

INTRODUCING



Kubernetes-based Event Driven Autoscaling component



```
apiVersion: aboutus/v1
kind: Speaker
metadata:
  hobby: MS T-shirt Collector
spec:
  name: Shay Shahak
  title: Cloud Solution Architect
  email: shays@microsoft.com
  linkedin: linkedin.com/in/shay-shahak
```

---



```
apiVersion: aboutus/v1
kind: Speaker
metadata:
  hobby: ShoesCollector
spec:
  name: Idan Shahar
  title: Cloud Solution Architect
  email: idans@microsoft.com
  linkedin: linkedin.com/in/idan-shahar
```



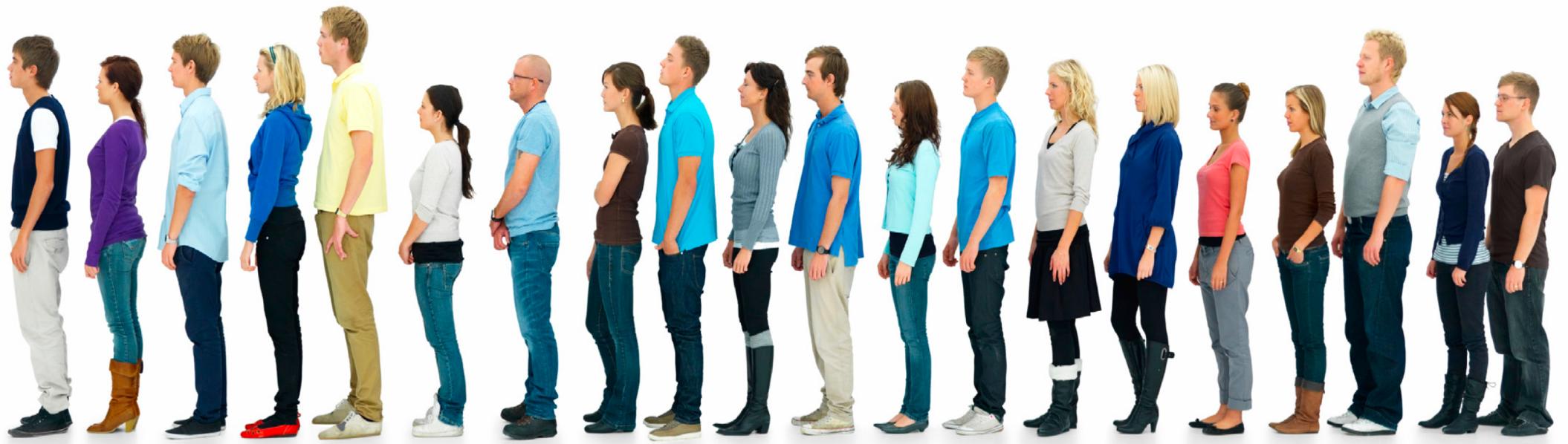












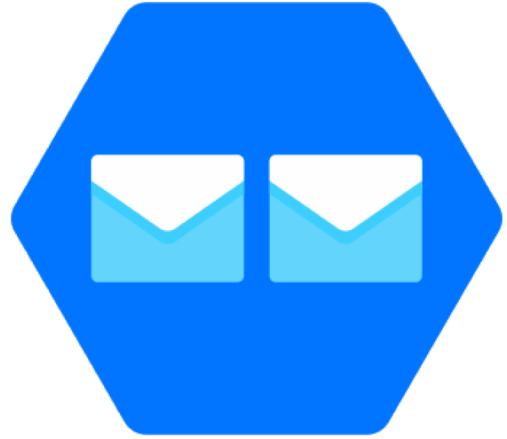


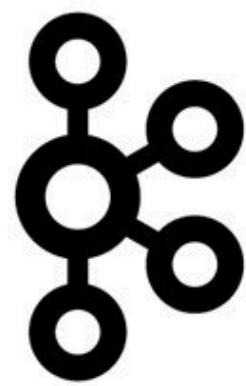
```
idanshahar@Idans-MacBook-Pro-4 ~ kubectl get pods -n zero  
No resources found.
```

