Lab 11 CST8912_011

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Submitted to: Prof. Tanishq Bansal

Title

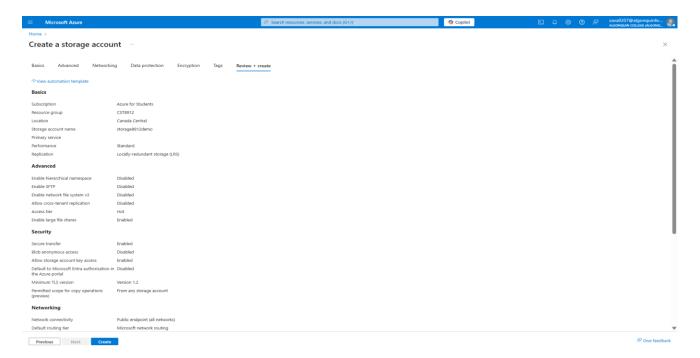
Cloud Monitoring and Alerting in Azure

Introduction

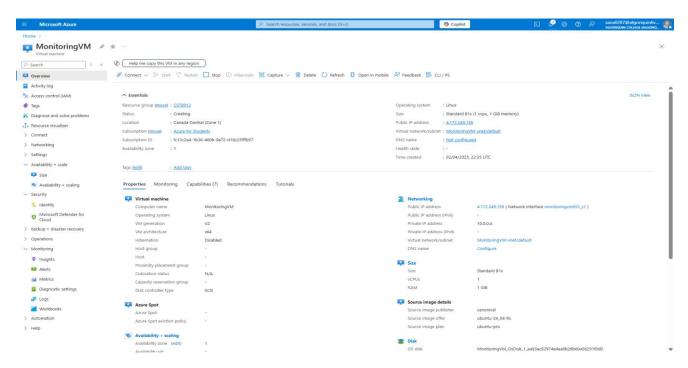
• The objective of this laboratory is to establish cloud monitoring within Azure by configuring and supervising Virtual Machines and Azure Data Factory resources. Within the Azure Monitor you will master the creation of uptime checks and alert policy definition as well as metric visualization and log query implementation for resource performance tracking. The configuration of diagnostic settings along with Log Analytics workspace creation enables proper monitoring and prompt alerts management for Azure Data Factory operations. Your handson experience will offer improved capability to handle cloud infrastructure with higher efficiency.

Steps

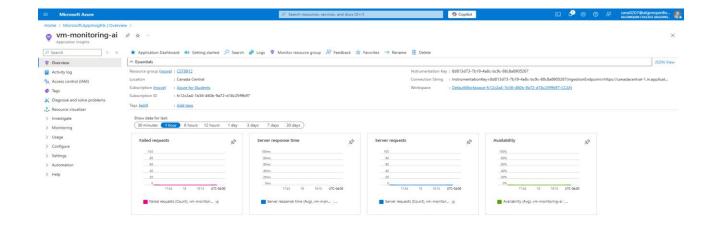
You will start by making a storage account and virtual machine within the Canada Central region before establishing Azure Monitor uptime checks for these resources. You need to establish an alert policy for uptime notifications before creating a dashboard for virtual machine CPU performance monitoring data. After learning to work with log data through queries you will manage Azure Data Factory setup and configure it properly before establishing an Azure Log Analytics workspace to access detailed analytics. Throughout this task you will set up monitor alerts for Data Factory pipeline failures and configure diagnostic settings for the factory and create and review the log solution. The final step of the lab includes removing every resource that was generated for proper maintenance.



