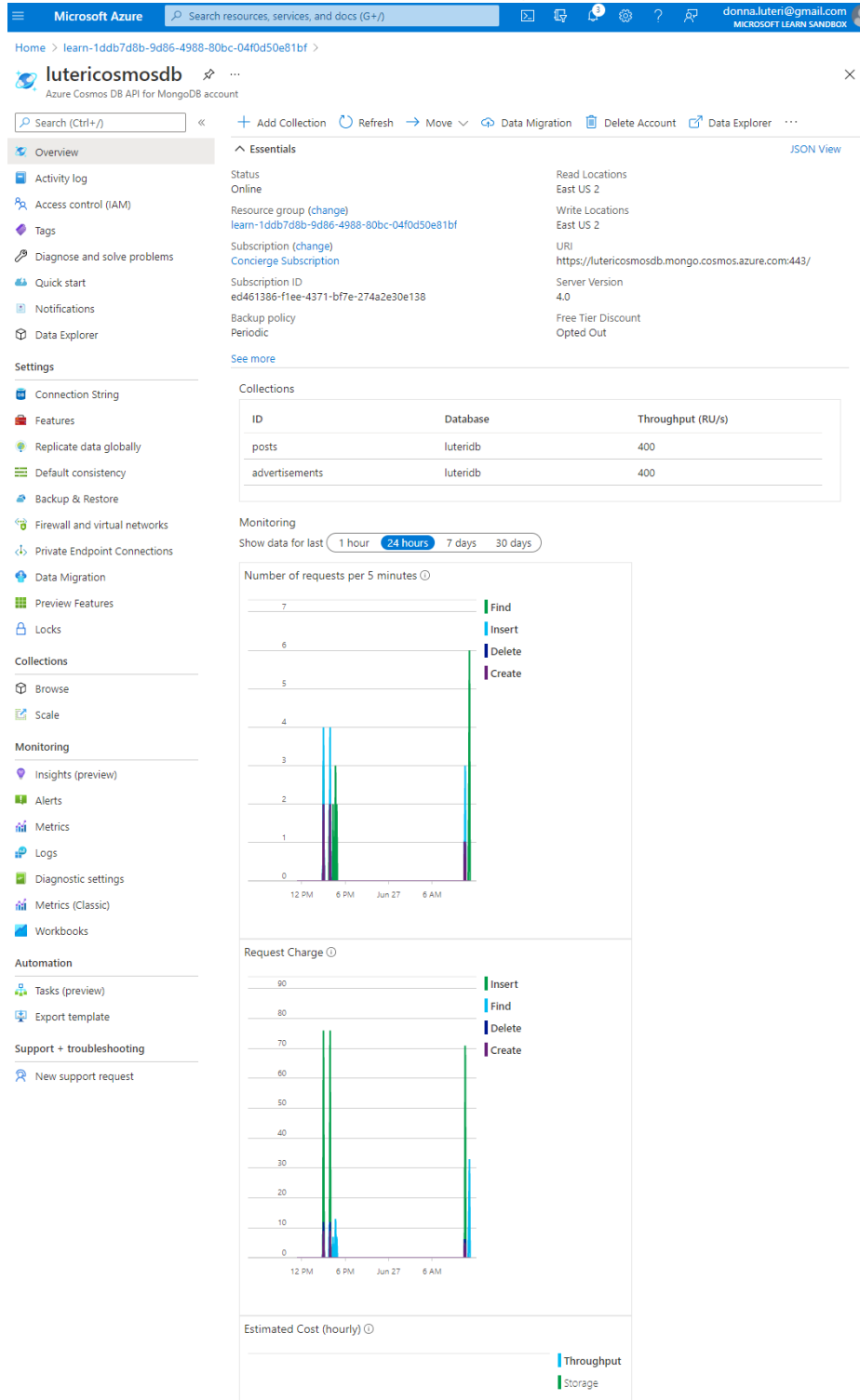


Neighorly App Deliverables – Luteri

1. A screenshot from the Azure portal showing the database & collections



2. A screenshot from the terminal giving confirmation that the two pieces of sample data for advertisements (5 documents) and posts (4 documents) were imported correctly, or include this data in the **live website**.

