

Deploying the Neighborly App with Azure Functions

Serverless Functions

Home > All resources > myazurecosmosdbneighborly

myazurecosmosdbneighborly | Data Explorer

Azure Cosmos DB API for MongoDB account

MONGO API

- neighborly
 - advertisements
 - Documents
 - Scale & Settings
 - posts
 - Documents
 - Scale & Settings

Documents

No filter applied

`_id`

5ec34b22b5f7f6eac5f2ec3e
5ec34b22c800f5f824c21490
5ec34b22f764357ce29a775e
5ec34b2265403b17d00ae864
5ec34b228eac7b1667a21a9a

Load more

```
1 {
2   "_id" : ObjectId("5ec34b22b5f7f6eac5f2ec3e"),
3   "title" : "[testaccount111] Honda Tacoma pick up - low milage.",
4   "description" : "Manual transmission. Great truck, clean title. Cash onl",
5   "price" : "$3,587.05",
6   "city" : "Poolsville"
7 }
```

MongoDB - Advertisements: 5 identifiers and show the first element

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Azure Cosmos DB API for MongoDB account

MONGO API

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Documents

Type a query predicate (e.g., { 'a' : 'foo' }), or choose one from the drop down list, or leave empty to query all documents.

`_id`

5ec34cb6a611ef690a38dc09
5ec34cb625f7e6b04907fbad
5ec34cb6d1d76535514b91d9
5ec34cb666a8e2c4f3c36cfd

Load more

```
1 {
2   "_id" : ObjectId("5ec34cb6a611ef690a38dc09"),
3   "title" : "Need a haircut!",
4   "city" : "Riverdale Park",
5   "description" : "Can someone come to my yard and cut my hair? I will wea",
6   "imgUrl" : "https://i.pining.com/564x/57/63/87/576387d9c55bb5a3e5dead09ac",
7   "publishedDate" : "Mon May 18 2020 20:04:22 GMT-0400 (Eastern Daylight Ti",
8 }
```

MongoDB - Posts: 4 identifiers and show the first element

```
localhost:7071/api/getAdvertisements

JSON Raw Data Headers
Save Copy Collapse All Expand All Filter JSON

0:
  _id:
  $oid: "5ec34b22b5f7f6eac5f2ec3e"
  title: "[testaccount111] Honda Tacoma pick up - low milage."
  description: "Manual transmission. Great truck, clean title, Cash only."
  price: "$3,587.05"
  city: "Poolsville"
1:
  _id:
  $oid: "5ec34b22c800f5f824c21490"
  title: "Lost cat reward if found."
  description: "My fat tabby disappeared last nite on 49th and Taylor."
  price: "0.00"
2:
  _id:
  $oid: "5ec34b22f764357ce29a775e"
  title: "Trailer"
  description: "Ullamco nulla adipisicing esse occaecat ipsum deserunt. Est excepteur tempor eiusmod non. Eiusmod occaecat enim eiusmod nostrud mollit.\r\n"
  price: "$1,703.56"
3:
  _id:
  $oid: "5ec34b2265403b17d00ae864"
  title: "Lawn mower"
  description: "Sunt eiusmod occaecat deserunt magna Lorem cillum non consequat minim do.\r\n"
  price: "$520.13"
4:
  _id:
  $oid: "5ec34b228eac7b1667a21a9a"
  title: "Dirt"
  description: "Et ea officia occaecat minim adipisicing. Ut nostrud sunt mollit ex labore. Exercitation ut exercitation sint reprehenderit dui reprehenderit.\r\n"
  price: "Free"
```

