

Module 3: CloudWatch Dashboard
Assignment

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Course Offered: Advanced Cloud Computing And Devops

CloudWatch Dashboard

Problem Statement:

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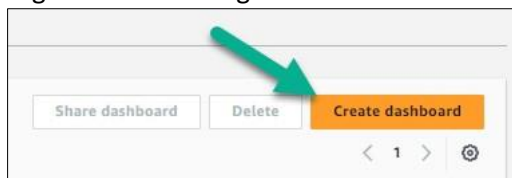
You work for XYZ Corporation. To maintain the security of the AWS account and the resources you have been asked to implement a solution that can help easily recognize and monitor the different users. Also, you will be monitoring the machines created by these users for any errors or misconfigurations.

Tasks to Be Performed:

1. Create a dashboard that lets you check the CPU utilization and networking for a particular EC2 instance.

Answer

Login to AWS Management console → CloudWatch → Click Dashboards → Create dashboard

A screenshot of the 'Create new dashboard' dialog box. It has a title bar with a close button (X). The main content area has a label 'Dashboard name' above a text input field containing 'CPUUtilizationMonitoring'. Below the input field, there is a note: 'Valid characters in dashboard names include "0-9A-Za-z-_"'. At the bottom right, there are two buttons: 'Cancel' and 'Create dashboard'.

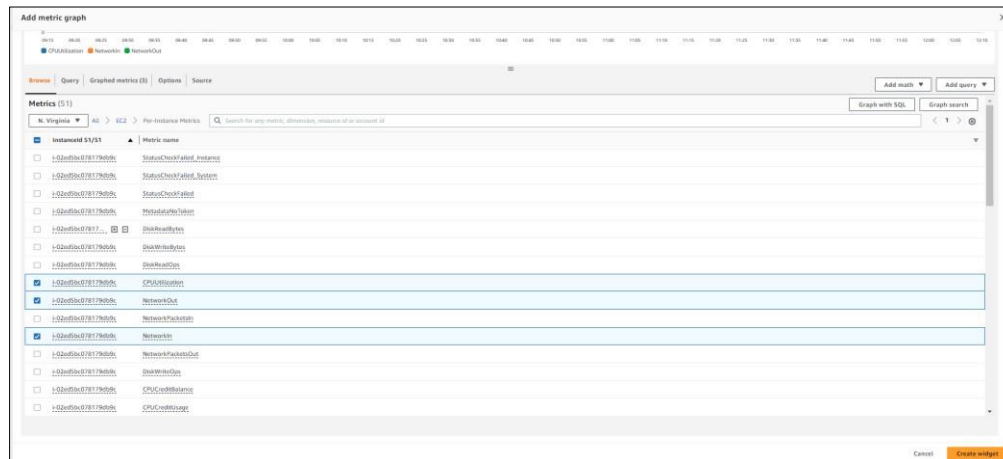
“Create dashboard”

A screenshot of the 'Add widget' dialog box. It has a title bar with a close button (X). The main content area displays a grid of widget options: 'Line' (Compare metrics over time), '75 % Number' (Instantly see the latest value for a metric), 'Gauge' (See the latest value of a metric within a range), 'Stacked area' (Compare the total over time), 'Bar' (Compare categories of data), 'Pie' (Show percentage or proportional data), 'Text' (Free text with markdown formatting), 'Custom widget' (Code widgets using Lambda and more), 'Alarm status' (Instantly see the status of your alarms in a grid view), 'Logs table' (Explore results from Logs Insights), and 'Explorer' (A single widget with multiple tab-based graphs). Below the grid, there is a section titled 'From which data source would you like to create the widget?' with two radio button options: 'Metrics' (selected) and 'Logs'. The 'Metrics' option has a description: 'Add widget based on Metrics and configure your widget on the next step.' The 'Logs' option has a description: 'Add widget based on query results from CloudWatch Logs Insights.' At the bottom right, there are two buttons: 'Cancel' and 'Next'.

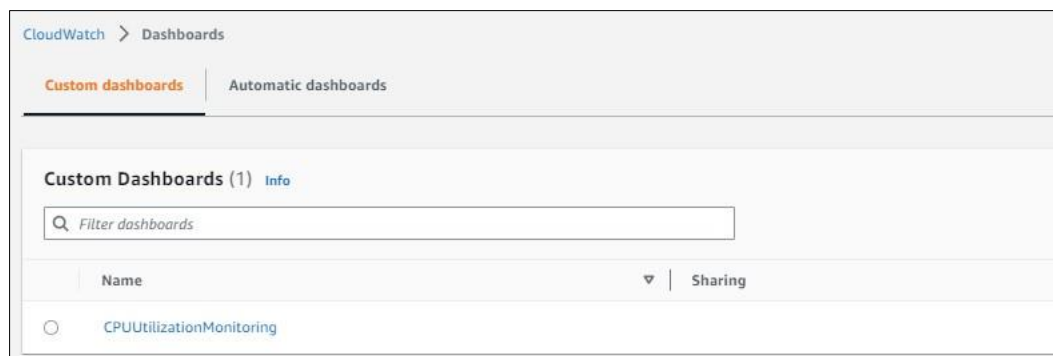
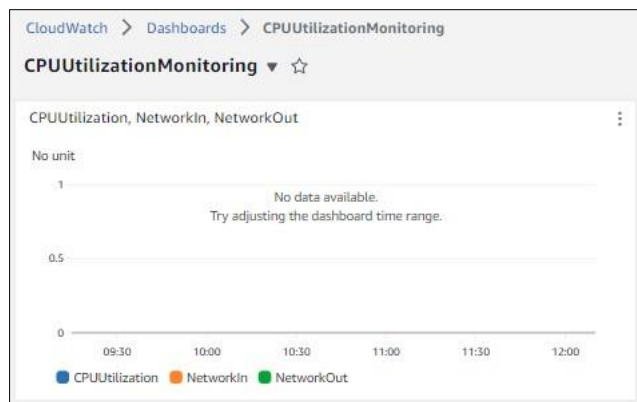
Select the widget you like

Click **Next**

EC2 → Per-Instance Metrics



Create Widget



The dashboard has been created successfully