[+ Add](#) [↻ Refresh](#) | [🗑 Delete](#)

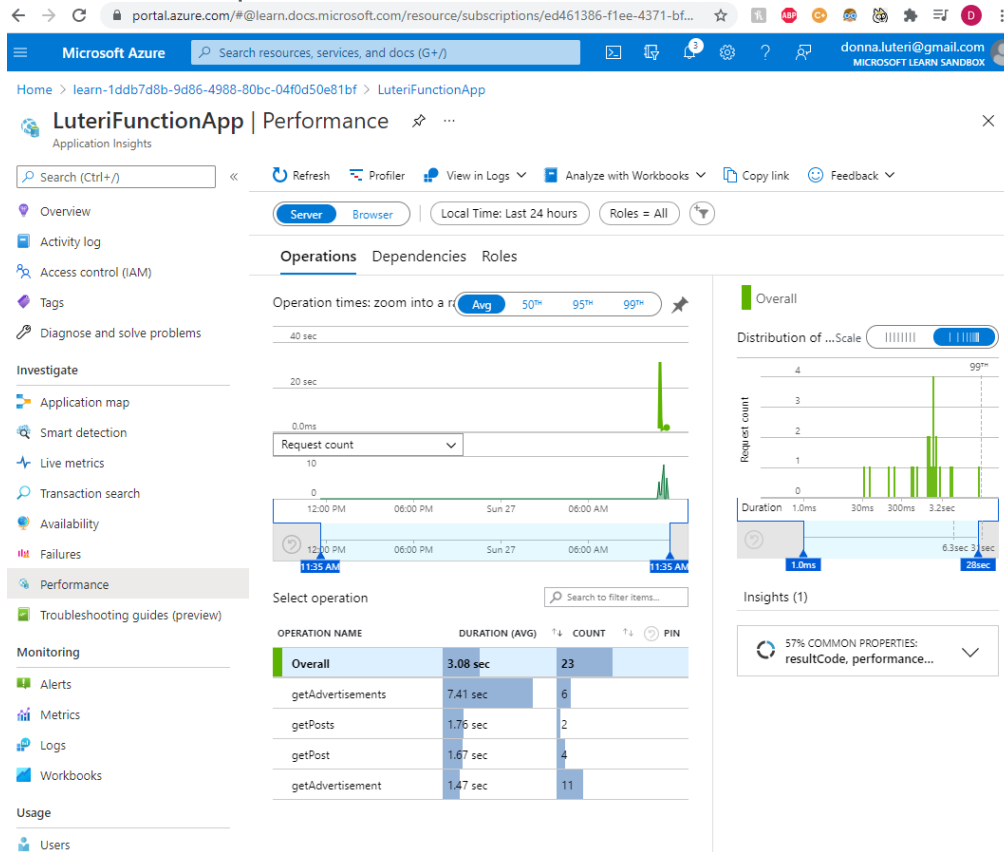
Filter by name...

<input type="checkbox"/> Name ↑↓	Trigger ↑↓	Status ↑↓	
<input type="checkbox"/> createAdvertisement	HTTP	Enabled	...
<input type="checkbox"/> deleteAdvertisement	HTTP	Enabled	...
<input type="checkbox"/> eventHubTrigger	EventGrid	Enabled	...
<input type="checkbox"/> getAdvertisement	HTTP	Enabled	...
<input type="checkbox"/> getAdvertisements	HTTP	Enabled	...
<input type="checkbox"/> getPost	HTTP	Enabled	...
<input type="checkbox"/> getPosts	HTTP	Enabled	...
<input type="checkbox"/> updateAdvertisement	HTTP	Enabled	...

