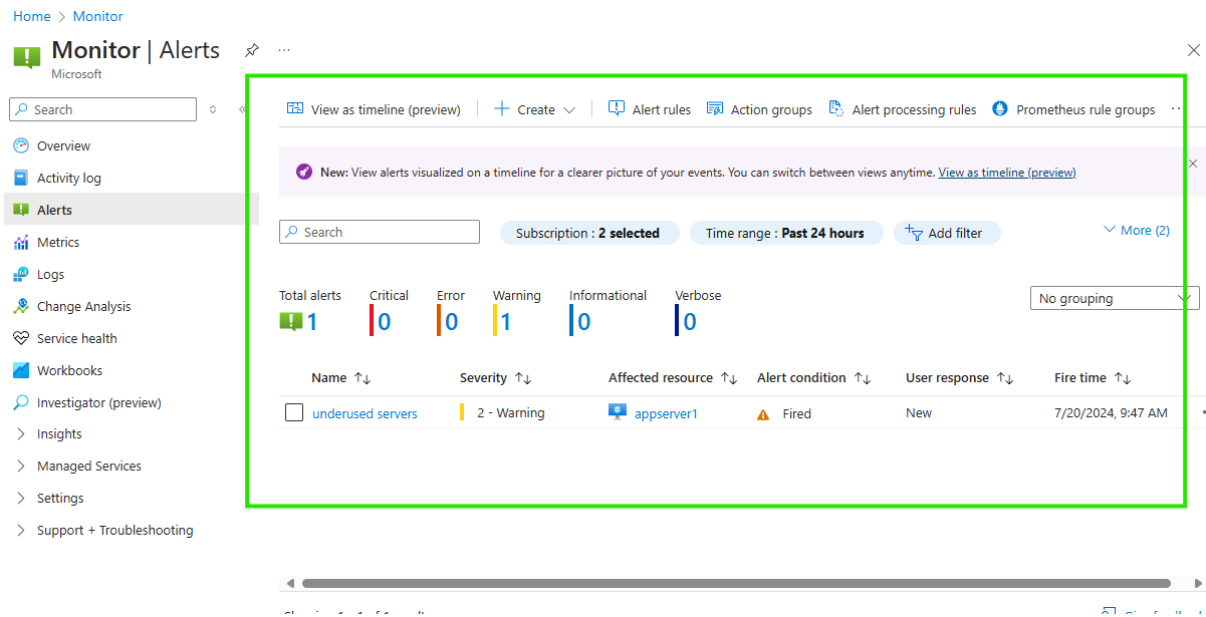
appserver1	Virtual machine	Central India	
webserver1	Virtual machine	Central India	

Apply Cancel Clear all selections



- Lets create two alerts and send email

- low cpu (underusage)



- high cpu

- All metrics for virtual Machines [Refer Here](#)