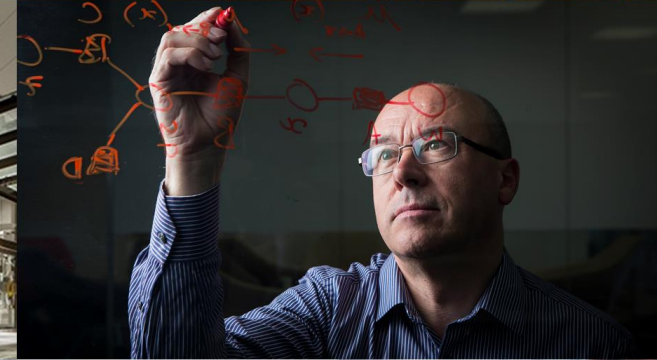
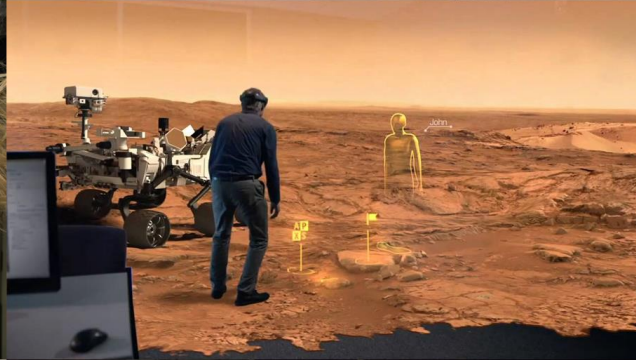
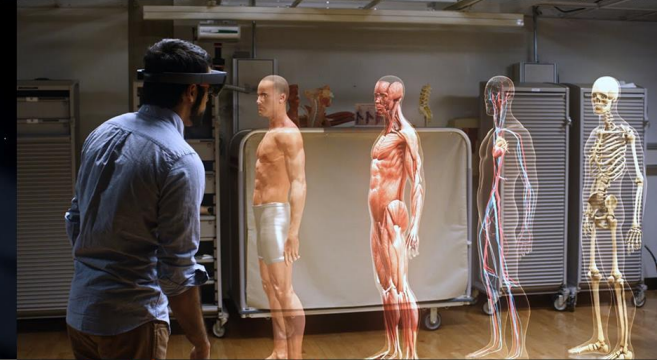
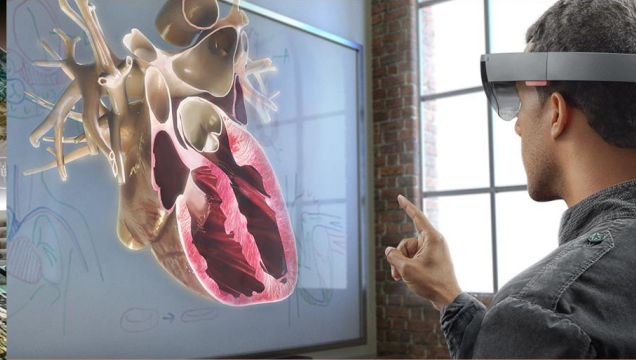




Make your ML / AI
production ready !