https://luterifunctionapp.azurewebsites.net/api/getAdvertisements?

```
[{"_id": "5ec34b22b5f76eac5f2ec3e", "title": "[testaccount11] Honda Tacoma pick up - low milage.", "description": "Manual transmission. Great truck, clean title. Cash only.", "price": "$3,587.05", "city": "Poolsville"}, {"_id": "5ec34b22c800f5f824c21490", "title": "Lost cat reward if found.", "description": "My fat tabby disappeared last nite on 49th and Taylor.", "price": "0.00"}, {"_id": "5ec34b22f764357ce29a775e", "title": "Trailer", "description": "Ullamco nulla adipisicing esse occaecat ipsum deserunt. Est excepteur tempor eiusmod non. Eiusmod occaecat enim eiusmod nostrud mollit.\r\n\r\n", "price": "$1,793.56"}, {"_id": "5ec34b2265403b17d00ae864", "title": "Lawn mower", "description": "Sunt eiusmod occaecat deserunt magna Lorem cillum non consequat minim do.\r\n\r\n", "price": "$520.13"}, {"_id": "5ec34b228eac7b1667a21a9a", "title": "Dirt", "description": "Et ea officia occaecat minim adipisicing. Ut nostrud sunt mollit ex labore. Exercitation ut exercitation sint reprehenderit duis reprehenderit.\r\n\r\n", "price": "Free"}, {"_id": {"$oid": "60ea40ae512266a597f3d26", "title": "Donna's Ad", "city": "Chicago, IL, USA", "description": "I created a new ad!", "email": "donna.luter@gmail.com", "imgUrl": "https://cdn.techhq.com/wp-content/uploads/2020/10/shutterstock_1724615506.png", "price": "Free"}, {"_id": {"$oid": "60ea4125e512266a597f3d2b", "title": "New Ad", "city": "Chicago, IL, USA", "description": "I created a new ad!", "email": "fakeemail@fake.com", "imgUrl": "https://cdn.techhq.com/wp-content/uploads/2020/10/shutterstock_1724615506.png", "price": "Free!"}]
```

3. *Triggers in Azure* - A **screenshot**, including URL, from the Azure portal where it is shown what endpoints are live.



4. *Triggers Connect to Database* - A **screenshot**, including URL, of at least the data returned from querying the `getAdvertisements` endpoint; other endpoints will be checked for reasonableness within the related code files.