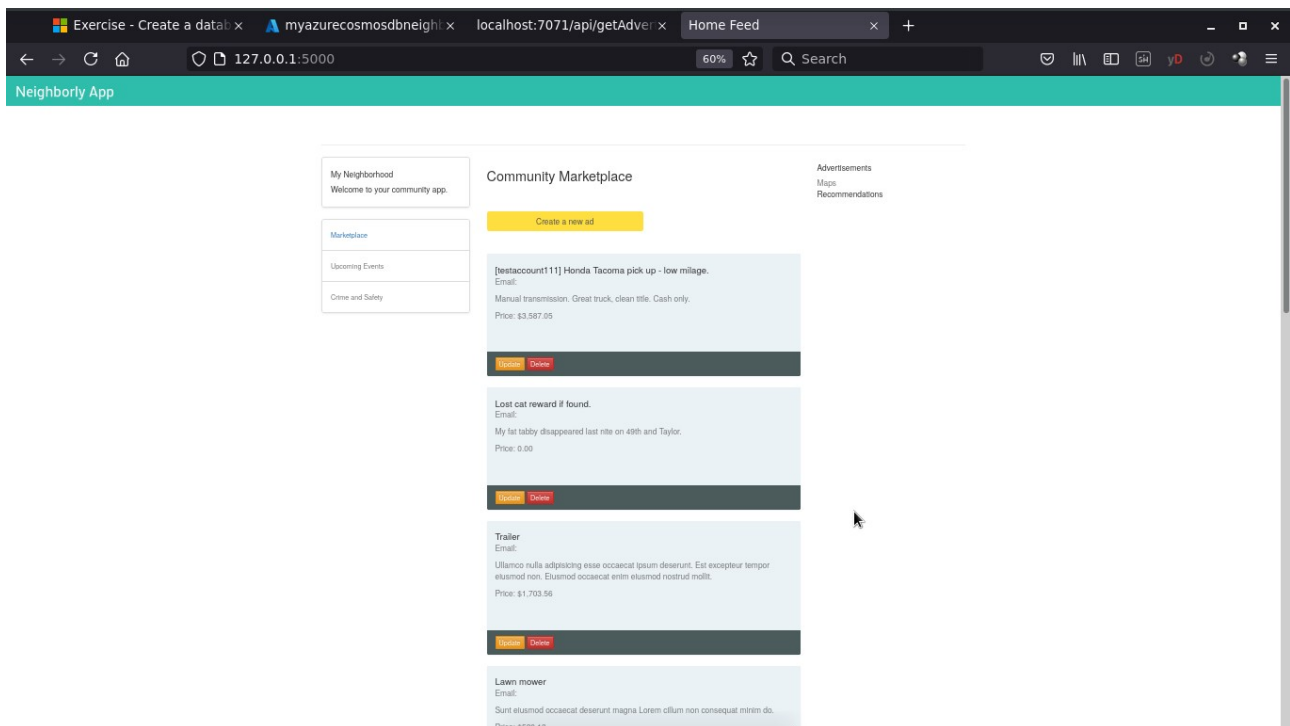
Functions running in local : getAdvertisements

```
localhost:7071/api/getPosts

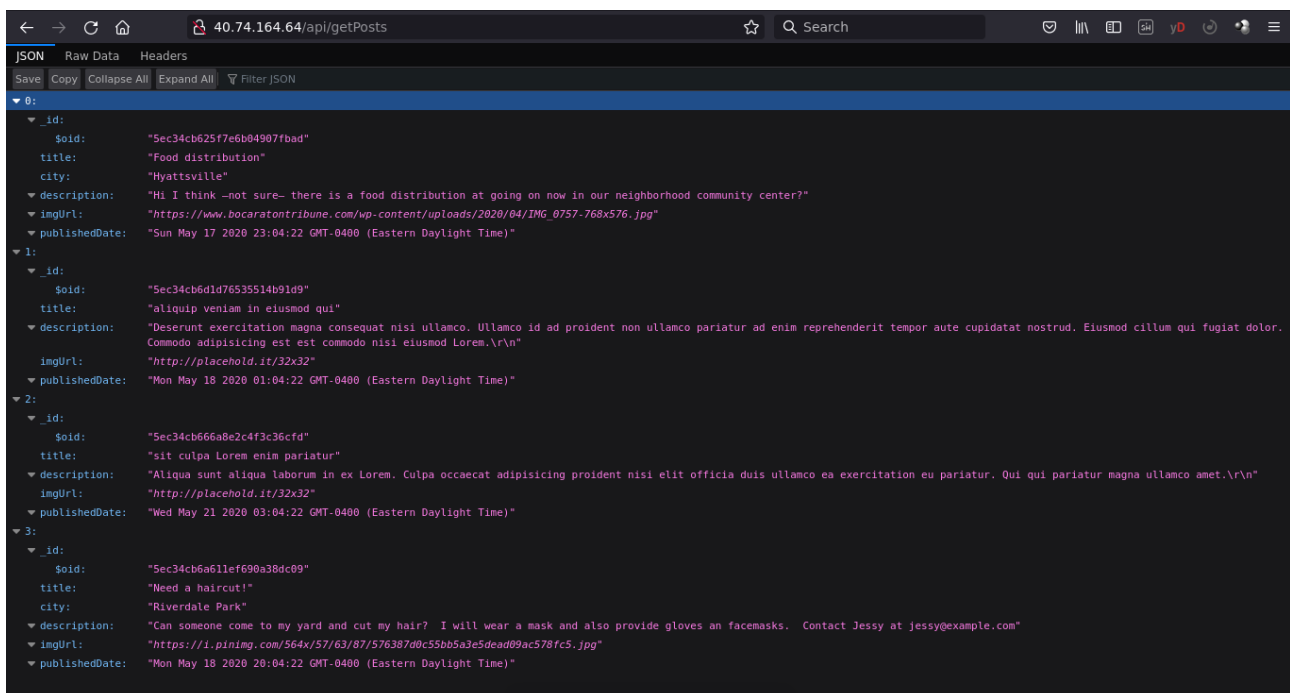
JSON Raw Data Headers
Save Copy Collapse All Expand All Filter JSON

0:
  _id:
  $oid: "5ec34cb6a611ef690a38dc09"
  title: "Need a haircut!"
  city: "Riverdale Park"
  description: "Can someone come to my yard and cut my hair? I will wear a mask and also provide gloves an facemasks. Contact Jessy at jessy@example.com"
  imgUrl: "https://i.pinimg.com/564x/57/63/87/576387d0c55bb5a3e5dead09ac578fc5.jpg"
  publishedDate: "Mon May 18 2020 20:04:22 GMT-0400 (Eastern Daylight Time)"
1:
  _id:
  $oid: "5ec34cb625f7e6b04907fbad"
  title: "Food distribution"
  city: "Hyattsville"
  description: "Hi I think -not sure- there is a food distribution at going on now in our neighborhood community center?"
  imgUrl: "https://www.bocaratribune.com/wp-content/uploads/2020/04/IMG_0757-768x576.jpg"
  publishedDate: "Sun May 17 2020 23:04:22 GMT-0400 (Eastern Daylight Time)"
2:
  _id:
  $oid: "5ec34cb6d1d76535514b91d9"
  title: "aliquip veniam in eiusmod qui"
  description: "Deserunt exercitation magna consequat nisi ullamco. Ullamco id ad proident non ullamco pariatur ad enim reprehenderit tempor aute cupidatat nostrud. Eiusmod cillum qui fugiat dolo Commodo adipisicing est est commodo nisi eiusmod Lorem.\r\n"
  imgUrl: "http://placeholder.it/32x32"
  publishedDate: "Mon May 18 2020 01:04:22 GMT-0400 (Eastern Daylight Time)"
3:
  _id:
  $oid: "5ec34cb666a8e2c4f3c36cfd"
  title: "sit culpa Lorem enim pariatur"
  description: "Aliqua sunt aliqua laborum in ex Lorem. Culpa occaecat adipisicing proident nisi elit officia dui ullamco ea exercitation eu pariatur. Qui qui pariatur magna ullamco amet.\r\n"
  imgUrl: "http://placeholder.it/32x32"
  publishedDate: "Wed May 21 2020 03:04:22 GMT-0400 (Eastern Daylight Time)"
```