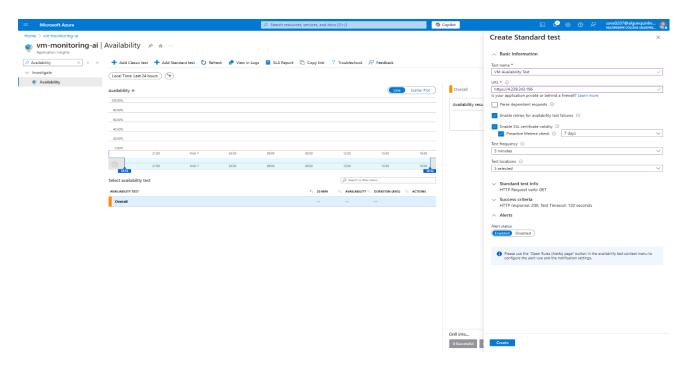
1. Creating Storage account



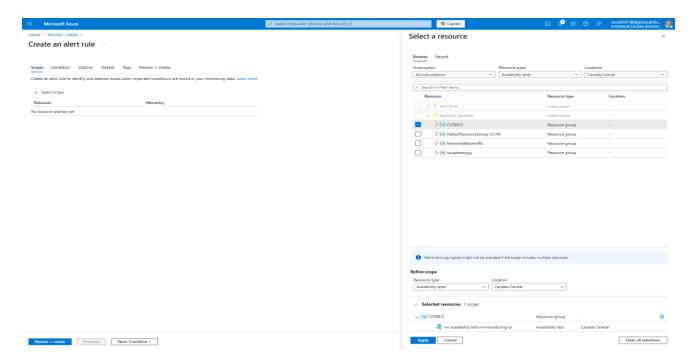
2. Overview of Virtual machine



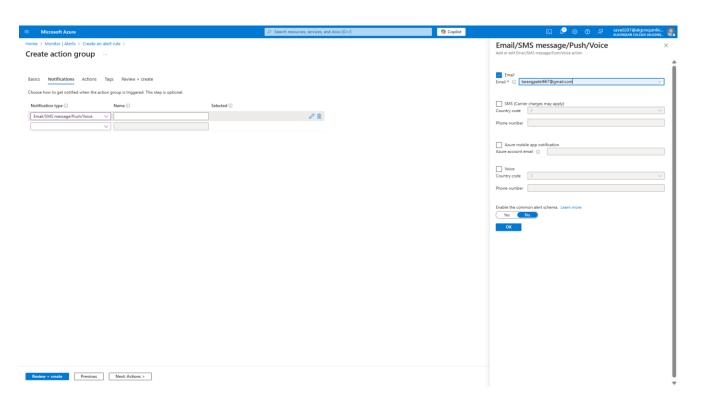
3. overview of application insight



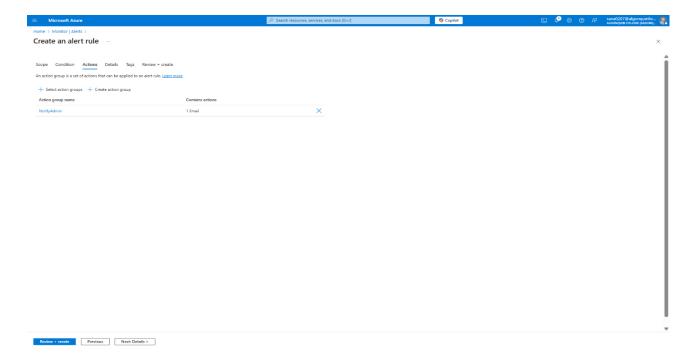
4. Create standard test



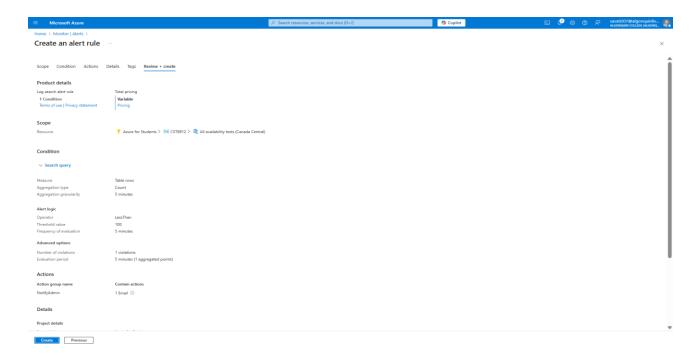
5. Add scope



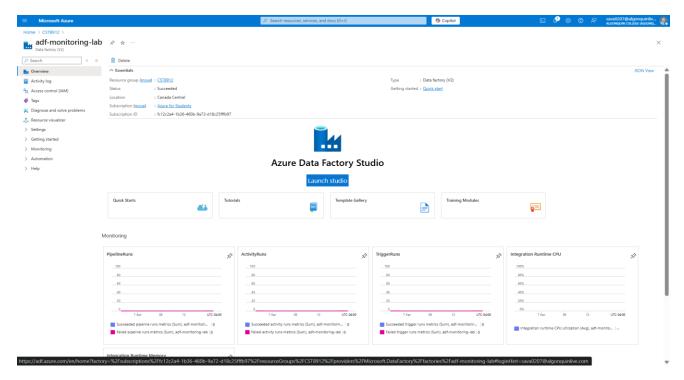
6. notification in action group



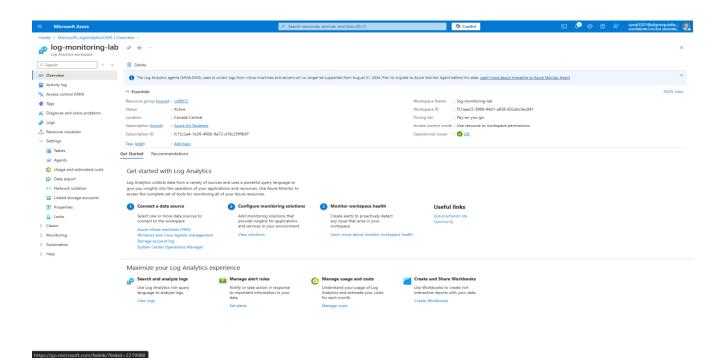
7. Created Action group



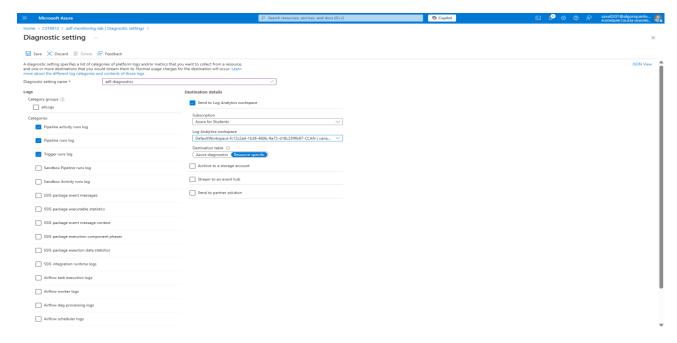
