

Serverless Orchestration

A Serverless Hackathon focusing on LogicApps, FunctionApps, Cognitive Services, Queues and Storage

Milliman TechForum 2021

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MICROSOFT TEAM FOR MILLIMAN

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Topics

Optional subtitle (delete this box if not using)

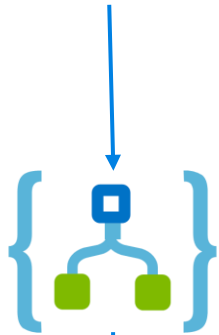
- LogicApps
- FunctionApps
- Cognitive Services (and other API calls)
- Queues
- Blob Storage

Serverless Orchestration: High Level Flow

4 Challenges! (Don't need to finish all 4. Challenges can be performed in ANY ORDER, (EXCEPT Challenge 1 must be done first))...



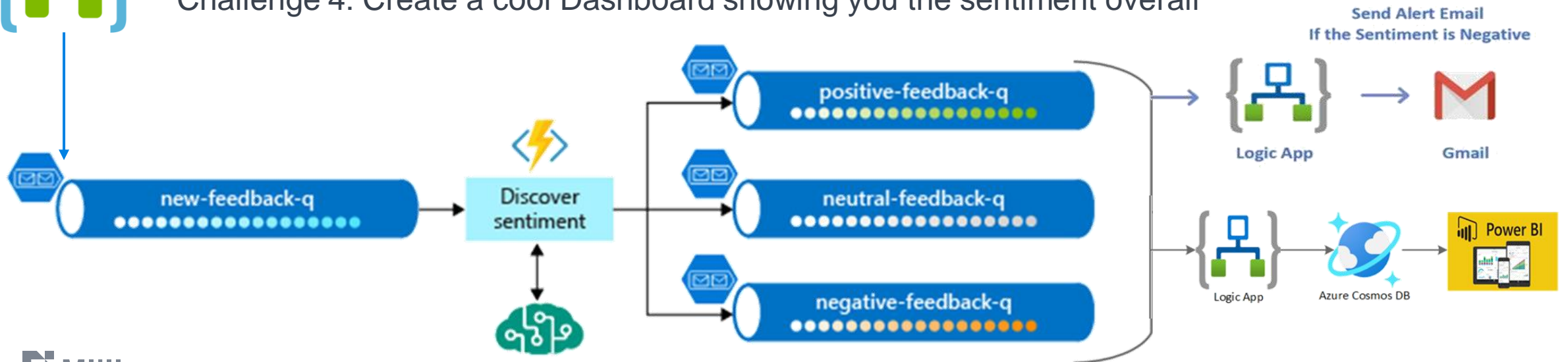
Challenge 1: Create a FunctionApp that takes incoming messages and tags them by sentiment



Challenge 2: Use a LogicApp to send all NEGATIVE messages to someone's inbox to deal with it...

Challenge 3: Use a LogicApp to Batch Process all incoming messages into an Input Queue

Challenge 4: Create a cool Dashboard showing you the sentiment overall

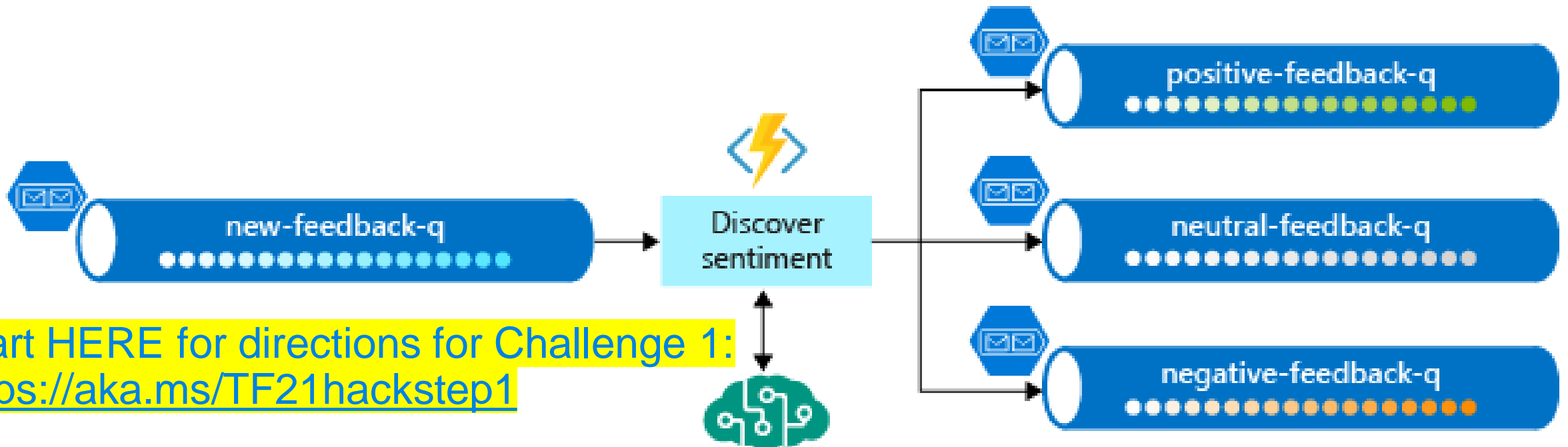


CHALLENGE 1: FunctionApps & Queues

This challenge must be done first, but from there you can pick any of the other 3 challenges in any order

