**Lab** 10

CST8912\_011

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

#### Title

Create Automated Workflows with Azure Logic Apps

#### **Introduction or Purpose**

Azure Logic Apps is a PaaS from Microsoft that lets you create automated workflows with little to no code. Using a visual designer and prebuilt operations, you can easily integrate and manage apps, data, services, and systems.

#### Steps covered in the lab

## Task 1: Alert Users Based on SQL Database Data

- 1. Create Logic App and SQL database in Canada Central region.
- 2. Create Alerts Table in the SQL database.
- 3. Insert Records into the Alerts table (use SQL queries).
- 4. **Verify Records** by selecting rows from the table.
- 5. **Set up Logic App**: Choose a recurrence trigger (every 3 minutes).
- 6. Add SQL Action: Use "Get rows" action with server credentials.
- 7. Add 'For-Each' Loop: Select the "Value" parameter from dynamic content.
- 8. Add Send Mail Action: Configure the mail using dynamic content.
- 9. Save the Logic App and wait for an email to be sent.

### Task 2: Alert When File is Not Uploaded in Blob Storage

- 1. Create Storage Account in Canada Central region.
- 2. Create a Container with a folder format "yyyy-mm-dd."
- 3. Create a Trigger to check every day at 6pm.
- 4. **Use List Blob Action**: Check if the file exists using a date-based path.
- 5. Send Email Notification if the file is missing.

#### Task 3: Monitor Workflows in Azure Monitor

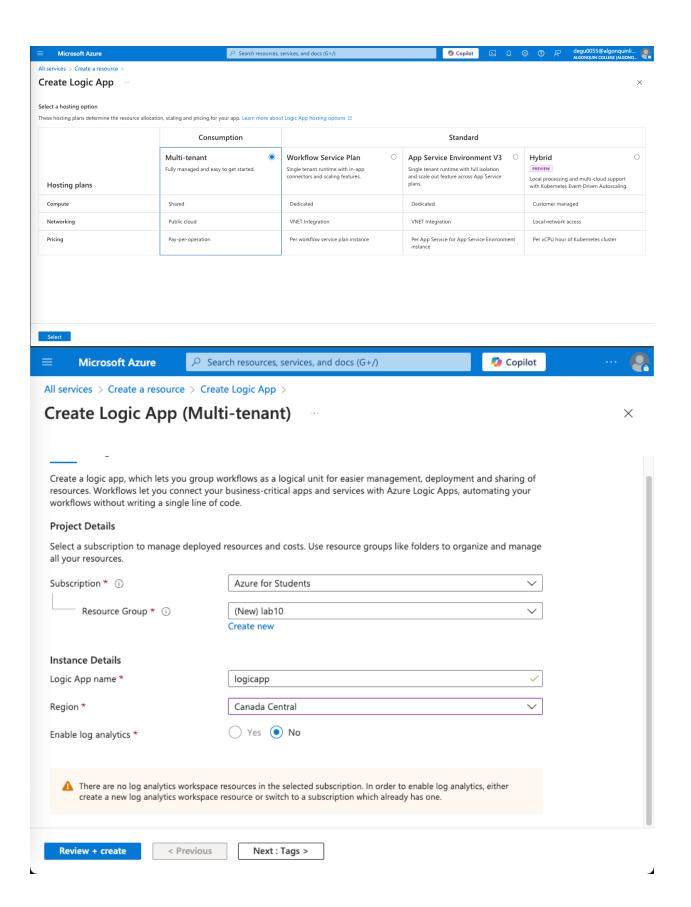
• Monitor workflows in the Azure Monitor for performance and status.

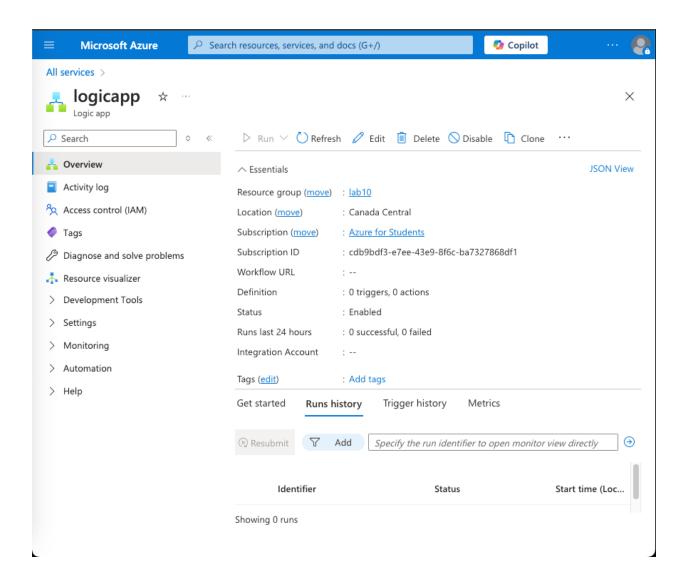
# Task 4: Clean Resources and Record Steps