Ashok Samal
Microsoft, WE

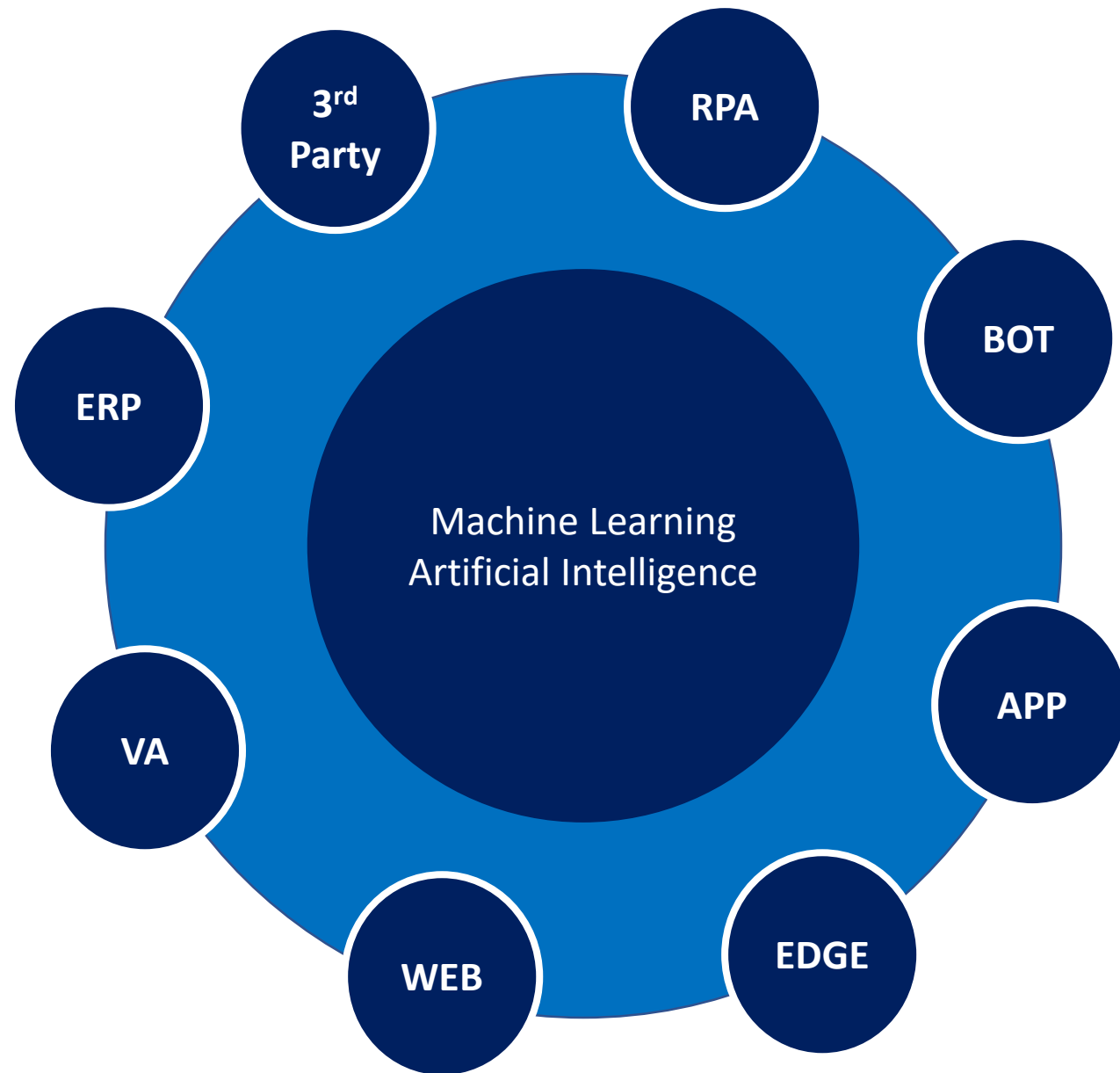


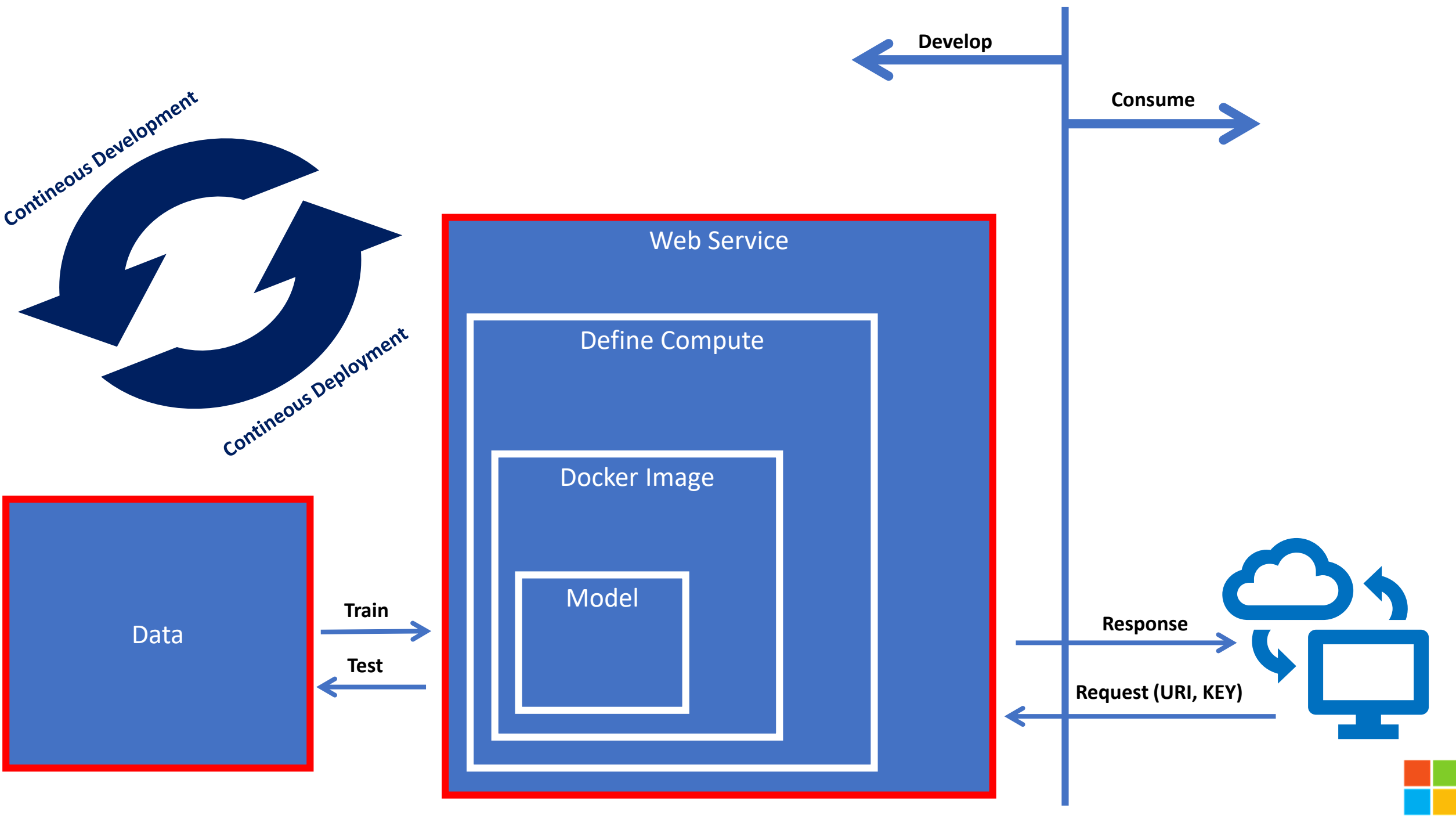


Accessibility



Accessibility








aksws-gui-1

[← Back to Deployments](#) [Refresh](#) [Edit](#) [Delete](#) [Get Link](#)

[Details](#) [Models](#) [Images](#)

ATTRIBUTES

| | |
|------------------------|---|
| Description | AKSWS-GUI-1 |
| State | Failed |
| Compute Type | AKS |
| Service ID | aksws-gui-1 |
| Tags | |
| Creation date | 03/13/2019, 12:58:39 PM UTC |
| Last updated | 03/13/2019, 12:58:39 PM UTC |
| Compute name | aks-compute-1 |
| Image ID | aciws-1:1 |
| Scoring URI | <input type="text"/>  |
| Authentication enabled | true |
| Primary key | <input type="text" value="Ashok987654321"/>  Regenerate |
| Secondary key | <input type="text" value="Ashok123456789"/>  Regenerate |
| Scoring timeout | |