Functions running in local : getPosts



Front End running on Local



Functions in Azure Kubernetes - getPosts from my functions in Azure

```
40.74.164.64/api/getAdvertisements

JSON Raw Data Headers
Save Copy Collapse All Expand All Filter JSON

0:
  _id:
    $oid: "5ec34b22c800f5f824c21490"
  title: "Lost cat reward if found."
  description: "My fat tabby disappeared last nite on 49th and Taylor."
  price: "0.00"
1:
  _id:
    $oid: "5ec34b22b5f7f6eac5f2ec3e"
  title: "[testaccount111] Honda Tacoma pick up - low milage."
  description: "Manual transmission. Great truck, clean title. Cash only."
  price: "$3,587.05"
  city: "Poolsville"
2:
  _id:
    $oid: "5ec34b2265403b17d00ae864"
  title: "Lawn mower"
  description: "Sunt eiusmod occaecat deserunt magna Lorem cillum non consequat minim do.\r\n"
  price: "$520.13"
3:
  _id:
    $oid: "5ec34b22f764357ce29a775e"
  title: "Trailer"
  description: "Ullamco nulla adipisicing esse occaecat ipsum deserunt. Est excepteur tempor eiusmod non. Eiusmod occaecat enim eiusmod nostrud mollit.\r\n"
  price: "$1,703.56"
4:
  _id:
    $oid: "5ec34b228eac7b1667a21a9a"
  title: "Dirt"
  description: "Et ea officia occaecat minim adipisicing. Ut nostrud sunt mollit ex labore. Exercitation ut exercitation sint reprehenderit dui reprehenderit.\r\n"
  price: "Free"
```