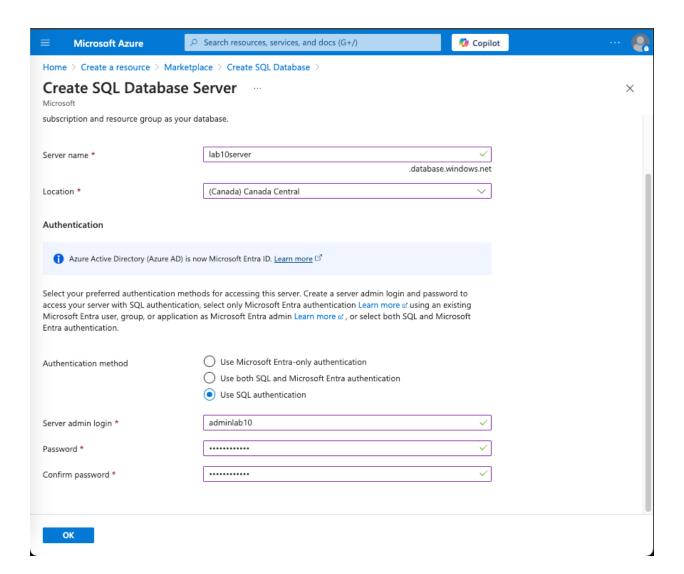
1. **Delete all resources** created in the lab.

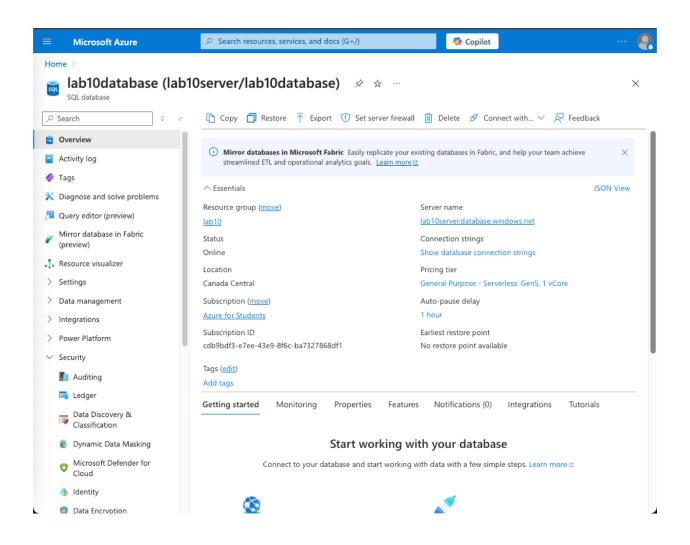
# Results

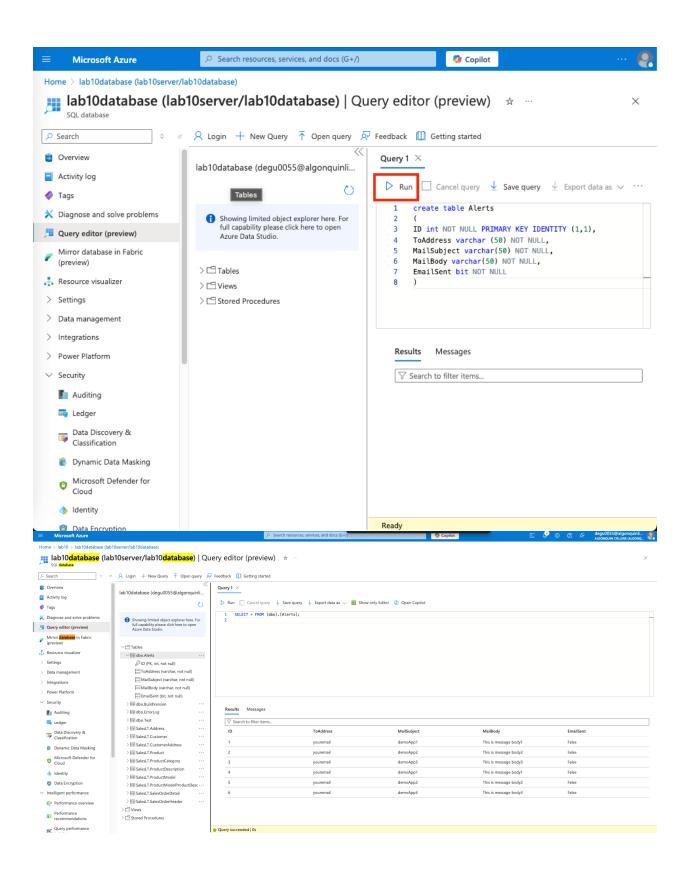
Task 1 - how you can alert users based on the data present/updated in your SQL Database