CPU 20

Memory 0.5 GB

Autoscale enabled true

Min replicas 2 replicas

Max replicas 4 replicas

Target utilization 80%

Refresh period 5 seconds

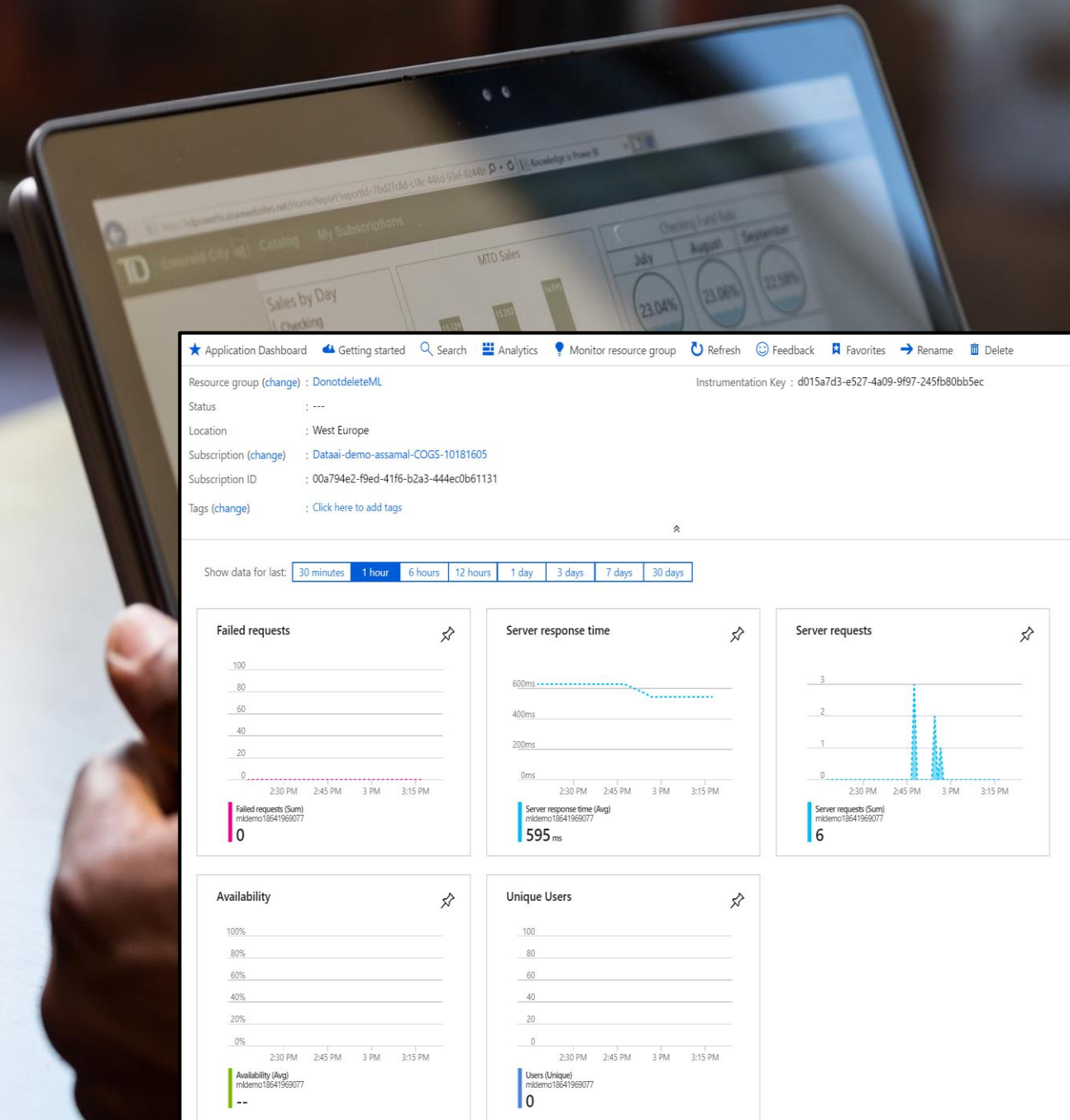
Application Insights enabled true

Event Hub enabled false

Storage enabled true



Accessibility



Diagnostics



Elasticity

MLDEMO1
Machine Learning service workspace

Experiments Pipelines Compute Models Images Deployments Activities

☒ Enable Application Insights diagnostics

☒ Enable Model data collection

☒ Enable Authentication

Primary key

Secondary key

Scoring Timeout

☒ Auto ☐ Static

Min Replicas

Max Replicas

Target Utilization

Refresh Period

Max concurrent requests per container

CPU Reserve Capacity

Memory Reserve Capacity

Dashboard > MLSDemo > MLSDemo

MLSDemo

Machine Learning service workspace

Experiments Pipelines Compute Models Images Deployments Activities

Create Deployment

* Name
DIS-Demo-AI

Description
It is a demo AI project with API URI & Keys

Compute Settings

* Compute Type
AKS

* Compute Resource
AKS-1

^ Advanced Settings

☒ Enable Application Insights diagnostics

☒ Enable Model data collection

☒ Enable Authentication

Primary key
XPHFGSDJDGYJDMLDKMLNDKND

Secondary key
DNBJDBBDNDKENDJEBDUÖEÖEP3E



Security

MLDEMO1
Machine Learning service workspace

Experiments Pipelines Compute Models Images Deployments Activities

Inception_v3_scoring

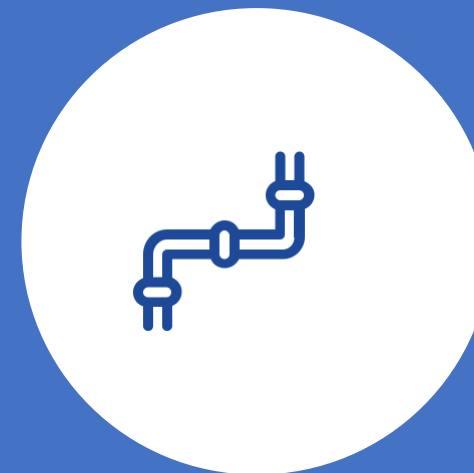
[← Back to Pipelines](#) [↻ Refresh](#) [🔗 Get Link](#) [▶ Run](#)

Details [Graph](#)



| ATTRIBUTES | | SUMMARY | |
|-------------|---------------------------------------|-----------------|---|
| Status | Active | URI | https://westeurope.aether.ms/api/v... |
| Created | Mar 13, 2019 7:28 PM | Total Runs | 2 |