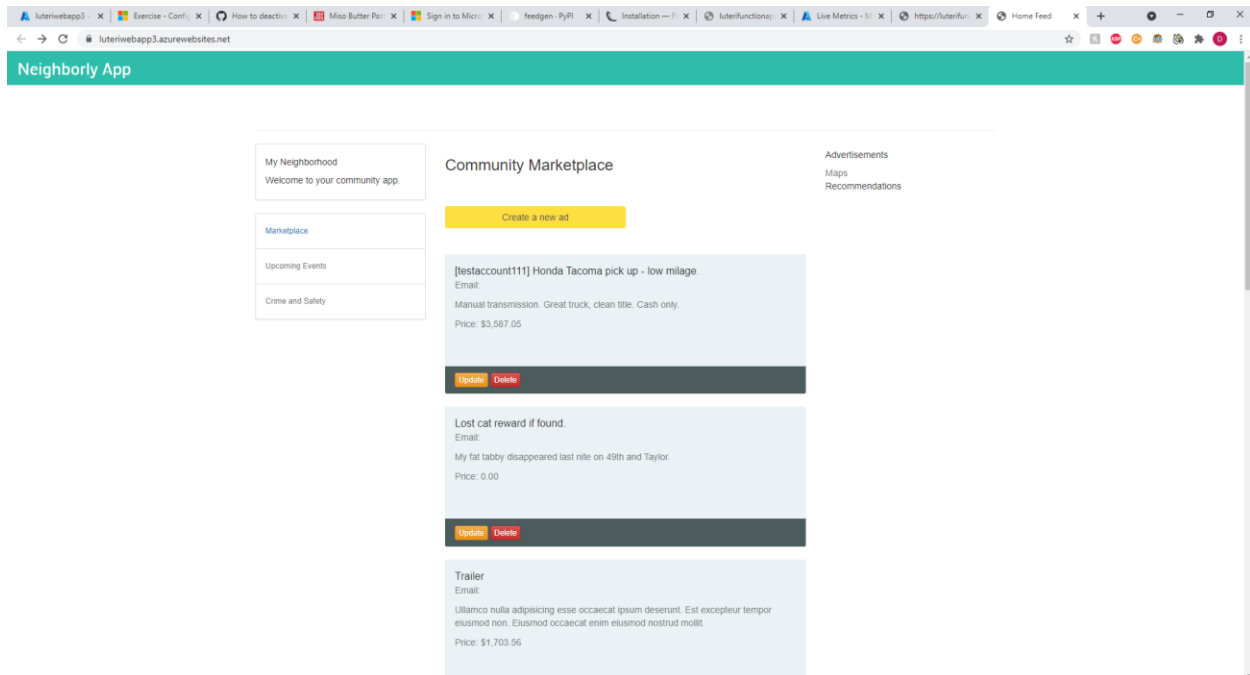
```
localhost:7071/api/getAdvertiser x +
localhost:7071/api/getAdvertisements

{"_id": "5ec34b22b5f7f6eac5f2ec3e", "title": "[testaccount111] Honda Tacoma pick up - low milage.", "description": "Manual transmission. Great truck, clean title. Cash only.", "price": "$3,587.05", "city": "Poolsville"}, {"_id": "5ec34b22c800f5f824c21490", "title": "Lost cat reward if found.", "description": "My fat tabby disappeared last nite on 49th and Taylor.", "price": "0.00"}, {"_id": "5ec34b22f764357ce29a775e", "title": "Trailer", "description": "Ullamco nulla adipiscing esse occaecat ipsum deserunt. Est excepteur tempor eiusmod non. Eiusmod occaecat enim eiusmod nostrud mollit.\r\n", "price": "$1,703.56"}, {"_id": "5ec34b2265403b17d00ae864", "title": "Lawn mower", "description": "Sunt eiusmod occaecat leserunt magna Lorem cillum non consequat minim do.\r\n", "price": "$520.13"}, {"_id": "5ec34b228eac7b1667a21a9a", "title": "Dirt", "description": "Et ea officia occaecat minim adipiscing. Ut nostrud sunt mollit ex labore. Exercitation ut exercitation sint reprehenderit duis reprehenderit.\r\n", "price": "Free"}]
```

```
https://luterfunctionapp.azurewe x +
luterfunctionapp.azurewebsites.net/api/getAdvertisements?

[{"_id": "5ec34b22b5f7f6eac5f2ec3e", "title": "[testaccount111] Honda Tacoma pick up - low milage.", "description": "Manual transmission. Great truck, clean title. Cash only.", "price": "$3,587.05", "city": "Poolsville"}, {"_id": "5ec34b22c800f5f824c21490", "title": "Lost cat reward if found.", "description": "My fat tabby disappeared last nite on 49th and Taylor.", "price": "0.00"}, {"_id": "5ec34b22f764357ce29a775e", "title": "Trailer", "description": "Ullamco nulla adipiscing esse occaecat ipsum deserunt. Est excepteur tempor eiusmod non. Eiusmod occaecat enim eiusmod nostrud mollit.\r\n", "price": "$1,703.56"}, {"_id": "5ec34b2265403b17d00ae864", "title": "Lawn mower", "description": "Sunt eiusmod occaecat deserunt magna Lorem cillum non consequat minim do.\r\n", "price": "$520.13"}, {"_id": "5ec34b228eac7b1667a21a9a", "title": "Dirt", "description": "Et ea officia occaecat minim adipiscing. Ut nostrud sunt mollit ex labore. Exercitation ut exercitation sint reprehenderit duis reprehenderit.\r\n", "price": "Free"}, {"_id": {"$oid": "60ea40aee512266a597f3d26"}, "title": "Donna's Ad", "city": "Chicago, IL, USA", "description": "I created a new ad!", "email": "donna.luteri@gmail.com", "imgUrl": "https://cdn.techhq.com/wp-content/uploads/2020/10/shutterstock_1724615506.png", "price": "Free"}, {"_id": {"$oid": "60ea4125e512266a597f3d2b"}, "title": "New Ad", "city": "Chicago, IL, USA", "description": "I created a new ad!", "email": "fakeemail@fake.com", "imgUrl": "https://cdn.techhq.com/wp-content/uploads/2020/10/shutterstock_1724615506.png", "price": "Free"}]
```

5. *Flask Front End: Localhost* - A **screenshot** of the front-end appropriately pulling up posts when you visit localhost. Note that if you have provided a screenshot or URL to a **live site** with the front-end later on in the assignment, that can also be used as proof here.



2. Logic Apps & Event Hubs

1. Logic App - A screenshot from your inbox notification.

The screenshot displays the Microsoft Azure portal interface. The top navigation bar shows the user is logged in as 'oivuser_152499@redat...'. The main content area is divided into two sections.