8. Create alert rule



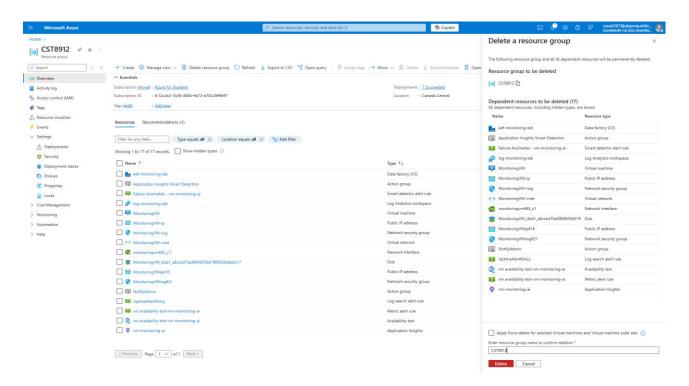
9. Overview of Data factory



10. Overview of Log Analytics workspace



11. Configure Diagnostic Settings



12. Delete all the resources with resource group

References

- Video/links for reference for azure:
- https://www.youtube.com/watch?v=MbyS0a2NCnk
- https://www.youtube.com/watch?v=1iZxhtxSDu0
- https://www.youtube.com/watch?v=8gwdB sCwEw
- Video/links for reference for AWS:
- https://www.youtube.com/watch?v=9qKryBb7t6s
- https://www.youtube.com/watch?v=UxWU9mrSbmA