

# Core Assignment 1: Create a Dashboard in AWS CloudWatch

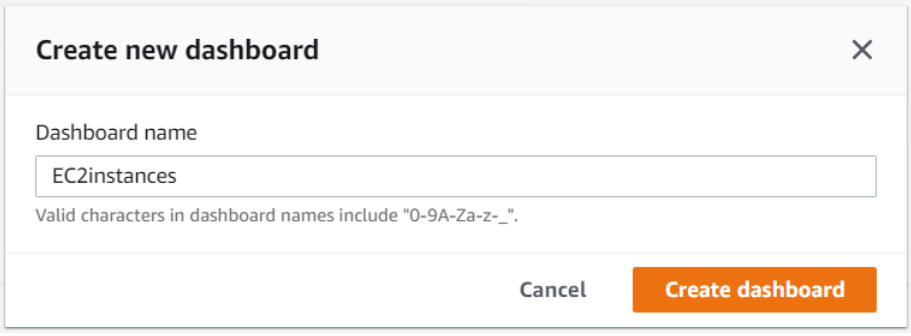
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Create a dashboard in AWS CloudWatch with the following widgets.

1. Add a widget to compare metrics over time
2.
  1. Select data source as metrics
  2. Resource – EC2 Instance (Select available EC2 instances)
  3. Metrics – CPU Utilization
  4. Monitor the CPU Utilization for the selected EC2 instance.
3. Add a widget to present multiple metrics in a single view.
4.
  1. Type – Pre-filled Explorer widget
  2. Template – EC2
  3. Choose some metrics like CPU Utilization, Network In, Network Out etc
  4. Choose some tags, for example – Instance type = t2.micro
  5. Aggregate by – average
  6. Save the dashboard

## Step1:

Go to [CloudWatch](#) in AWS Console and navigate to **Dashboards > Create Dashboards** and let's call it for example `EC2instances`.