Logic App Designer: The top section shows the 'luterlogicapp' Logic App in the 'Logic app designer' view. The workflow consists of two steps: 'When a HTTP request is received' and 'Send email (v4)'. The 'Send email' step is configured with the following details:

- From: luterfave@gmail.com
- Subject: HTTP was triggered
- Font: 12, Bold, Italic, Underline, Text color, Background color, Link, Unlink, Bold, Italic, Underline, Text color, Background color, Link, Unlink
- Email body: Hey! Here's a notification from Logic Apps. Enjoy!
- To: luterfave@gmail.com

Event Hub Overview: The bottom section shows the 'luterieventhub' Event Hub in the 'Event Hubs Namespace' view. The 'Essentials' tab is active, displaying the following information:

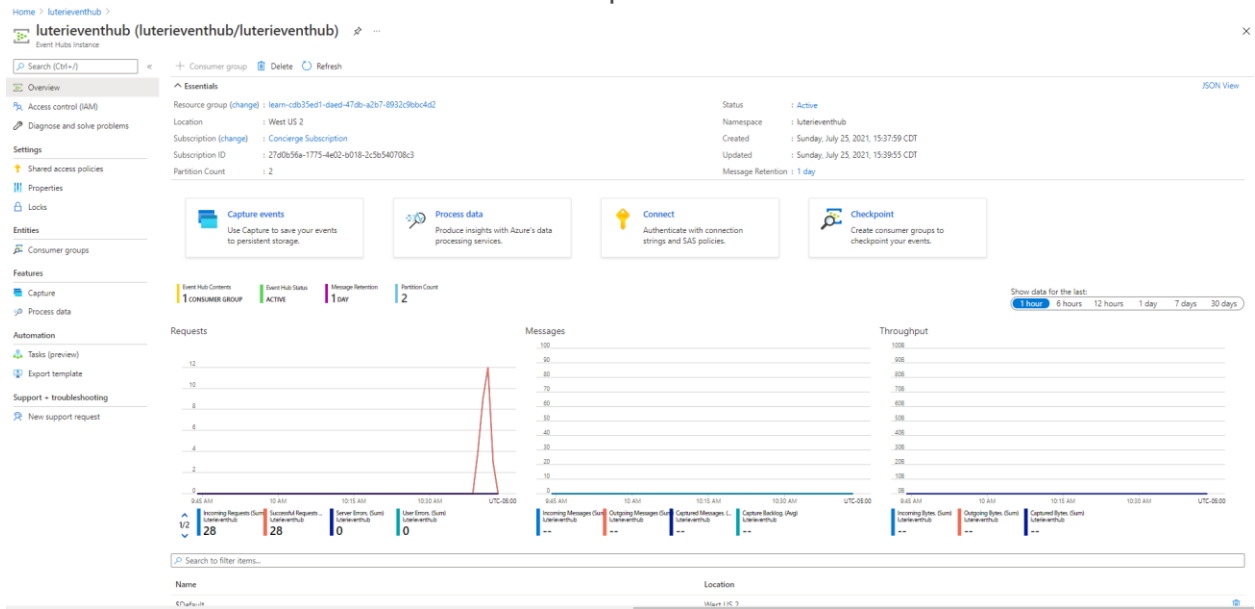
- Resource group (change): learn-cdb35ed1-deed-47db-a2b7-8932c9bb4d2
- Status: Active
- Location: West US 2
- Subscription (change): Concierge Subscription
- Subscription ID: 27d0b56a-1775-4e02-b018-2c5b540708c3
- Host name: luterieventhub.servicebus.windows.net
- Tags (change): Click here to add tags
- Created: Sunday, July 25, 2021, 10:28:10 CDT
- Updated: Sunday, July 25, 2021, 10:29:02 CDT
- Zone Redundancy: Enabled
- Pricing tier: Basic
- Throughput Units: 1 unit
- Auto-inflate throughput: Not Supported

The 'Metrics' section shows three charts: Requests, Messages, and Throughput. The 'Requests' chart shows a peak in activity around 10:20 AM. The 'Messages' chart shows a peak in activity around 10:20 AM. The 'Throughput' chart shows a peak in activity around 10:20 AM.

The 'Automation' section shows a table with the following columns: Name, Status, Message Retention, and Partition Count.

Name	Status	Message Retention	Partition Count
luterieventhub	Active	1 day	2

2. Event Hub - A screenshot with the namespace URL.



Search Postman

Invite

Upgrade

Overview

DEL https://localhost7...

Release Notes

POST https://luterieven...

+

...

No Environment

Save

</>

POST

https://luterieventgridtopic.westus-1.eventgrid.azure.net/api/events?*=HNJSB70gbwePhs6Dx2N/10IF9F0sWXIL/TJ39hjxTo=

Send

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

[

2

...

