Lab 1

CST8912_011

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Submitted to:

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Lab Report Format

Title

Introduction to Creating a Virtual Machine

Introduction or Purpose

This document intends to show the primary steps in creating a virtual machine using Azure. Includes the basic configuration, creating logs, and controlling the VM.

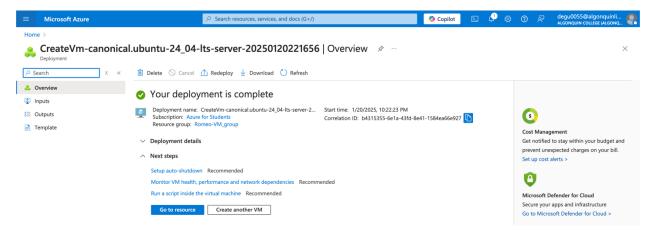
Steps covered in the lab

- On the Azure homepage, click the Create resource
- Click Create under the virtual machine.
- Now, under the basics tab, fill out the form
 - Select subscription: Azure for students
 - Resource group: CST8912
 - Virtual machine name: CST8912Region: (Canada) Canada Central
 - Image: Ubuntu Server 24
- Disk Tab
 - OS Disk Type: SSD
- Networking Tab
 - Virtual Network: Create New, Name CST8912
- Not mentioned tabs will remain on the default configuration
- Control the VM by clicking the start, restart, and stop
- To create log analytics workspace, Go to the homepage
- Click the Create resource
- Search Log Analytics Workspace, then create

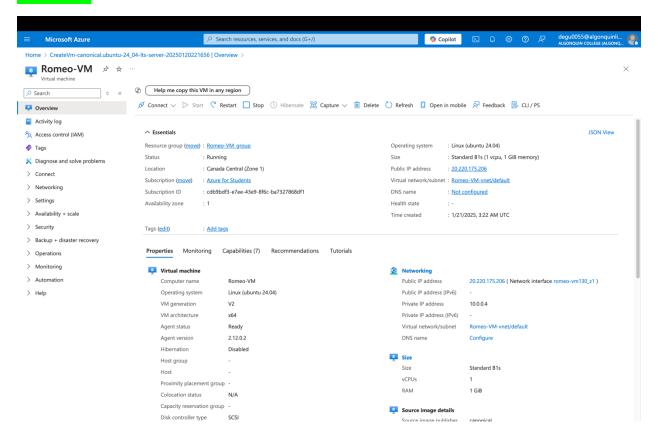
- Fill up the basics the same as the first virtual machine
- Click Create
- Connect analytics to the virtual machine by:
 - Going to monitor
 - Diagnostic setting
 - Click the VM
 - Add diagnostic settings
 - Check All metrics
- Create another VM, Data Collection Rules
 - Fill up the form the same as above
 - Collect and Deliver Tab
 - Add Data source
 - Select Linux Syslog as the Data source type
- Check insights
 - Go to the created VM for the log analytics workspace
 - Type insights
 - Switch to the health and agent tab
- Once done, go to the home page
- Click All resources
- Select all, then delete all