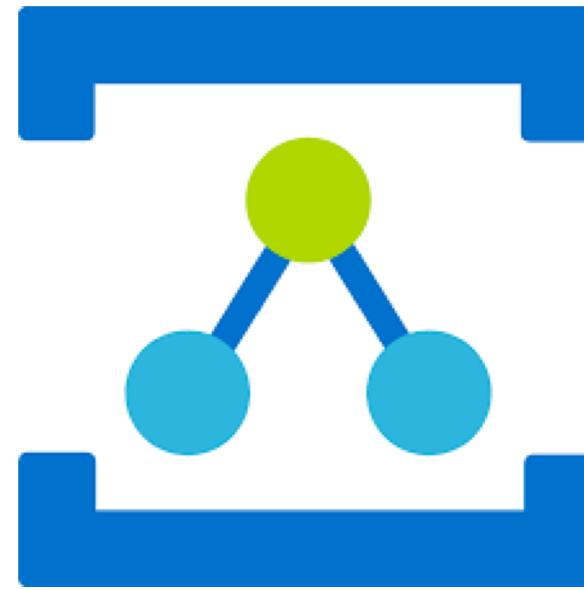
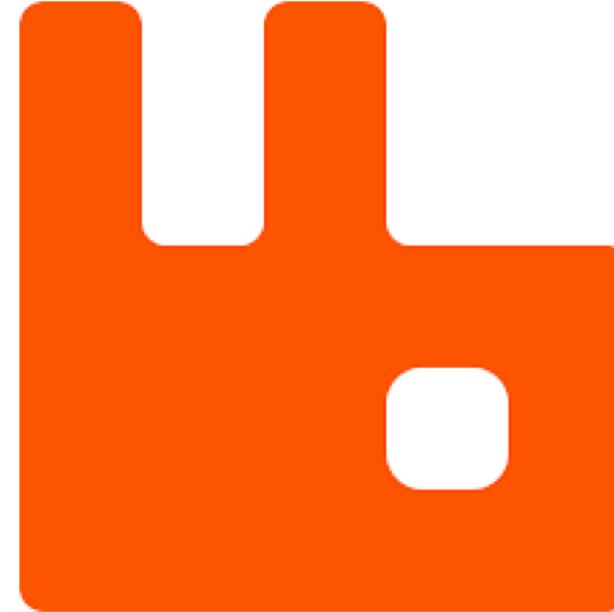
```
idanshahar@Idans-MacBook-Pro-4 ~
```