3

"id": "12345",

4

"eventType": "myEventTest",

5

"subject": "pubSubTest/event",

6

"eventTime": "2020-07-15T21:00:20+00:00",

7

"data": {

8

"name": "Luteri"

9

},

10

"dataVersion": "1.0",

11

"metadataVersion": "1",

12

"topic": "/subscriptions/calle940-0057-45c2-9dd3-7329889d7406/resourceGroups/cloud-demo-151196/providers/Microsoft.EventGrid/topics/luterieventgridtopic"

13

...

14

]

Body

Cookies

Headers (6)

Test Results

Status: 200 OK

Time: 316 ms

Size: 261 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1



luterieventgridtopic

Event Grid Topic



Search (Ctrl+/) <

+ Event Subscription Delete Refresh

Overview

Activity log

Access control (IAM)

Tags

Settings

Access keys

Networking

Identity

Locks

Monitoring

Alerts

Metrics

Diagnostic settings

Logs

Automation

Tasks (preview)

Export template

Support + troubleshooting

New support request

Essentials

JSON View

Resource group (change)
cloud-demo-151195

Kind
Azure

Status
Active

Topic Endpoint
https://luterieventgridtopic.westus-1.eventgrid.azure.net/...

Location
West US

Pricing tier
Basic

Subscription (change)
Udacity CloudLabs Sub - 77

Subscription ID
ca11e940-8057-45c2-9dd3-7329089d7406

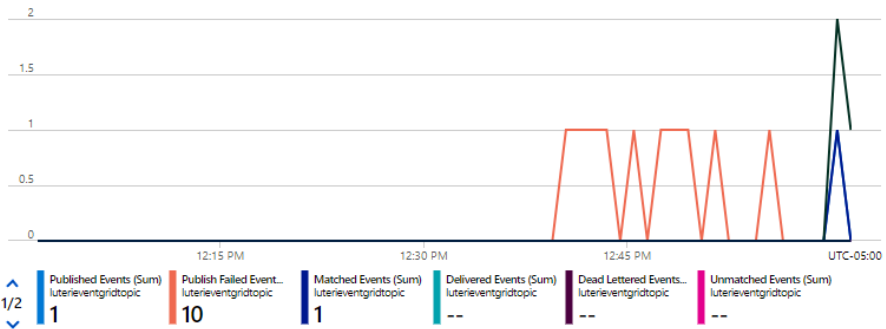
Tags (change)
Click here to add tags

Show metrics:

General Errors Latency
Dead-Letter

For the last:

1 hour 6 hours 12 hours 1 day 7 days
30 days



Search to filter items...

Name	Endpoint	Prefix Filter	Suffix Filter	Event Types
luterieventsubscri...	AzureFunction			

Home > cloud-demo-152499 > luterieventgridtopic > luterieventsubscription > luterieventgridtopic

luterieventgridtopic | Activity log

Event Grid Topic

Search (Ctrl+/) <

Activity Edit columns Refresh Diagnostics settings Download as CSV Logs Pin current filters Reset filters

Search

Quick Insights

Subscription: Udacity CloudLabs Sub - 92

Event severity: All

Timespan: Last 6 hours

Resource group: cloud-demo-152499

Resource: luterieventgridtopic

Add Filter

5 items.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
Write EventSubscription	Succeeded	an hour ago	Sun Jul 25 2...	Udacity CloudLabs Sub - 92	odl_user_152499@udacty...
Write EventSubscription	Succeeded	2 hours ago	Sun Jul 25 2...	Udacity CloudLabs Sub - 92	odl_user_152499@udacty...
Write EventSubscription	Succeeded	3 hours ago	Sun Jul 25 2...	Udacity CloudLabs Sub - 92	odl_user_152499@udacty...
List Topic Keys	Succeeded	3 hours ago	Sun Jul 25 2...	Udacity CloudLabs Sub - 92	odl_user_152499@udacty...
Write Topic	Succeeded	3 hours ago	Sun Jul 25 2...	Udacity CloudLabs Sub - 92	odl_user_152499@udacty...

Home > cloud-demo-152499 > luterieventgidtopic > luterieventsubscription > eventHubTrigger

eventHubTrigger | Monitor

Function

Search (Ctrl+/)

«

Overview

Developer

Code + Test

Integration

Monitor

Function Keys

Invocations

Logs

Results may be delayed for up to 5 minutes.