MAJOR GOALS FOR CHALLENGE 1:

- Creating a FunctionApp that pulls messages from a Queue
- calls a Cognitive Svcs API to do sentiment analysis to tag each message
- FunctionApp Sorts them into outbound queues (Positive, Neutral, or Negative) Sentiments



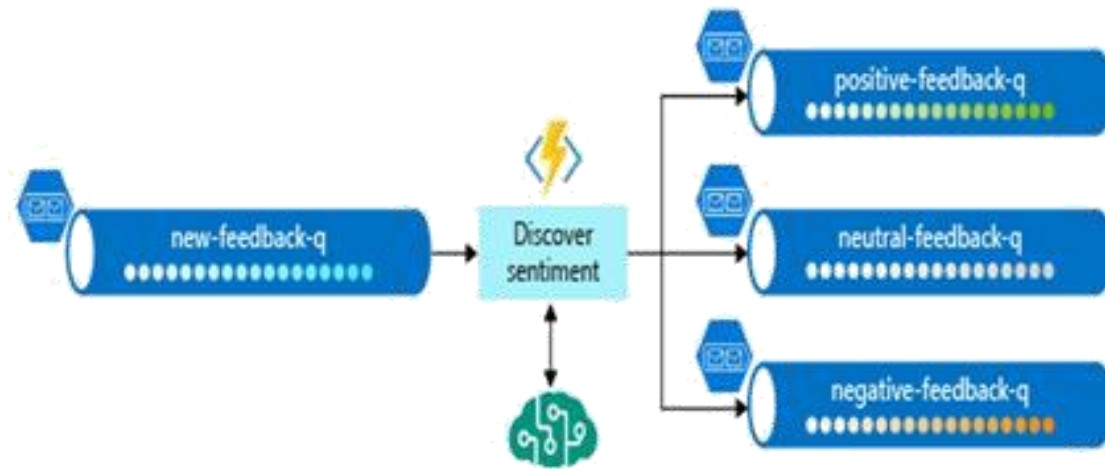
Start HERE for directions for Challenge 1:
<https://aka.ms/TF21hackstep1>

CHALLENGE 2: LogicApp to send Negative Feedback to Inbox


MAJOR GOALS FOR CHALLENGE 2:

- Creating a LogicApp that takes each message in the Negative Queue
- Pulls out the relevant information
- Formats and puts it into an email for someone to respond to the Negative Message

Start HERE for directions for Challenge 2: <https://aka.ms/tf21serverlessCh2>




Email Messages

 Compose


  


 Primary

 Social **26 new**

 Promotions **50 new**

 **Inbox** 540

 Starred

 Snoozed

☐  me

{"messageWithScore":{"originalMessage\":"its bad\","score\:0.09089690446853638}}"

☐  me

{"messageWithScore":{"originalMessage\":"its bad\","score\:0.09089690446853638}}"

CHALLENGE 3: LogicApp to feed the new-feedback-q

MAJOR GOALS FOR CHALLENGE 3:

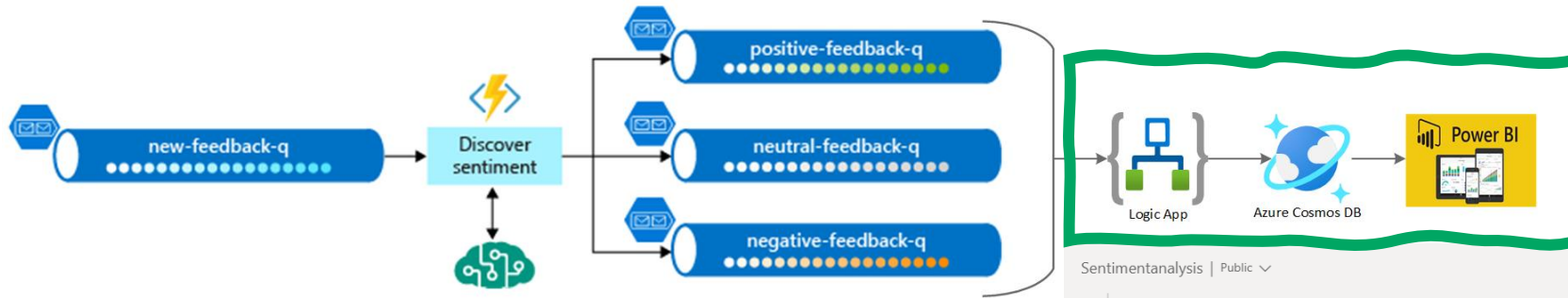
- Creating a LogicApp that feeds incoming messages one at a time
- Batch Feeds the relevant information to the “new-feedback-q”

Start [HERE](#) for directions for Challenge 3: PRESENTED LIVE!