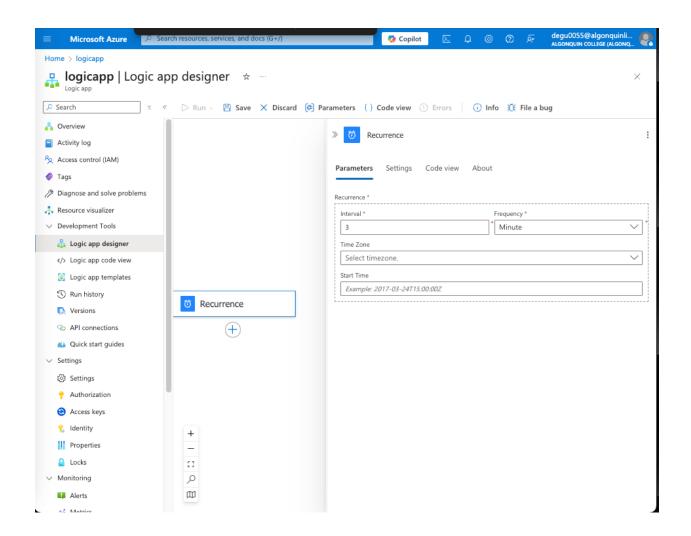


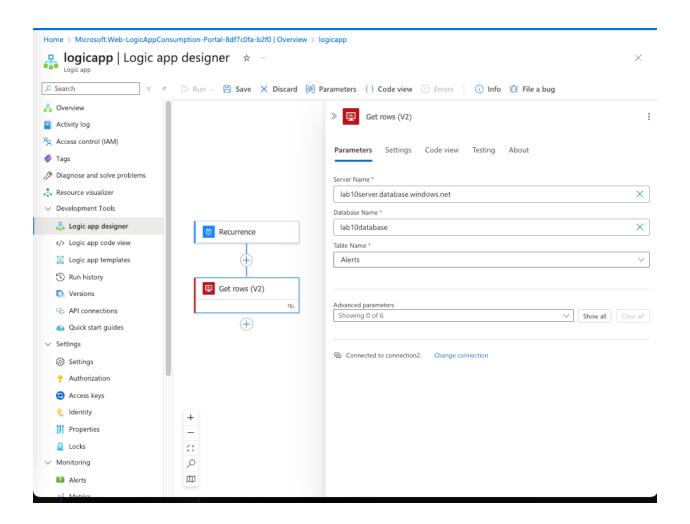


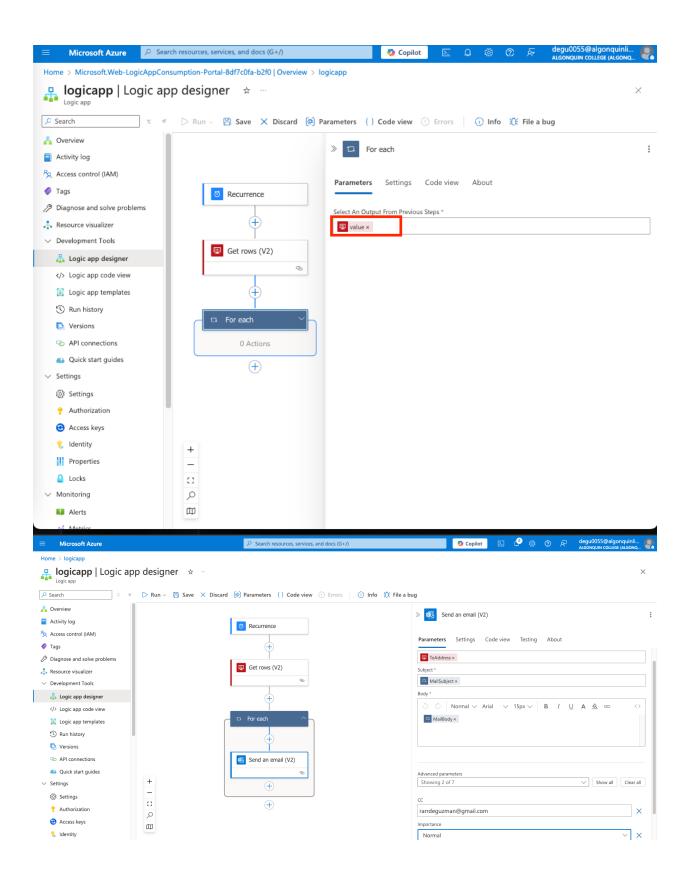


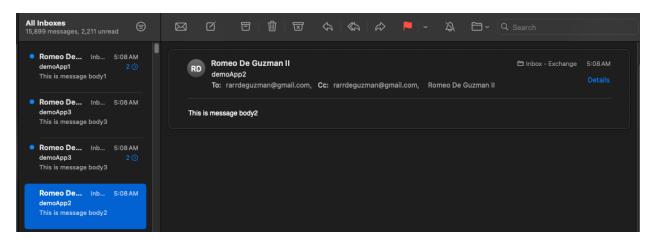




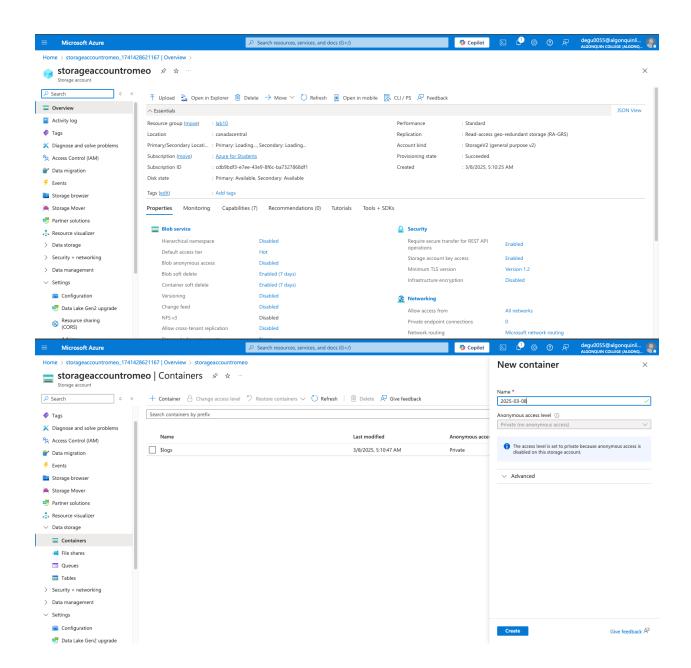