Success Count

0

Last 30 Days

Error Count

0

Last 30 Days

Invocation Traces

The twenty most recent function invocation traces. For more advanced analysis, run the query in Application Insights.

Run query in Application Insights

Refresh

Filter invocations

Date (UTC)	Success	Result Code	Duration (ms)	Operation Id
No results				

Home > cloud-demo-152499 > luterieventgidtopic > luterieventsubscription > eventHubTrigger

eventHubTrigger | Code + Test

Function

Search (Ctrl+/)

«

Save

Discard

Refresh

Test/Run

Upload

Get function URL

Overview

Developer

Code + Test

Integration

Monitor

Function Keys

Editing functions in the portal is not supported for Linux Consumption Function Apps.

eventgridtriggerluteri \ eventHubTrigger \

init.py

1

import json

2

import logging

3

import azure.functions as func

4

5

6

def main(event: func.EventGridEvent):

7

8

...logging.info('Function triggered to process a message:', event.get_body())

9

...logging.info('...EnqueuedTimeUtc =', event.enqueued_time)

10

...logging.info('...SequenceNumber =', event.sequence_number)

11

...logging.info('...Offset =', event.offset)

12

13

...result = json.dumps({

14

... 'id': event.id,

15

... 'data': event.get_json(),

16

... 'topic': event.topic,

17

... 'subject': event.subject,

18

... 'event_type': event.event_type,

19

...})

20

21

22

...logging.info('Python EventGrid trigger processed an event: %s', result)

23

24

25

26

3. Deploying Your Application

1. *App Service Deployment*- The **live url** from Azure App Service (which should be accessible to all users on the World Wide Web), or a **screenshot** should be provided, including the URL, of the previously live site.

Home Feed

luteriwebapp.azurewebsites.net

Neighorly App

My Neighborhood

Welcome to your community app.

Marketplace

Upcoming Events

Crime and Safety

Community Marketplace

Create a new ad

[testaccount111] Honda Tacoma pick up - low milage.

Email:

Manual transmission. Great truck, clean title. Cash only.

Price: \$3,587.05

Update

Delete

Lost cat reward if found.

Email:

My fat tabby disappeared last nite on 49th and Taylor.

Price: 0.00

Update

Delete

Trailer

Email:

Ullamco nulla adipisicing esse occaecat ipsum deserunt. Est excepteur tempor eiusmod non. Eiusmod occaecat enim eiusmod nostrud mollit.

Price: \$1,703.56

Update

Delete

Lawn mower

Email:

Sunt eiusmod occaecat deserunt magna Lorem cillum non consequat minim do.

Price: \$520.13

Update

Delete

Dirt

Email:

Et ea officia occaecat minim adipisicing. Ut nostrud sunt mollit ex labore. Exercitation ut exercitation sint reprehenderit duis reprehenderit.