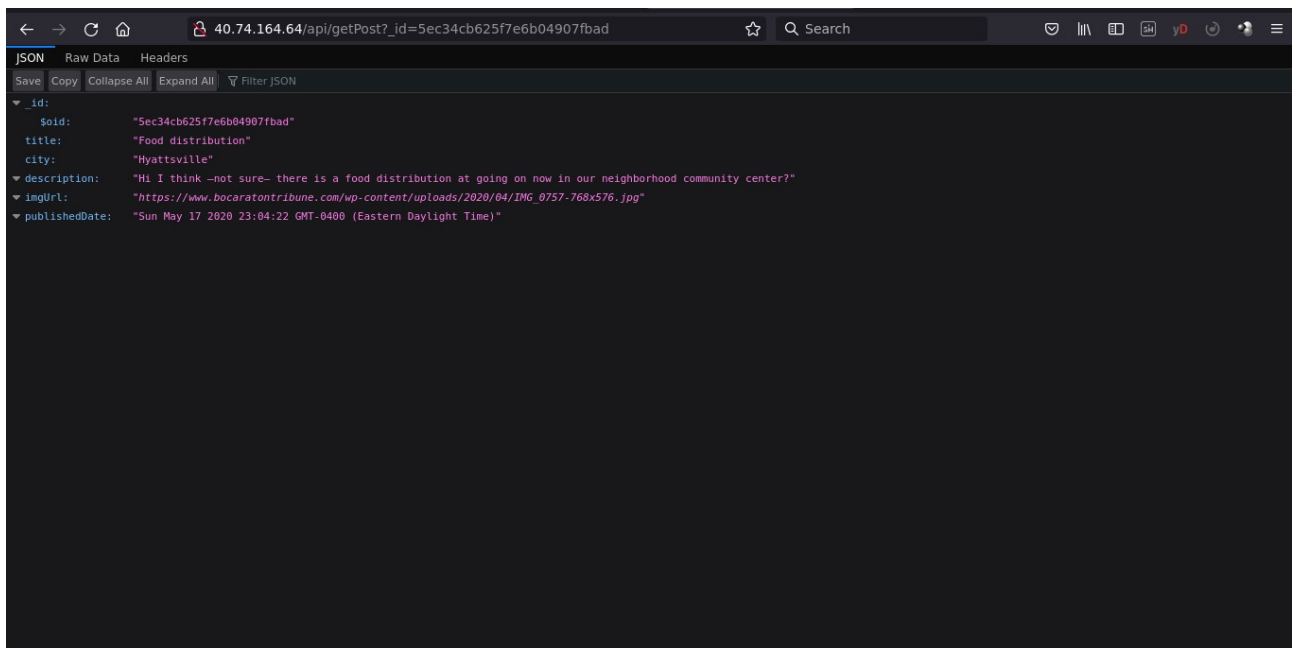
Functions in Azure Kubernetes - getAdvertisements from my functions in Azure

```
40.74.164.64/api/getAdvertisement?_id=5ec34b22b5f7f6eac5f2ec3e

JSON Raw Data Headers
Save Copy Collapse All Expand All Filter JSON

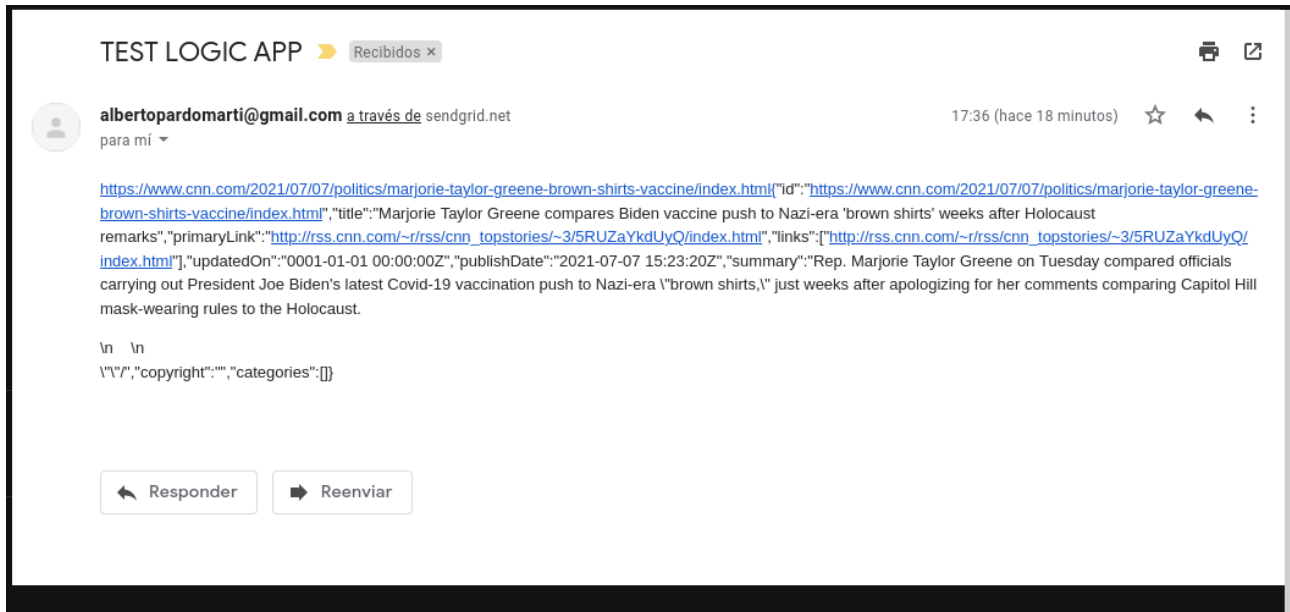
_id:
  $oid: "5ec34b22b5f7f6eac5f2ec3e"
title: "[testaccount111] Honda Tacoma pick up - low milage."
description: "Manual transmission. Great truck, clean title. Cash only."
price: "$3,587.05"
city: "Poolsville"
```

Functions in Azure Kubernetes - getAdvertisement with _id=5ec34b22b5f7f6eac5f2ec3e from my functions in Azure

