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**Placement Empowerment Program**

***Cloud Computing and DevOps Centre***

**TASK-13** Set Up a Cloud-Based Monitoring Service: Enable basic cloud monitoring (e.g., CloudWatch on AWS). View metrics like CPU usage and disk I/O for your cloud VM.

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**INTRODUCTION**

Azure provides **Azure Monitor** to track performance and health metrics of your cloud resources, including Virtual Machines (VMs). Below are the steps to enable basic monitoring for your Azure VM:

**STEP 1:**

Go to Azure portal.

Sign in with your account.

**STEP 2:**

 In the search bar, type **"Monitor"** and select **Azure Monitor** from the results.

 This will open the **Azure Monitor** dashboard, where you can configure monitoring settings.

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**STEP 3:**

 In the Azure Monitor dashboard, go to **"Virtual Machines"** under the "Insights" section.

 Select the VM you want to monitor.

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 Click on **Enable** if monitoring is not already active

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**STEP 4:**

 In the **Azure Monitor** dashboard, navigate to **Metrics**.

 Click **+ Add Metric** and choose the following:

* **Metric Namespace**: Select "Virtual Machine Host".
* **Metric**: Choose "CPU Percentage" to monitor CPU usage.
* **Aggregation**: Select "Average" or "Maximum" based on your preference.

 Click **Apply** to view the metric graph.

 Repeat the same steps to monitor **Disk I/O** by selecting "Disk Read Bytes" or "Disk Write Bytes".

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**STEP 5:**

 In Azure Monitor, go to **Alerts** and click **Create Alert Rule**.

 Select your **VM** as the resource.

 Choose a **signal** (e.g., CPU usage > 80%).

 Configure an **action group** (e.g., send an email or SMS notification).

 Click **Create Alert Rule** to enable monitoring alerts.

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