Price: Free

Update

Delete

Advertisements


Maps

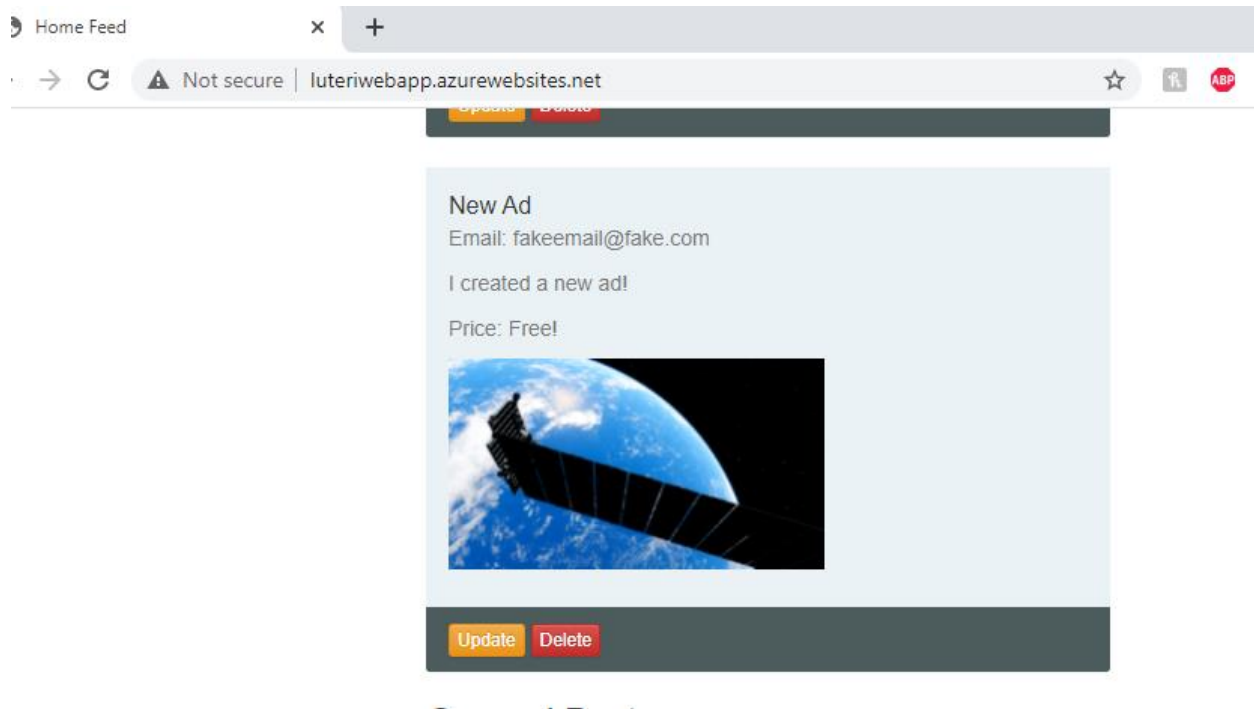
Recommendations

General Posts

Food distribution

Hi I think —not sure— there is a food distribution at going on now in our neighborhood community center?





Dockerfile - A screenshot of the Dockerfile from Azure Container Registry as evidence.

```
PS C:\Users\Student\Documents\Udacity\Azure\Project 2\Weighborly App\WeighborlyAPI> docker tag luteridockerimage lutericontainerregistry.azurecr.io/luteridockerimage:v1
PS C:\Users\Student\Documents\Udacity\Azure\Project 2\Weighborly App\WeighborlyAPI> docker images
REPOSITORY          TAG          IMAGE ID      CREATED      SIZE
luteridockerimage    latest       3550810536c2  3 minutes ago  1.21GB
lutericontainerregistry.azurecr.io/luteridockerimage    v1          3550810536c2  3 minutes ago  1.21GB
PS C:\Users\Student\Documents\Udacity\Azure\Project 2\Weighborly App\WeighborlyAPI>
```

Images on disk 3 images Total size: 1.21 GB IN USE UNUSED Clean up...

LOCAL REMOTE REPOSITORIES

Search Sort by

	TAG	IMAGE ID	CREATED	SIZE
luteridockerimage	latest	3550810536c2	20 minutes ago	1.21 GB
lutericontainerregistry.azure...	v1	3550810536c2	20 minutes ago	1.21 GB
hello-world	IN USE latest	d1165f221234	4 months ago	13.34 KB

Kubernetes - A **screenshot** of confirmation from the terminal, or from within Azure, as evidence.

Resource group ([change](#))
cloud-demo-151195

Status
Succeeded

Location
West US 2

Subscription ([change](#))
Udacity CloudLabs Sub - 77

Subscription ID
ca11e940-8057-45c2-9dd3-7329089d7406

Tags ([change](#))
[Click here to add tags](#)

Kubernetes version
1.19.11

API server address
luterikubernetescluster-dns-4ca0748f.hcp.westus2.azmk8s...

Network type (plugin)
[Kubenet](#)

Node pools
[1 node pool](#)

Properties Capabilities



Kubernetes services

Encryption type	Encryption at-rest with a platform-managed key
Virtual node pools	Not enabled



Node pools

Node pools	1 node pool
Kubernetes versions	1.19.11
Node sizes	Standard_B2s



Configuration

Kubernetes version	1.19.11
Kubernetes RBAC	Enabled
AKS-managed AAD	Not enabled



Networking

API server address	luterikubernetescluster-dns-4ca0748f.hcp.westus2.azmk8s.io
Network type (plugin)	Kubenet
Pod CIDR	10.244.0.0/16
Service CIDR	10.0.0.0/16
DNS service IP	10.0.0.10
Docker bridge CIDR	172.17.0.1/16
Network Policy	None
Load balancer	Standard
HTTP application routing	Not enabled
Private cluster	Not enabled
Authorized IP ranges	Not enabled
Application Gateway ingress controller	Not enabled



Integrations

Container insights	Not enabled
Workspace resource ID	-