**Create new dashboard** ✕

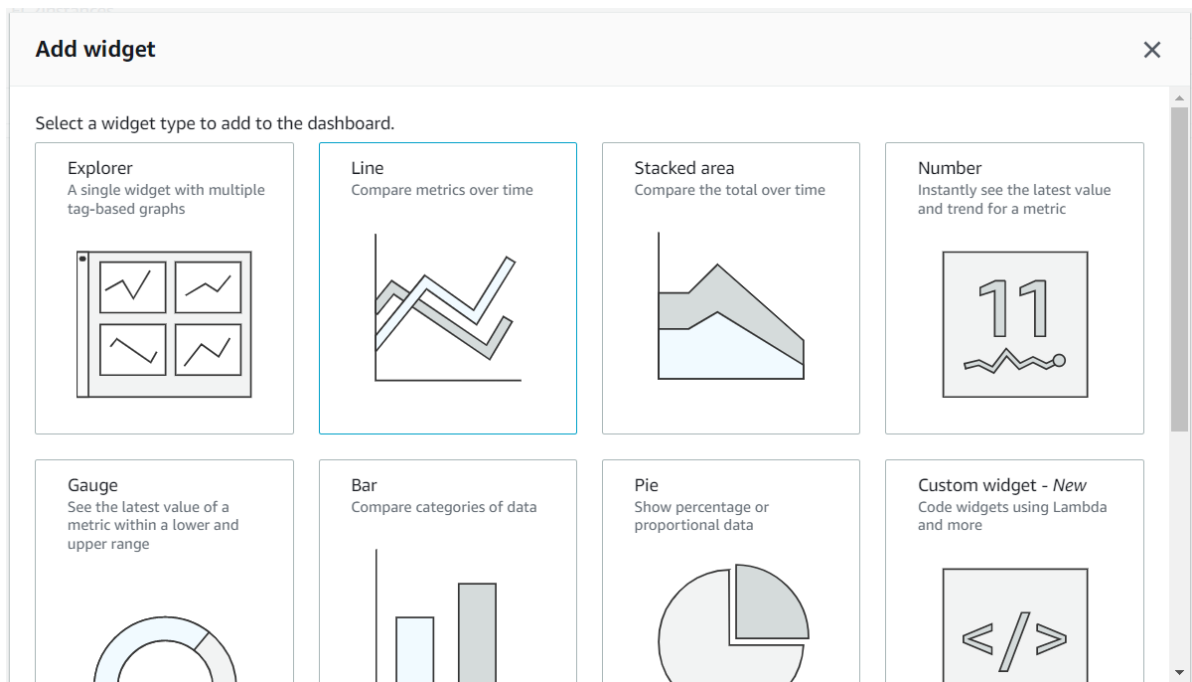
Dashboard name

EC2instances

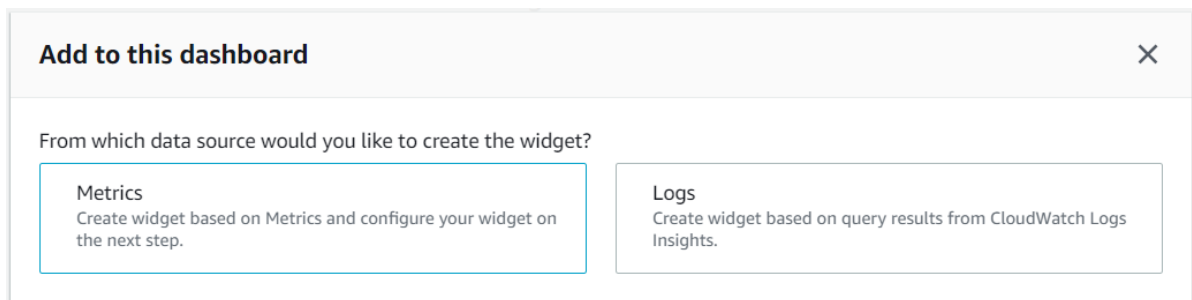
Valid characters in dashboard names include "0-9A-Za-z-\_".

Cancel Create dashboard

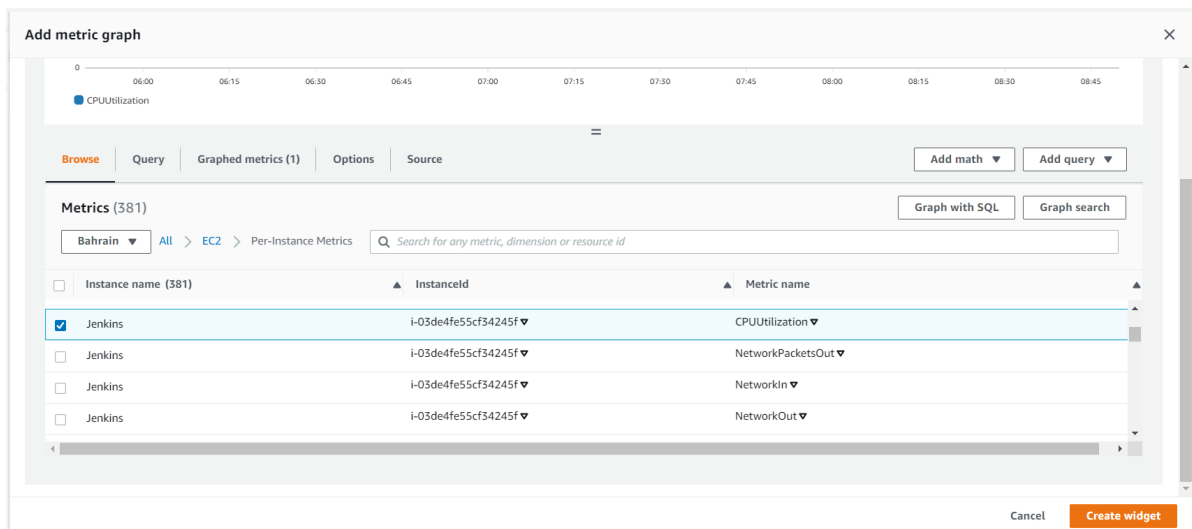
Now we'll add a new widget, let's select **Line** as a widget type.