| Total Steps | 1 | Last Run Time | Mar 13, 2019 7:29 PM |
| Description | Batch scoring using Inception v3 m... | Last Run Result | Finished |

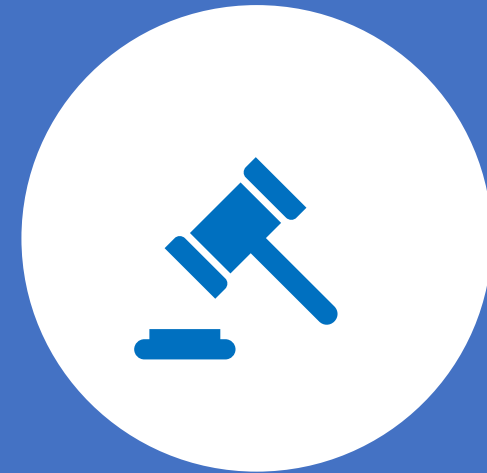
RUNS

| RUN ID | STATUS | START TIME | END TIME | DURATION | RUN SOURCE |
|--|----------|----------------------|----------------------|----------|-------------|
| 003a6649-bc14-4c75-b0d9-a6cb3a9cb31f | Finished | Mar 13, 2019 7:29 PM | Mar 13, 2019 7:29 PM | 0:00:01 | Azure P... |
| c2c20327-066e-4141-a49a-330a3720cf1a | Running | Mar 13, 2019 7:28 PM | | | Unavaila... |



Pipeline & CI/CD

| MLDEMO1 Machine Learning service workspace | | | |
|--|-------------------|-----------|----------------|
| Experiments Pipelines Compute Models Images Deployments <u>Activities</u> | | | |
| Activities | | | |
|  Refresh  Get Link | | | |
| ACTIVITY NAME | TYPE | STATUS | STARTED |
| Inception_v3_scoring_1 | Experiment Run | Completed | 2 minutes ago |
| batch_scoring-2_1 | Experiment Run | Running | 3 minutes ago |
| batch_scoring_1 | Experiment Run | Completed | 26 minutes ago |
| 4a1c9247-f22b-445c-9b5b-593c5a6307a1 | Compute Provision | Completed | 2 hours ago |
| akaws-gui-1 | Service Deploy | Running | 6 hours ago |
| 552cb2da-9878-4522-bf62-843dd0701cd3 | Compute Provision | Completed | 6 hours ago |
| akaws-1 | Service Deploy | Running | 6 hours ago |
| 4b800f3b-4582-428b-9cee-5563cfb237fa | Compute Provision | Completed | 6 hours ago |
| 8ef9a138-16c7-43bb-b2d2-cd4ffe48764c | Compute Provision | Completed | 6 hours ago |
| aciws-1 | Service Deploy | Running | 6 hours ago |
| aciws-1 | Image Build | Running | 6 hours ago |
| Ignite_AI_Talk_1 | Experiment Run | Completed | 6 hours ago |




Audit


Dashboard > Resource groups > DonotdeleteML > mldemo18641969077 - Alerts > Create rule