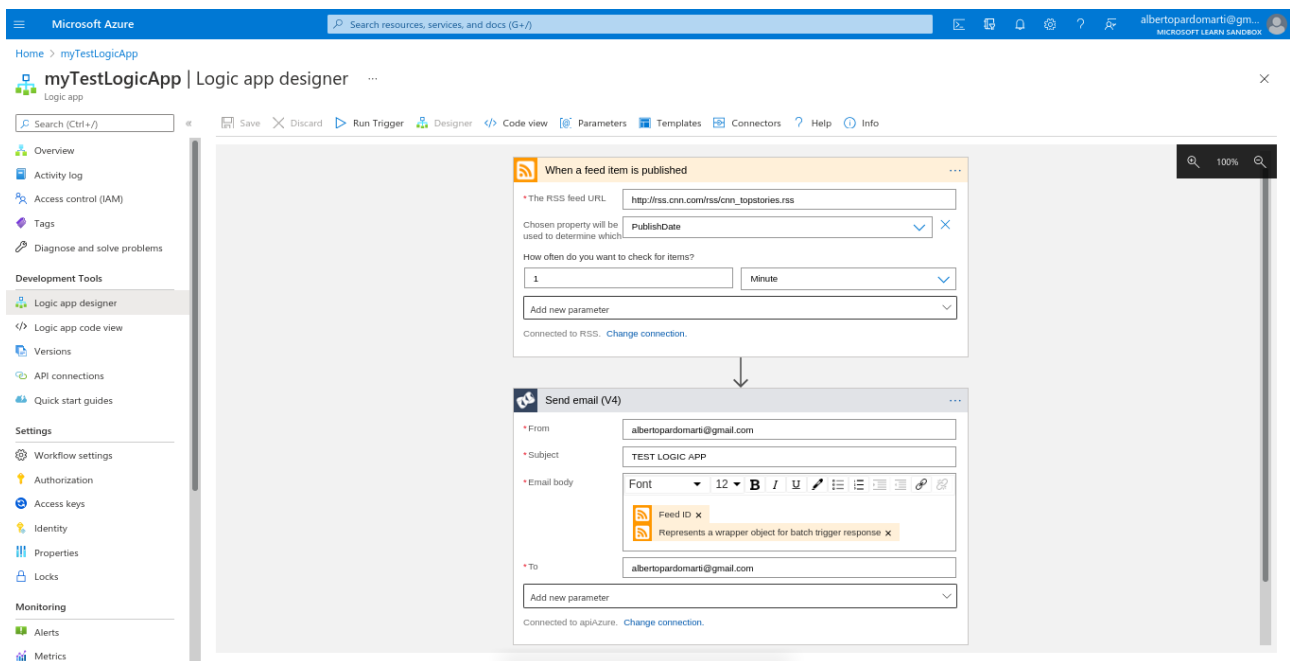


Functions in Azure Kubernetes - `getPost` with `_id=5ec34cb625f7e6b0490fbad` from my functions in Azure