Results

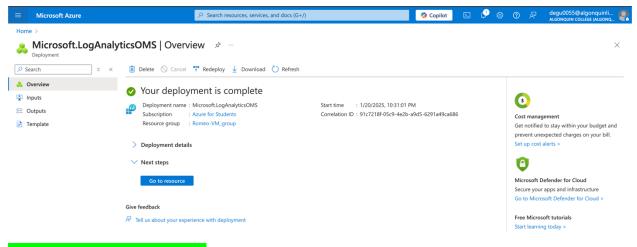
Created VM



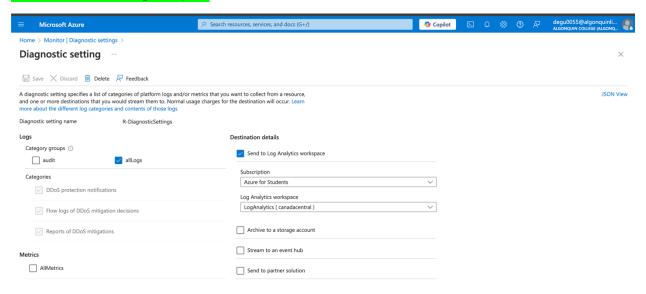
Control VM



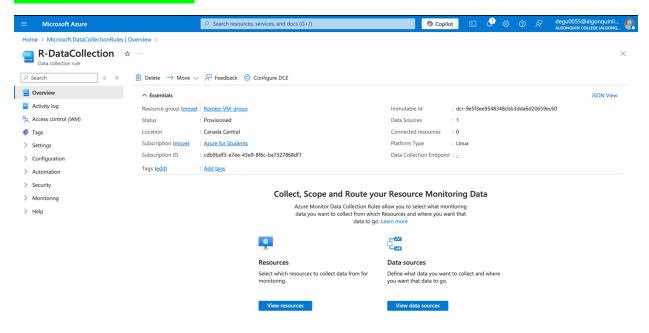
Created Log Analytics



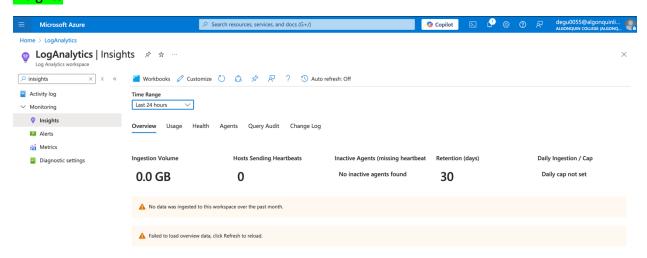
VM connected to Log analytics



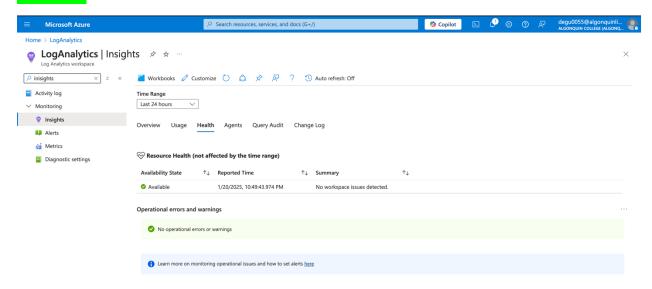
Created Data collection rule



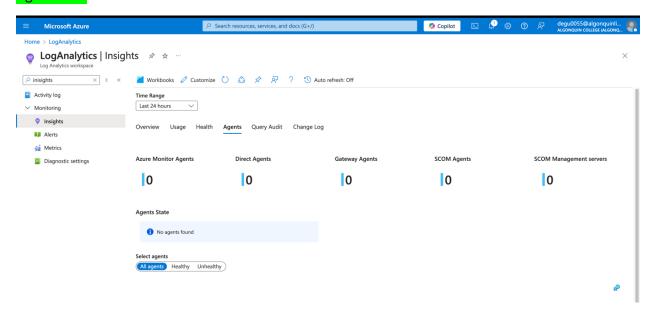
Insights



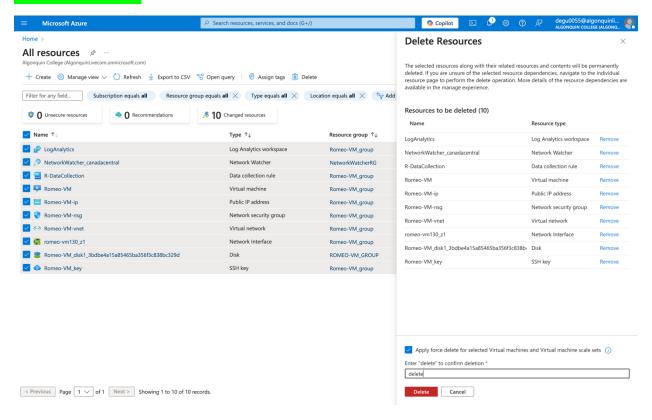
Health Tab



Agents Tab



Delete all resources



References

Azure Monitor Logging using a Log Analytics Workspace