Create rule

Rules management






* RESOURCE

 aks-compute-147d279646

Select

HIERARCHY


 Dataai-demo-assamal-COGS-10181605 >  DonotdeleteML



* CONDITION

No condition defined, click on 'Add condition' to select a signal and define its logic

Add condition



ACTION GROUPS

Notify your team via email and text messages or automate actions using webhooks, runbooks, functions, logic apps or integrating with external ITSM solutions. Learn more [here](#)

ACTION GROUP NAME


ACTION GROUP TYPE

No action group selected

Select existing

Create New

ALERT DETAILS

* Alert rule name 

Specify alert rule name. Sample: 'Percentage CPU greater than 70'

* Description

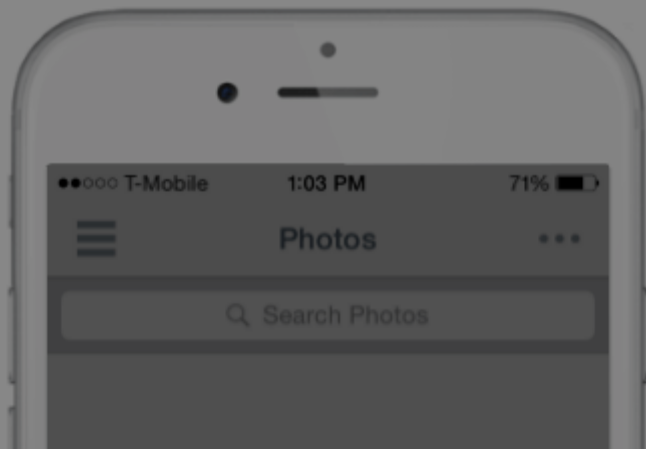
Specify alert description here...

Enable rule upon creation

Yes

No

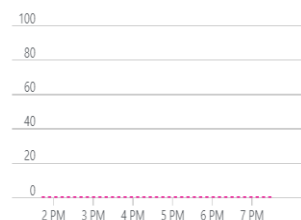
Alert



Latency

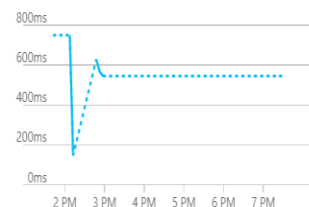
Show data for last: 30 minutes 1 hour 6 hours 12 hours 1 day 3 days 7 days 30 days

Failed requests



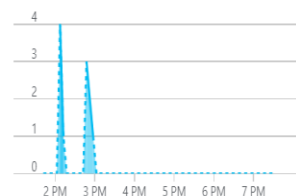
Failed requests (Sum)
midemo18641969077
0

Server response time



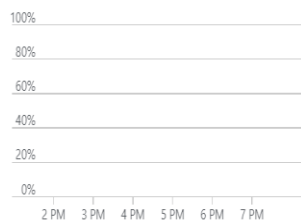
Server response time (Avg)
midemo18641969077
610.64ms

Server requests



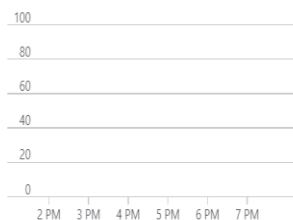
Server requests (Sum)
midemo18641969077
11

Availability



Availability (Avg)
midemo18641969077
--

Unique Users



Users (Unique)
midemo18641969077
0

→ Move Delete Update

Resource group (change) : donotdeleteml Login server : mldemo10560479236.azurecr.io
Location : West Europe Creation date : 3/13/2019, 11:25 AM GMT+1
Subscription (change) : Dataai-demo-assamal-COGS-10181605 SKU : Basic
Subscription ID : 00a794e2-f9ed-41f6-b2a3-444ec0b61131 Provisioning state : Succeeded

Usage

| | | |
|-----------------|----------|--------------------|
| Included in SKU | Used | Additional storage |
| 10.0 GiB | 3.80 GiB | 0.00 GiB |

ACR Tasks

Build, Run, Push and Patch containers in Azure with ACR Tasks. Tasks supports Windows, Linux and ARM with QEMU.

[Learn more](#)

Container security integrations

Aqua Security

Aqua provides development-to-production lifecycle controls for securing containerized applications.

[Azure Marketplace](#)

Twistlock

Providing vulnerability management and runtime protection across your environments.

