

Handed out: 12/07/2017
12/14/2017

Due by 11:59 PM, midnight (CST) on Thursday,

Do one of two problems.

Note: You can do the second problem for extra credit if you need extra points on a previous homework. Please leave a note in the comment grade if you are doing the second problem for extra credit to be applied to a previous homework. Note which assignment to apply the extra credit to.

Problem 01. Please establish a storage account, a container within that account, an event hub and build a client that will send 10 messages to your event hub. You can you're your messages one by one or in a single batch. Capture your messages in the container. Demonstrate that you can download your messages (one is enough) and can open them in a text editor. Build another client that would read all ten messages and display their content. You can implement your clients in Java, C# or Python.

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-dotnet-standard-getstarted-send>

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-java-get-started-receive-eph>

Create a storage account (sakirk) in my resource group (rg-kirkdahl)

Storage accounts

McKesson Corporation

Add

Columns

Refresh

Assign Tags

Delete

Subscriptions: 2 of 4 selected

saki

2 subscriptions


All resource groups

All types

All locations

No grouping

1 items

| <input type="checkbox"/> | NAME | TYPE | KIND | RESOURCE GROUP | LOCATION | SUBSCRIPTION |
|--------------------------|--|-----------------|-----------|----------------|----------|-------------------------------|
| <input type="checkbox"/> |  sakirk | Storage account | StorageV2 | rg-kirkdahl | West US | McKesson Deep Dive Trainin... |

Created a container in my storage account

Container

Refresh

Storage account

[sakirk](#)

Status

Primary: Available, Secondary: Available

Location

West US, East US

Subscription

[\(change\)](#)
McKesson Deep Dive Training (7)

Subscription ID

6f5d1e5e-5295-4b19-9069-76eaa53bdb9c

Primary blob service endpoint

https://sakirk.blob.core.windows.net/

Secondary blob service endpoint

https://sakirk-secondary.blob.core.windows.net/

Replication status

Live

Last synchronized

12/14/2017, 2:23:58 PM

Search containers by prefix

| NAME | LAST MODIFIED | PUBLIC ACCESS ... | LEASE STATE |
|---------------|------------------------|-------------------|---------------|
| kirkcontainer | 12/14/2017, 2:28:14 PM | Private | Available ... |

Create event hub namespace

Event Hubs

McKesson Corporation

Add

Columns

Refresh

Assign Tags

Subscriptions: 1 of 4 selected

kirk

McKesson Deep Dive Training (7)

All resource groups

All locations

No grouping

1 items

NAME

TYPE

RESOURCE GROUP

LOCATION

SUBSCRIPTION

kirknamespace

Event Hub

rg-kirkdahl

West US

McKesson Deep Dive Training (7)

Create Event Hub

kirkeventhub

Event Hub

Search (Ctrl+/)

Overview

Access control (IAM)

Diagnose and solve problems

SETTINGS

Shared access policies

Properties

Locks

Automation script

ENTITIES

Consumer groups

FEATURES

Capture

Consumer group

Delete

Resource group

[\(change\)](#)
rg-kirkdahl

Status

Active

Location

West US

Subscription

[\(change\)](#)
McKesson Deep Dive Training (7)

Subscription ID

6f5d1e5e-5295-4b19-9069-76eaa53bdb9c

Namespace

kirknamespace

Created

Thursday, December 14, 2017

Updated

Thursday, December 14, 2017

EVENT HUB CONTENTS

1 CONSUMER GROUP

EVENT HUB STATUS

ACTIVE

MESSAGE RETENTION

1 DAY

Show metrics data for the last:

