Lab 11  
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Submitted to :   
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# **Lab Report Format**

**Title**

Azure Cloud Monitoring and Metrics Lab

**Introduction or Purpose**

Cloud Monitoring helps manage and track resources in a cloud environment by collecting metrics, events, and metadata. It automatically detects resources and offers visualization tools. In this lab, you’ll install the Cloud Monitoring agent, create an uptime check, set up an alert policy, and visualize CPU metrics for a Compute Engine instance.

**Steps covered in the lab**

• Create an uptime check for your resources (storage account and virtual machine) in Canada Central region.

• Define an alert policy for specific events.

• Create a chart to show CPU metrics for your instance on the Cloud Monitoring dashboard.

• Use log queries to interact with data.

• Create an Azure Data Factory in Canada Central region.

• Create an Azure Log Analytics workspace in the same region.

• Configure Diagnostic settings for Azure Data Factory.

• Create and review a Log Solution for Azure Data Factory.

• Set up Monitor Alerts for Azure Data Factory.

• Delete all resources after the demo.

**Results**

Create Resources in Canada Central

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Create an Alert

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Create a Chart for CPU Metrics in Cloud Monitoring

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Use Log Queries to Interact with Data

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Create azure data factory in Canada central region

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Create Azure Log Analytics workspace in same region as other resources

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Configure Diagnostic settings for Azure Data Factory

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Create and review a Log Solution for the Azure Data Factory

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Setup Monitor Alerts for Azure Data Factory

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After demo delete all the resources created in the lab

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