[Azure Marketplace](#)

Registry metrics

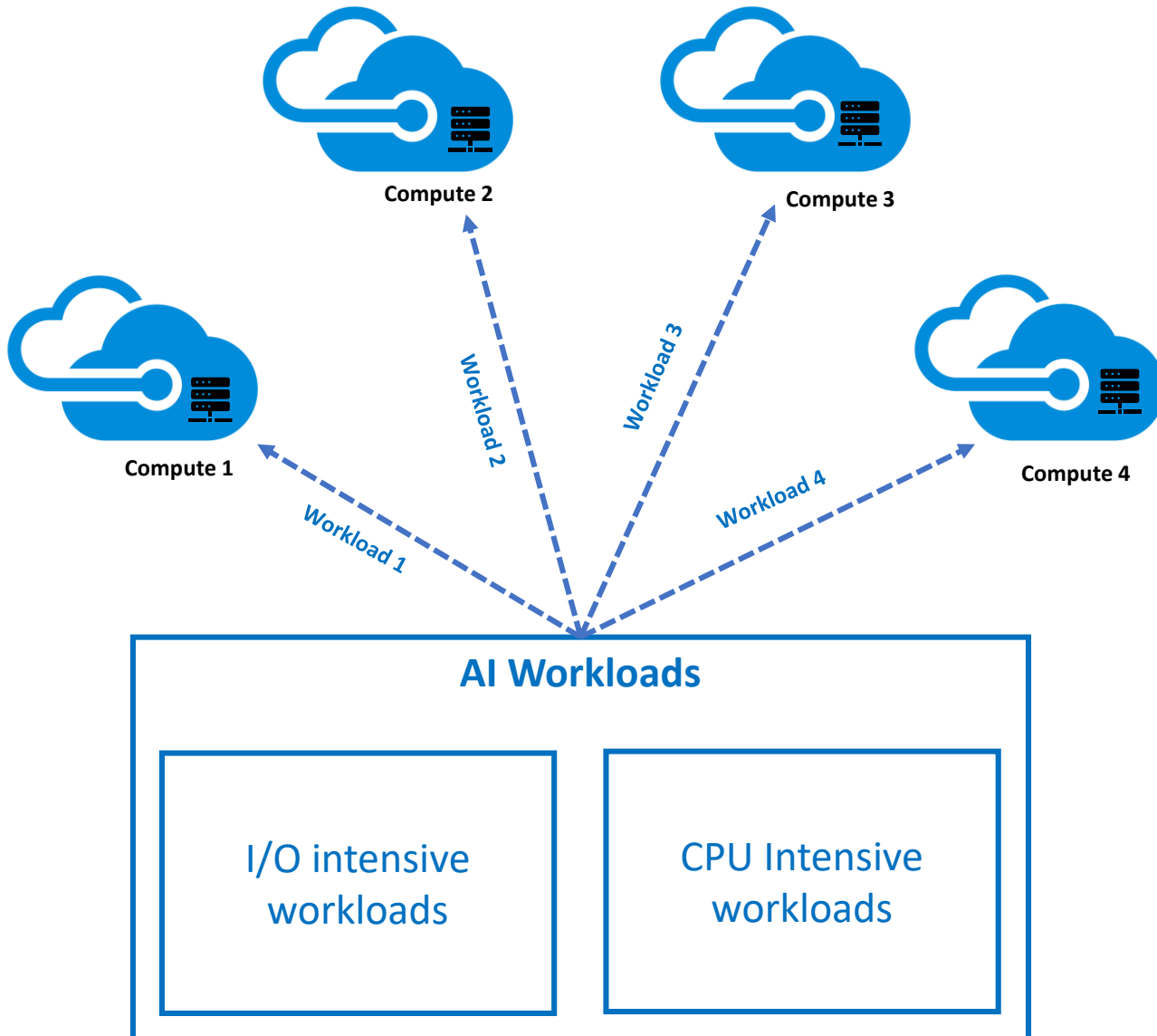
Show data for time period ⓘ

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



Portability

Another point to take care of...



Data Engineering VS. Data Scientist

Thank You !



**Ashok S (Azure, BigData, IoT, MI,
AI, BoT)**

Strategist, Speaker, Leader, Solution Architect
(Data & AI) , Western Europe at Microsoft