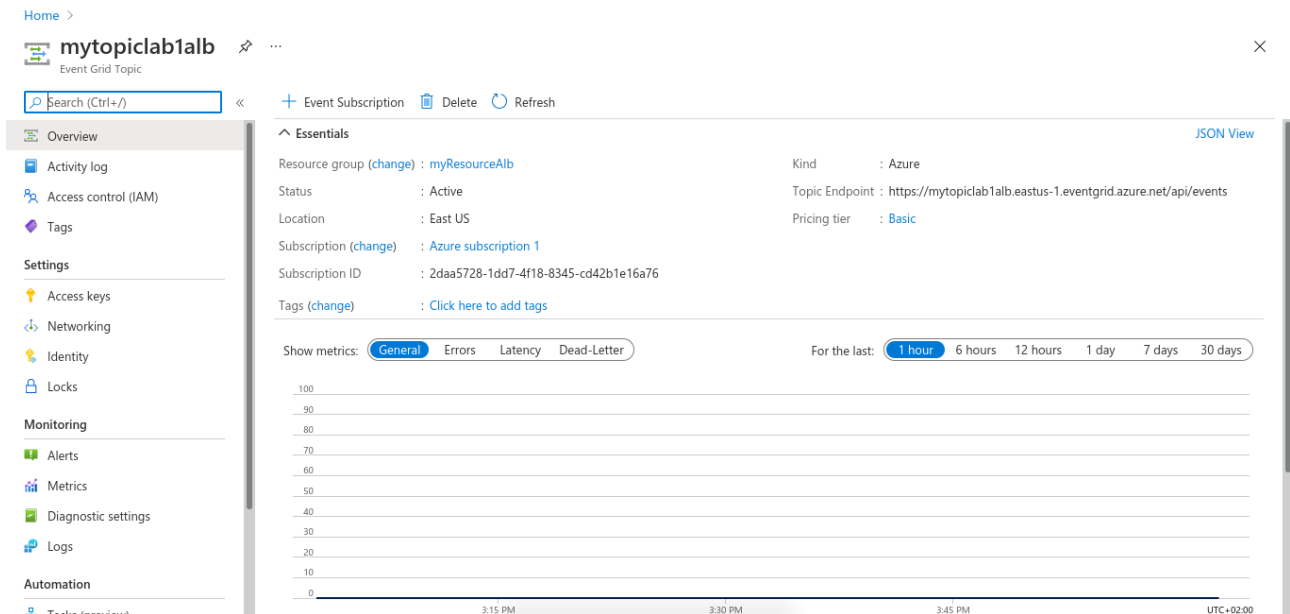
Logic Apps & Event Hubs



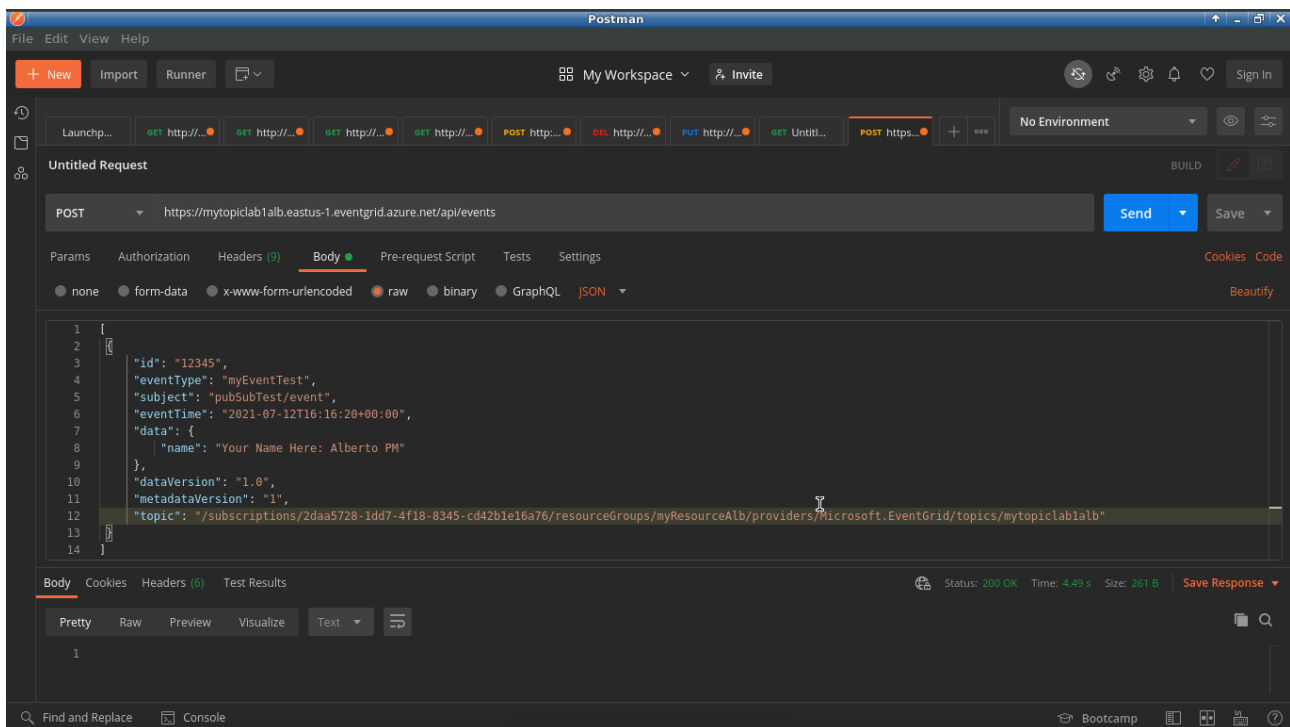
Gmail Notification



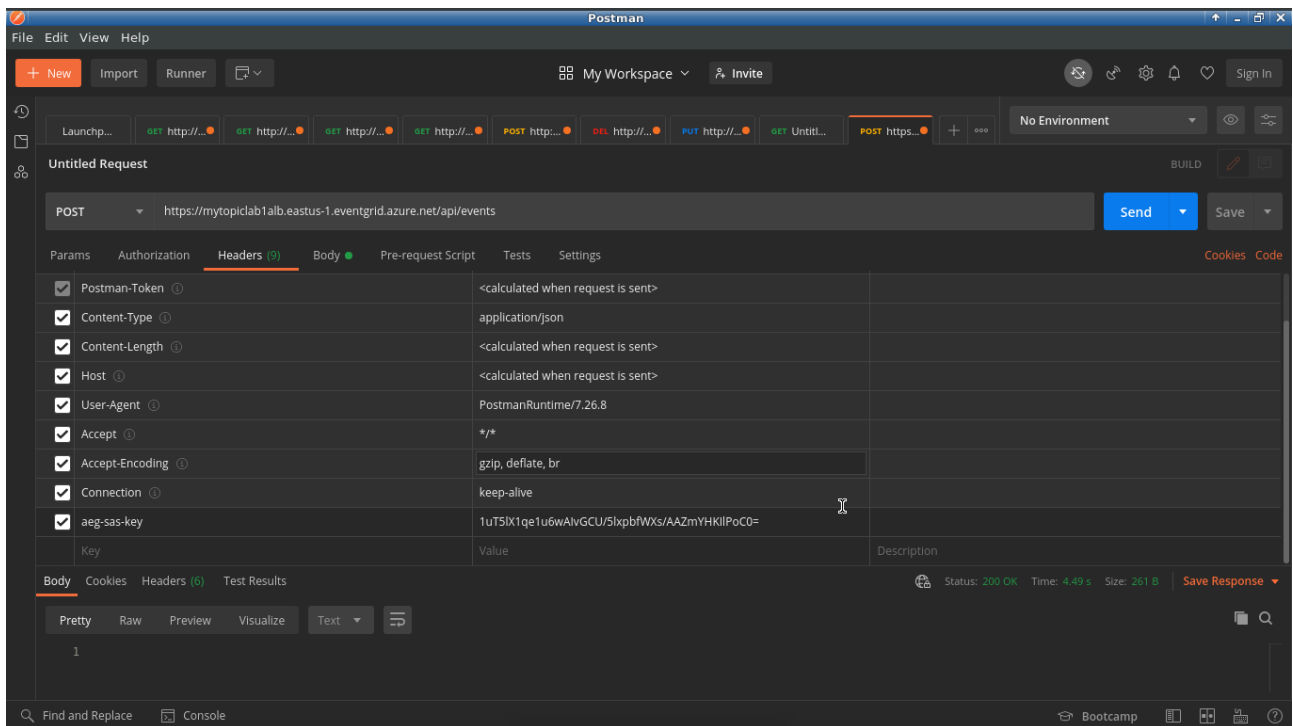
Logic App Desig



Even Grid topic

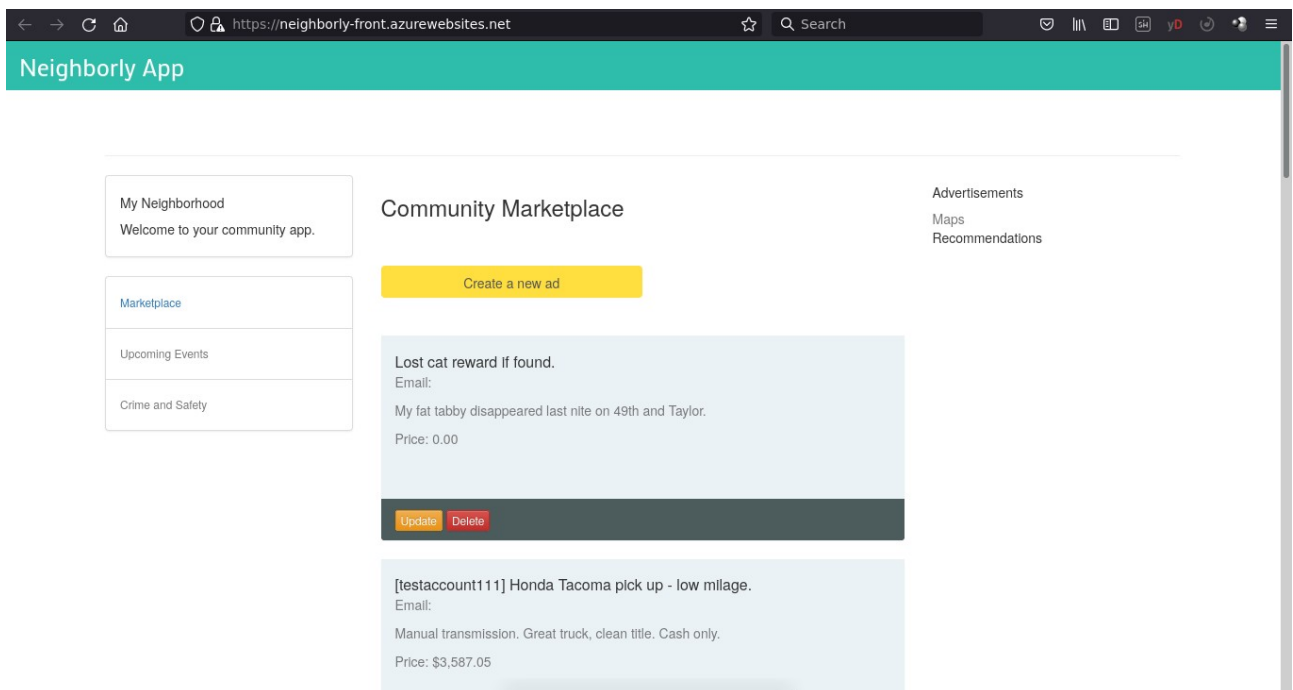


Event grid topic using POSTMAN : body



Event grid topic using POSTMAN : header

Deploying Your Application



FrontEnd on Azure

Home > aks-neighborly-api

Search (Ctrl+/)

Connect Delete Refresh

Essentials

Resource group (change) : cloud-demo-152600
Status : Succeeded
Location : South Central US
Subscription (change) : Uidacity CloudLabs Sub - 95
Subscription ID : eef616ef-a8eb-489a-997d-1965ca7e27cf
Tags (change) : Click here to add tags