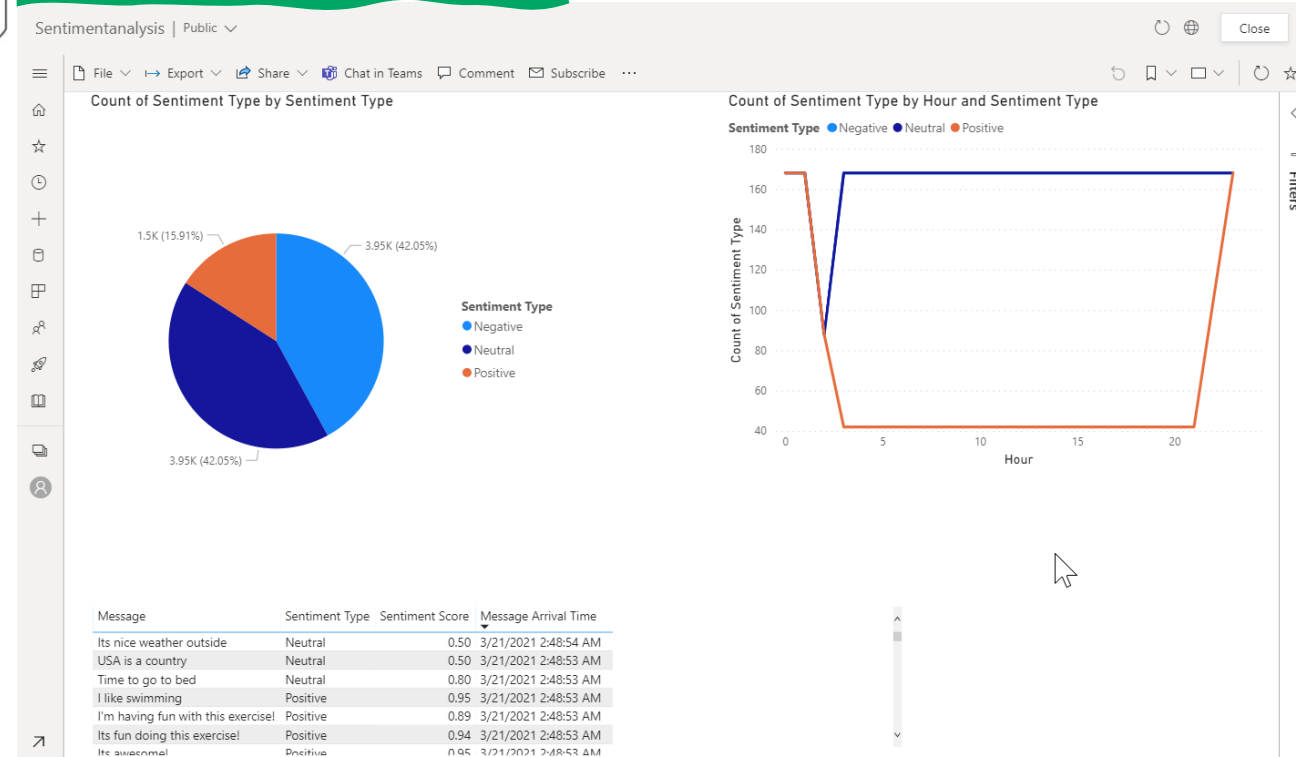


CHALLENGE 4: LogicApp to Create a PowerBI Dashboard

- Creating a LogicApp that pulls all the tagged data from each queue
- Stores the semi-structured data into a CosmosDB instance
- Generates a cool PowerBI dashboard to show the results!



Start HERE for directions for Challenge 4:
<https://aka.ms/tf21serverlessCh4>



Start here: Challenge 1

[Discover sentiment in text with the Text Analytics API - Learn | Microsoft Docs](#)

<https://aka.ms/TF21hackstep1>

LINKS TO ALL DIRECTIONS

- CHALLENGE 1: <https://aka.ms/TF21hackstep1>

- CHALLENGE 2: <https://aka.ms/tf21serverlessCh2>

MSFT FTE LINK TO DIRECTIONS: https://microsoft-my.sharepoint.com/:w:/p/vramasubbu/ER6rPN5M9DJlruMhOdLrFgwBryB1HLpjPddT_fXOIjfnHg

- CHALLENGE 3: [Live Overview!](#)

- CHALLENGE 4: <https://aka.ms/tf21serverlessCh4>

MSFT FTE LINK TO DIRECTIONS: <https://microsoft-my.sharepoint.com/:w:/p/kapildhanger/EQDROn-mt7hOsTLStlLwUpIBTTRsUw8fdBuLKY8OkGa-Dw>



Thank you

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