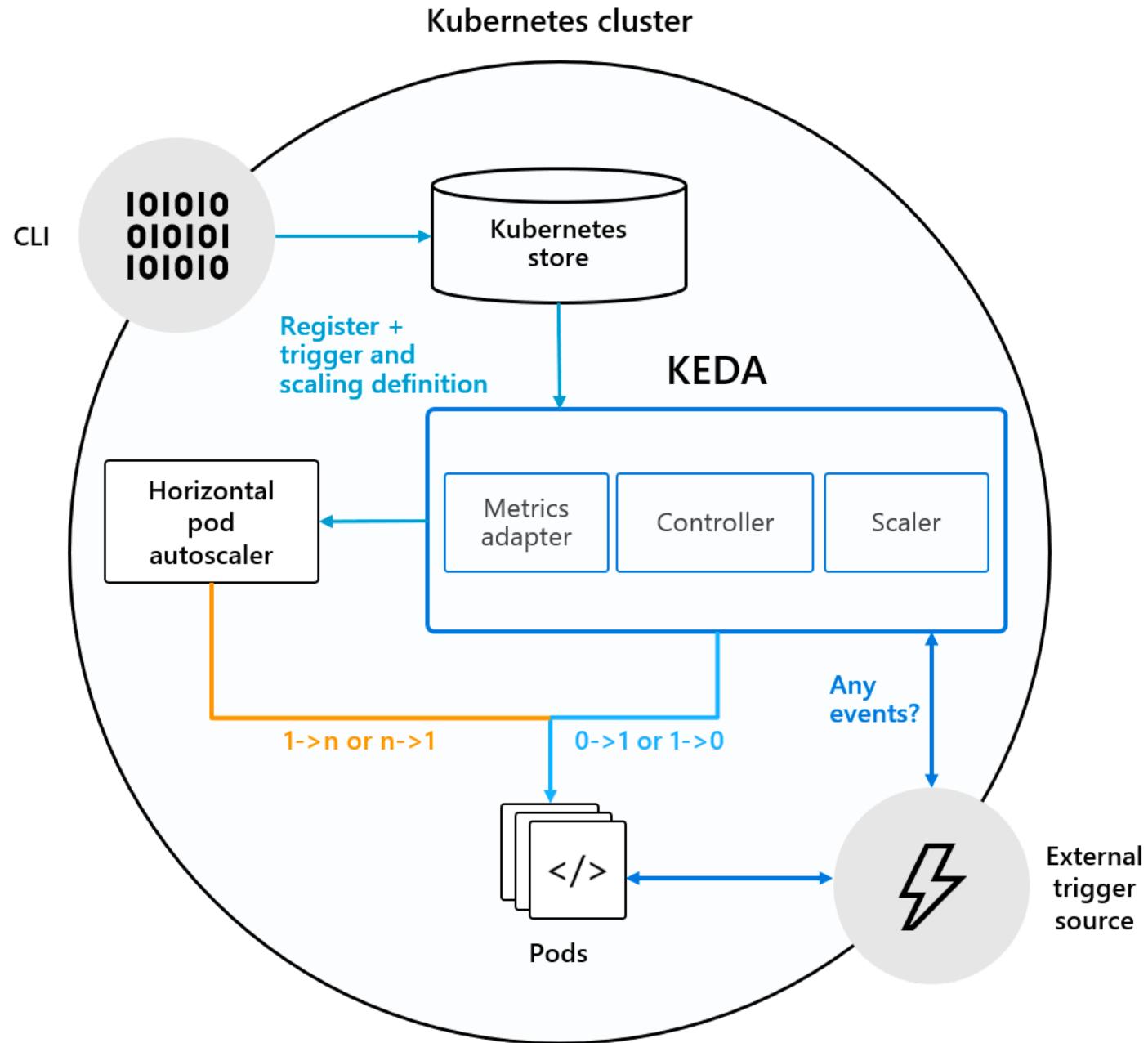


[github.com/kedacore/keda](https://github.com/kedacore/keda)



 kafka

The Kafka logo consists of a black icon on the left and the word "kafka" in a bold, lowercase, sans-serif font to its right.



# Installing KEDA

```
helm install kedacore/keda-edge --devel --set logLevel=debug --namespace keda --name keda
```

or

```
func kubernetes install --namespace keda
```

# ScaledObject

```
apiVersion: keda.k8s.io/v1alpha1
kind: ScaledObject
metadata:
  name: hello-keda
  namespace: default
  labels:
    deploymentName: hello-keda
spec:
  scaleTargetRef:
    deploymentName: hello-keda
  triggers:
  - type: azure-queue
    metadata:
      name: myQueueItem
      type: queueTrigger
      direction: in
      queueName: js-queue-items
      connection: AzureWebJobsStorage
```

# Triggers

- type: rabbitmq  
  metadata:  
    host: amqp://guest:guest@rabbitmq.svc:5672/  
    queueLength: '20' # Optional. Queue length target for HPA. Default: 20 messages  
    queueName: testqueue
- 
- type: kafka  
  metadata:  
    brokerList: kafka.svc:9092  
    consumerGroup: my-group  
    topicName: test-topic  
    lagThreshold: '5' # Optional. How much the stream is lagging on the current consumer group
- 
- type: azure-queue  
  metadata:  
    queueName: functionsqueue  
    queueLength: '5' # Optional. Queue length target for HPA. Default: 5 messages  
    connection: STORAGE\_CONNECTIONSTRING\_ENV\_NAME

demo #1

## Azure Function Integration



[github.com/Azure/Azure-Functions](https://github.com/Azure/Azure-Functions)

demo #2

# roadmap

## Planned

- Azure Event Hubs [#14](#)
- Azure IoT Hub [#214](#)
- Prometheus [#156](#)
- Azure Storage Blobs [#154](#)
- Azure Cosmos DB [#232](#)
- Azure Monitor
- Azure Durable Functions

## Help wanted

- AWS SQS [#138](#)
- Redis Cache (list) [#240](#)
- AWS Kinesis
- Google Cloud Pub/Sub [#141](#)
- Kubernetes Events
- MongoDB
- CockroachDB
- MQTT

[aka.ms/kedaquickstart](https://aka.ms/kedaquickstart)

Questions?

# Backpacks?!



# Thank You!



[shays@microsoft.com](mailto:shays@microsoft.com)  
[github.com/shayshahak](https://github.com/shayshahak)



[idans@microsoft.com](mailto:idans@microsoft.com)  
[@sh\\_idan](https://github.com/idanshahar)