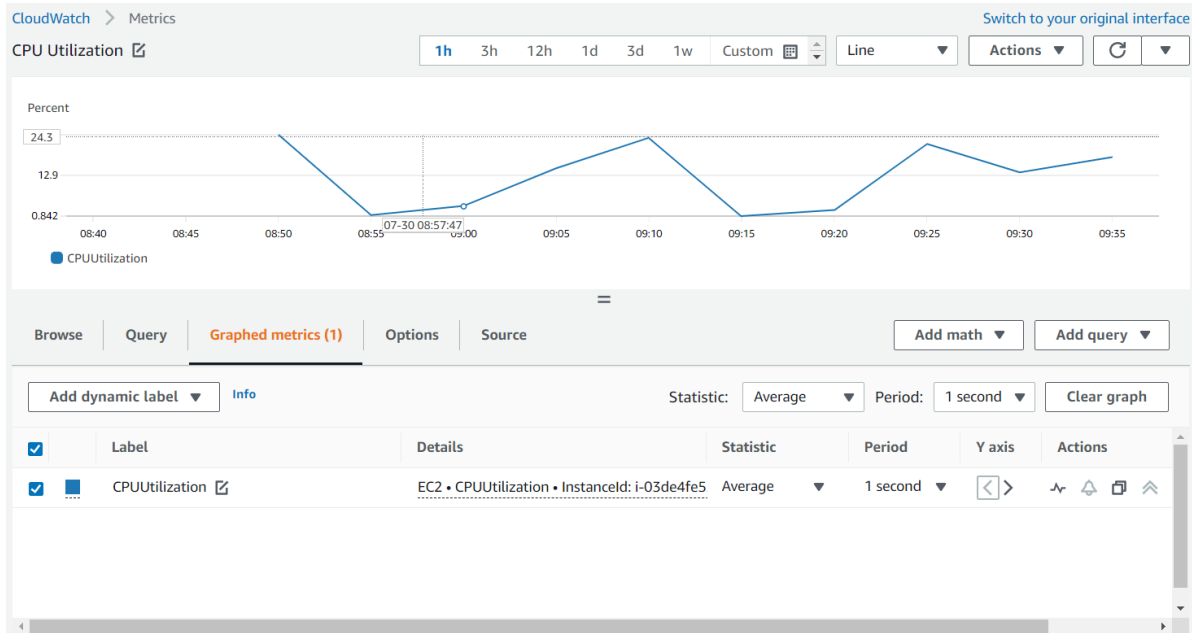
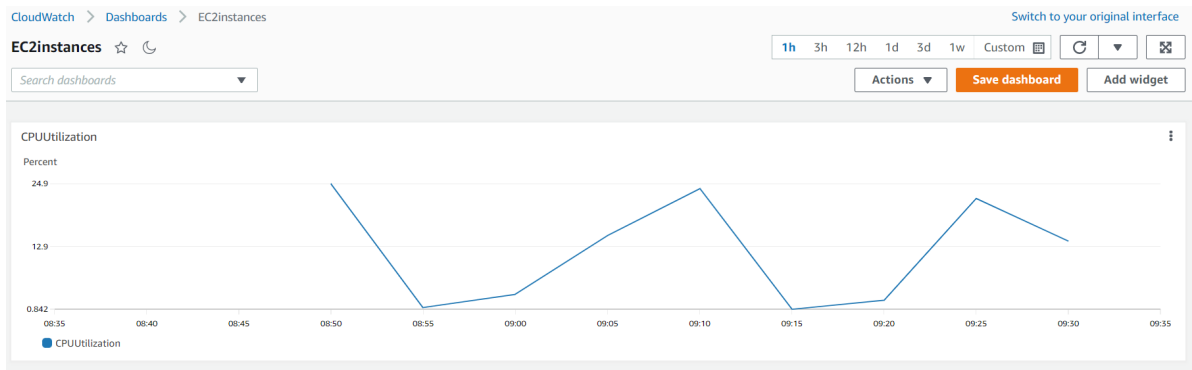
And then select data source as metrics.



Now let's select an existing EC2 Instance as a resource. **EC2 > Per-Instance Metrics > (Select available EC2 instances) > Metric name[CPUUtilization]**



That's it now we can monitor the CPU Utilization of our EC2 instance.



## Step2:

To add a widget to present multiple metrics in a single view, go to the resent created dashboard and **Add widget > EC2 > Per-Instance Metrics > (Select available EC2 instances) > Metric name[CPUUtilization, NetworkIn and NetworkOut]**

Add metric graph

0.842 06:45 07:00 07:15 07:30 07:45 08:00 08:15 08:30 08:45 09:00 09:15 09:30

■ CPUUtilization ■ NetworkIn ■ NetworkOut

Browse Query Graphed metrics (3) Options Source

Add math Add query

Metrics (384)

Bahrain All > EC2 > Per-Instance Metrics

Search for any metric, dimension or resource id

Instance name (384)	InstanceId	Metric name
<input checked="" type="checkbox"/> Jenkins	i-03de4fe55cf34245f	CPUUtilization
<input type="checkbox"/> Jenkins	i-03de4fe55cf34245f	NetworkPacketsOut
<input checked="" type="checkbox"/> Jenkins	i-03de4fe55cf34245f	NetworkIn
<input checked="" type="checkbox"/> Jenkins	i-03de4fe55cf34245f	NetworkOut

Cancel Create widget

That's it now we can monitor the CPU Utilization, Network In and Network Out of our EC2 instance all in a single view.

