Azure Logic Apps Interview Q&A – Beginner Friendly

## 1. What is Azure Logic Apps?

Azure Logic Apps is a cloud-based tool that helps you automate tasks and workflows without writing code. For example, you can create a workflow that gets an email and saves attachments to OneDrive.

## 2. What are triggers and actions in Logic Apps?

Triggers start the logic app (e.g., when an email arrives). Actions are the steps that follow, like saving a file or sending a message.

## 3. What are connectors in Logic Apps?

Connectors are pre-built connections to services like Outlook, SQL Server, Twitter, SharePoint, etc. They let you use these services easily in your logic apps.

## 4. How would you implement an approval process in Logic Apps?

Use an action to send an approval request (e.g., via email or Teams). Based on the response (approve/reject), perform the next steps.

## 5. Difference between Logic Apps, Functions, and Power Automate?

- Logic Apps: For developers, used for integration.  
- Azure Functions: Run small code snippets.  
- Power Automate: For business users to automate Office tasks.

## 6. How do you connect Logic Apps to on-premise systems?

Use the 'On-premises Data Gateway' which acts as a bridge between Logic Apps and your local systems.

## 7. How to process a CSV from email and insert into SQL Server?

Trigger on new email → Get attachment → Parse CSV → For each row, insert into SQL Server using a connector.

## 8. Can you call REST APIs from Logic Apps?

Yes, use the 'HTTP' action. You can pass headers, body, and authentication info.

## 9. How to secure Logic Apps when using external services?

Use Managed Identity or API keys. Store secrets in Azure Key Vault.

## 10. How do you handle errors in Logic Apps?

Use ‘Run After’ with 'hasFailed' condition, Scope blocks to group actions, and Retry Policy to try again after failure.

## 11. How do you monitor Logic Apps?

Use the Run History tab in Logic Apps, Azure Monitor, and Application Insights to see if actions succeeded or failed.

## 12. How to secure Logic Apps that use HTTP trigger?

Use IP restrictions, shared access signatures (SAS), or Azure API Management to control access.

## 13. How to store secrets securely in Logic Apps?

Store sensitive info in Azure Key Vault and connect your Logic App to it.

## 14. What are looping and parallel execution in Logic Apps?

You can use ForEach to loop through a list of items. Logic Apps can run these steps in parallel to save time.

## 15. How would you scale Logic Apps for large workloads?

Design it to handle retries, use batching, split heavy tasks, and monitor performance regularly.

## 16. What is the use of Azure API Management with Logic Apps?

It helps you expose your Logic Apps as secure and managed APIs to external or internal users.

## 17. How do you handle CI/CD for Logic Apps?

Export Logic App as ARM template and use DevOps tools like Azure DevOps or GitHub Actions to deploy.

## 18. How do you integrate enterprise systems like SAP or Oracle?

Use built-in connectors, custom connectors, or REST/SOAP endpoints with proper authentication.

## 19. What’s the retry policy in Logic Apps?

Retry policy defines how many times Logic App should retry a failed action before giving up.

## 20. Can Logic Apps run on a schedule?

Yes, use the 'Recurrence' trigger to run your logic app at regular intervals (e.g., every hour/day).

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