1 hour

6 hours

12 hours

1 day

7 days

30 days

Requests

Messages

Throughput

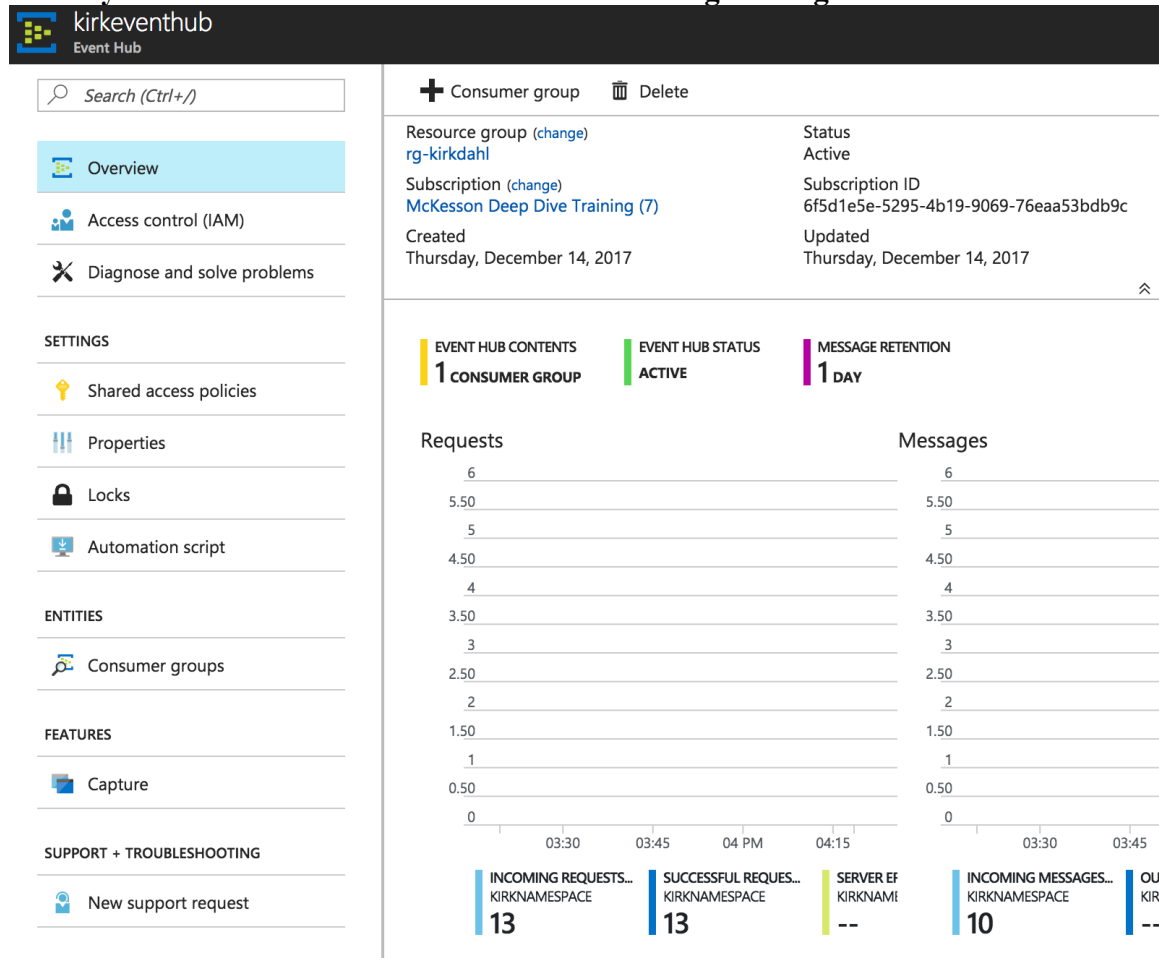
Script to send 10 messages

@NISHAVA, INC

2

```
Sending message: Message 0
Sending message: Message 1
Sending message: Message 2
Sending message: Message 3
Sending message: Message 4
Sending message: Message 5
Sending message: Message 6
Sending message: Message 7
Sending message: Message 8
Sending message: Message 9
10 messages sent.
Press ENTER to exit.
```

Below you can see that I had 10 successful Incoming Messages



Here is my storage blob container showing the captured message. The file structure is year/month/date

Your main submission should be a MS Word or PDF document containing descriptions of your action while configuring Azure services. **If your MS Word document is larger than 1 MB, save it as a MINIMIZED PDF.** Please be merciful and capture small JPGs. Describe the purpose of every action and the significance of the results. Start with the text of this homework assignment as the template. Please add any other files that you might have used or generated. Please write your solution as if you are writing a tutorial for your colleagues. Please make your text readable. Make sure that your fonts, especially in captured images are not unreadable. Please do not provide ZIP or RAR or any other archives. Canvas cannot open those archives and they turn into a nuisance for us.