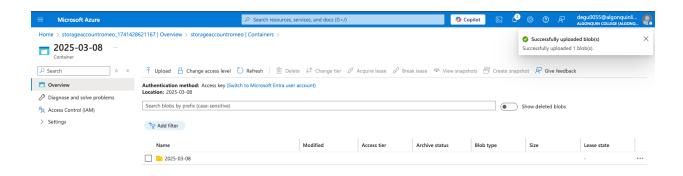


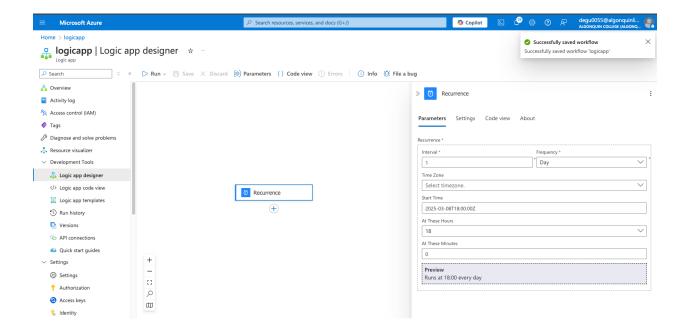


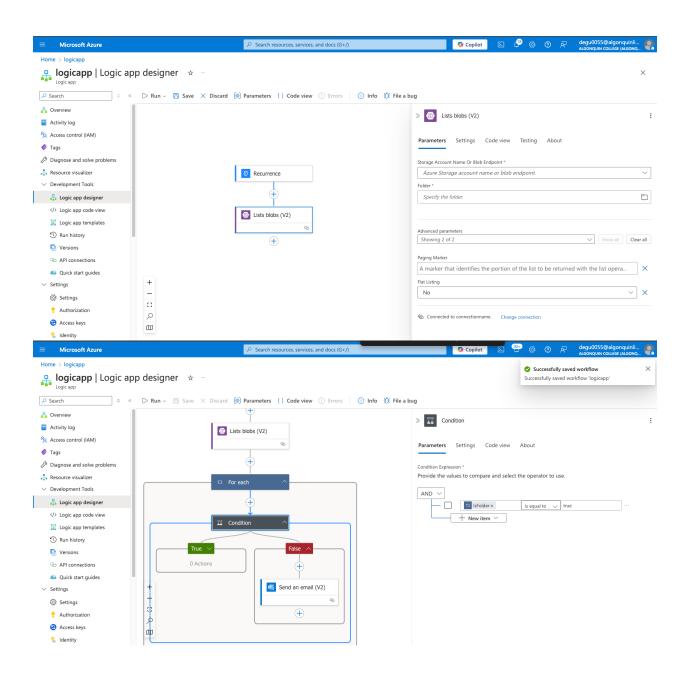


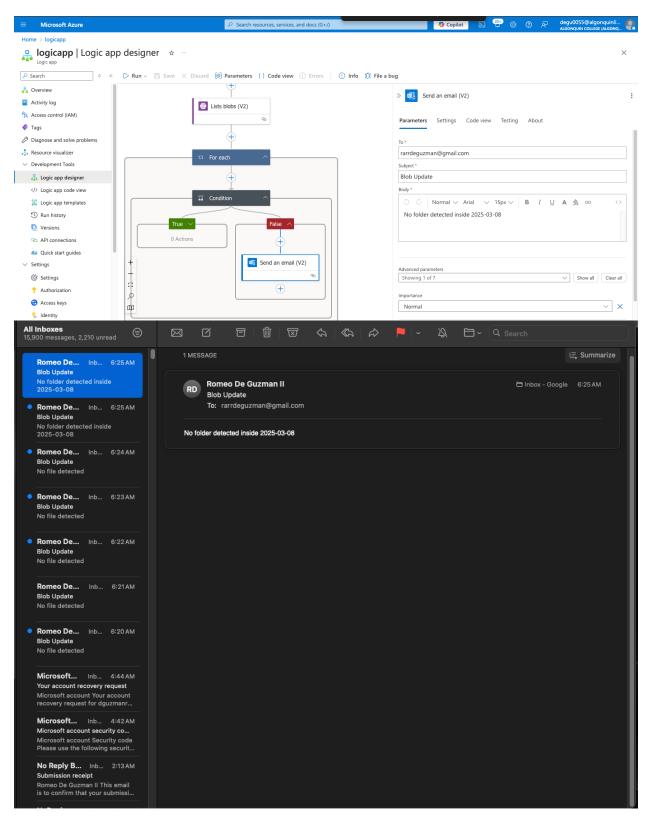
Task 2 - how to alert users when file gets uploaded/deleted in blob storage



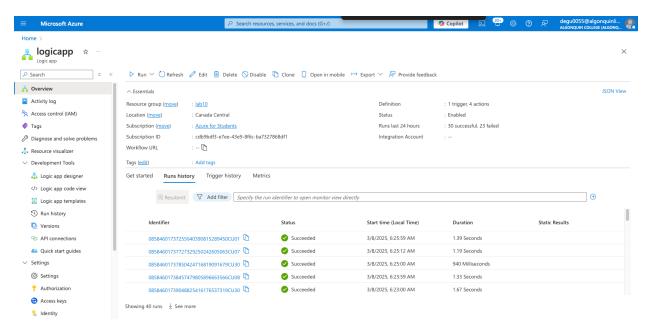








Task 3 - Monitoring workflows in azure monitor



Task 4 - Clean resources and record all the steps with screenshots in the lab report