Kubernetes version : 1.19.11
API server address : aks-neighborly-cloud-demo-15260-eef616-a8eb-489a-997d-1965ca7e27cf.hcp.southcentralus.azmk8s.io
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	aks-neighborly-cloud-demo-15260-eef616-a8eb-489a-997d-1965ca7e27cf.hcp.southcentralus.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	-

azure aks neighborly-api

Home > aks-neighborly-api

aks-neighborly-api | Namespaces

Search (Ctrl+/)

+ Add Delete Refresh Show labels

Filter by namespace name Filter by label selector

Enter the full namespace name foo=bar,key1=value

<input type="checkbox"/>	Name	Status	Age
<input type="checkbox"/>	default	Active	2 hours
<input type="checkbox"/>	keda	Active	2 hours
<input type="checkbox"/>	kube-node-lease	Active	2 hours
<input type="checkbox"/>	kube-public	Active	2 hours
<input type="checkbox"/>	kube-system	Active	2 hours

aks namespaces

Home > aks-neighborly-api | Workloads

aks-neighborly-api | Workloads

Kubernetes service

Search (Ctrl+/)

+ Add Delete Refresh Show labels

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Security

Kubernetes resources

Namespaces Workloads Services and ingresses Storage Configuration Settings Node pools Cluster configuration Networking

Deployments Pods Replica sets Stateful sets Daemon sets Jobs Cron jobs

Filter by deployment name Filter by label selector Filter by namespace

Enter the full deployment name foo=bar,key1=value All namespaces

	Name	Namespace	Ready	Up-to-date	Available	Age
	coredns	kube-system	2/2	2	2	2 hours
	coredns-autoscaler	kube-system	1/1	1	1	2 hours
	metrics-server	kube-system	1/1	1	1	2 hours
	tunnelfront	kube-system	1/1	1	1	2 hours
	keda-metrics-apiserver	keda	1/1	1	1	2 hours
	keda-operator	keda	1/1	1	1	2 hours
	aks-neighborly-api-http	default	1/1	1	1	2 hours

aks workloads

Home > containerRegistryAlb > myneighbordapi

myneighbordapi

Repository

Refresh Delete repository

Essentials JSON View

Repository myneighbordapi

Last updated date 7/26/2021, 6:15 PM GMT+2

Tag count 1

Manifest count 1

Search to filter tags

Tags v1

myneighbordapi:v1

Repository : myneighbordapi

Tag : v1

Tag creation date : 7/26/2021, 6:15 PM GMT+2

Tag last updated date : 7/26/2021, 6:15 PM GMT+2

Digest : sha256:3e9f9d3702abf2e2377cdc51543bef82d9d3e5c91cd580fba...

Manifest creation date : 7/26/2021, 6:15 PM GMT+2

Platform : linux / amd64

Docker pull command

```
docker pull containerregistryalb.azurecr.io/myneighbordapi:v1
```

Manifest

```
{
  "schemaVersion": 2,
  "mediaType": "application/vnd.docker.distribution.manifest.v2+json",
  "config": {
    "mediaType": "application/vnd.docker.container.image.v1+json",
    "size": 12993,
    "digest": "sha256:cb71288ca4583d062bbe89a2e70371833c85f78c7680c28be9af13619b7d75"
  },
  "layers": [
    {
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
      "size": 27139373,
      "digest": "sha256:f7ec5a41d630a33a2d1db5b95d8d9d3de7ae5a619a3a8571b78457e48266eba"
    },
    {
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
      "size": 2769613,
      "digest": "sha256:388aab6f395415d7b5f9dcb43e1358fc58c8c6d611abe54624a573b652ae9411"
    },
    {
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
      "size": 10933326,
      "digest": "sha256:f8d31dc90ab0a8579a4e16a2678acc213197beacf6f0acc719a3ab22774b2ce2"
    },
    {
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip"
    }
  ]
}
```

Azure container Registry

Cli Part Kubernetes

```
$ kubectl get nodes
NAME                                STATUS    ROLES    AGE   VERSION
aks-nodepool1-75477937-vmss000000 Ready    agent    72s   v1.19.11
(.venv) usaril (master #) NeighborlyAPI_alb
$ █
```

get nodes

```
$ kubectl get service --watch
NAME                                TYPE           CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
aks-neighborly-api-http            LoadBalancer  10.0.208.29    40.74.164.64   80:31385/TCP     93s
kubernetes                         ClusterIP      10.0.0.1       <none>         443/TCP          6m2s
█
```

get service

```
$ kubectl config get-contexts
CURRENT  NAME                                CLUSTER                AUTHINFO                NAMESPACE
*        aks-neighborly-cluster              aks-neighborly-cluster clusterUser_myNeighborGroup aks-neighborly-cluster
aks-neighborly-api                    aks-neighborly-api     clusterUser_cloud-demo-152600 aks-neighborly-api
aks-notes-cluster                     aks-notes-cluster      clusterUser_cloud-demo-148179 aks-notes-cluster
aks561123                             aks561123              clusterUser_cloud-demo-147445 aks561123
akscluster                           akscluster              clusterUser_cloud-demo-147496 akscluster
aksname                               aksname                 clusterUser_cloud-demo-147431 aksname
```

get context