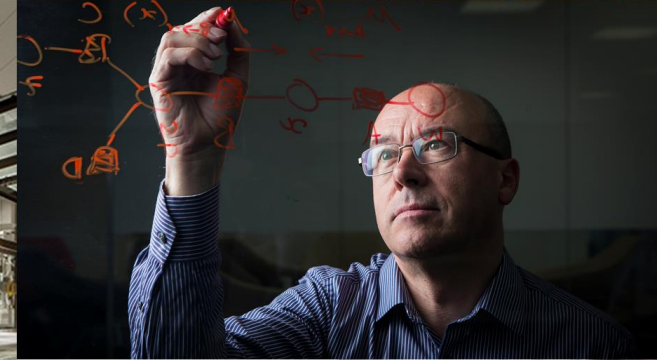
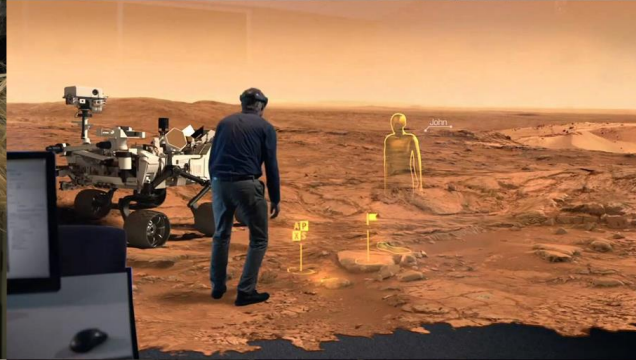
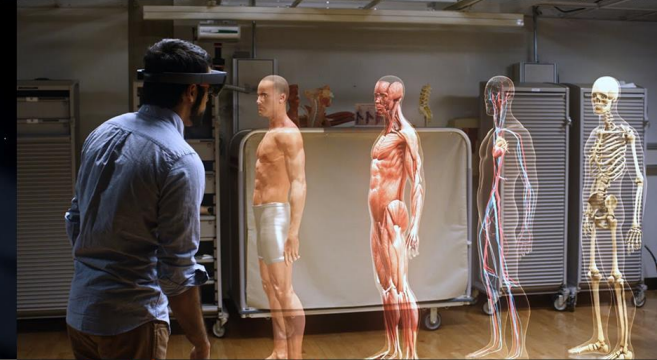
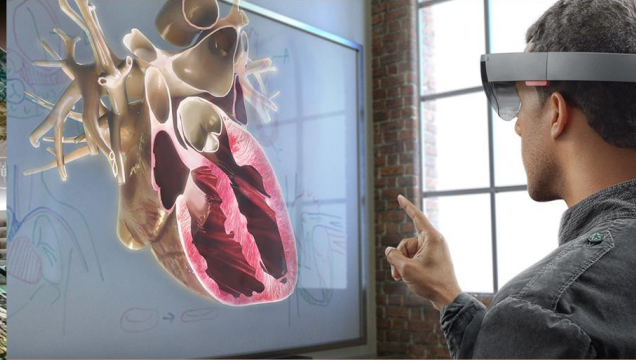




Make your ML / AI production ready !

Ashok Samal
Microsoft, WE

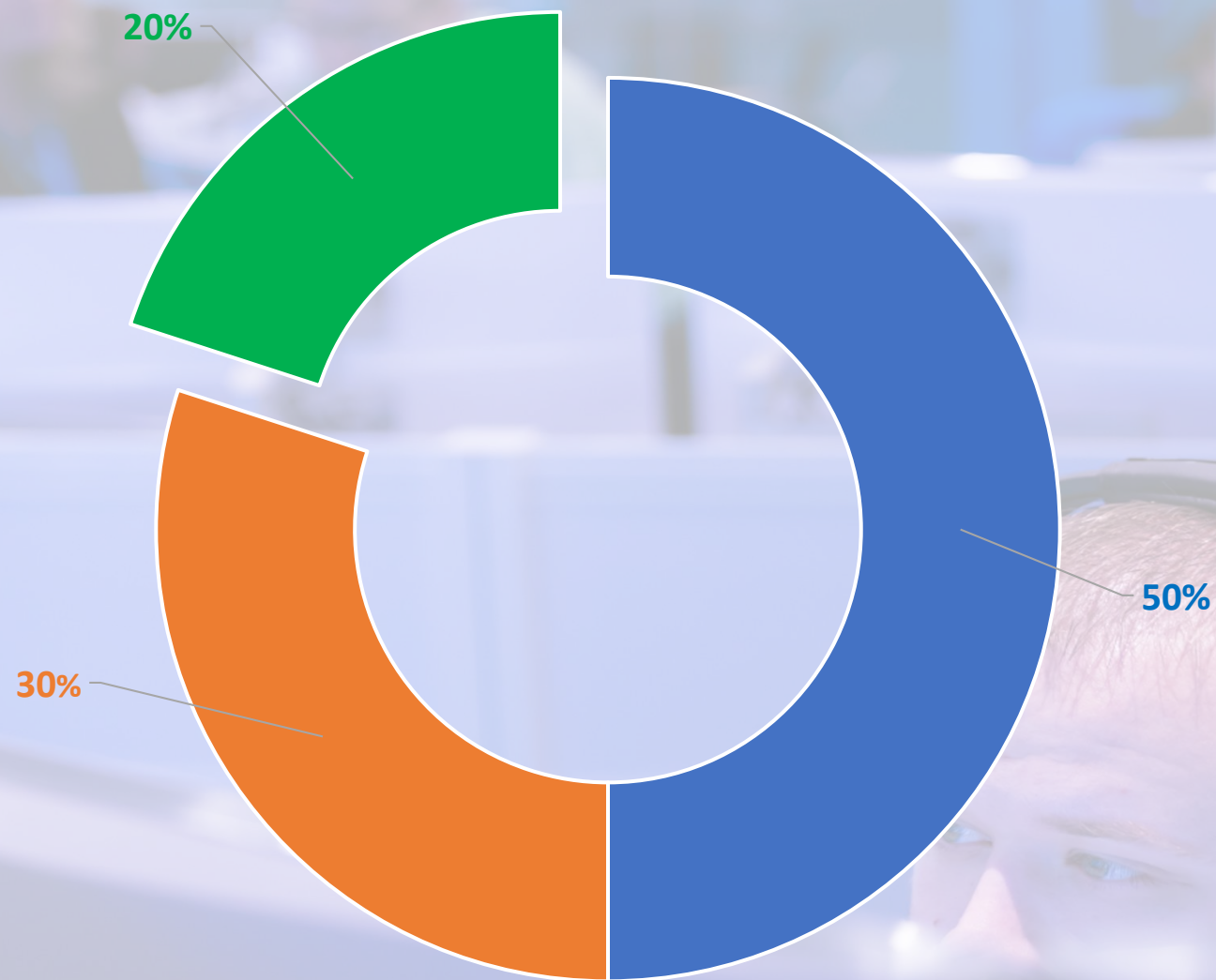


Across Europe



■ Models running in production ■ Still figuring out

Across Europe



■ Not ready for production

■ Still figuring out

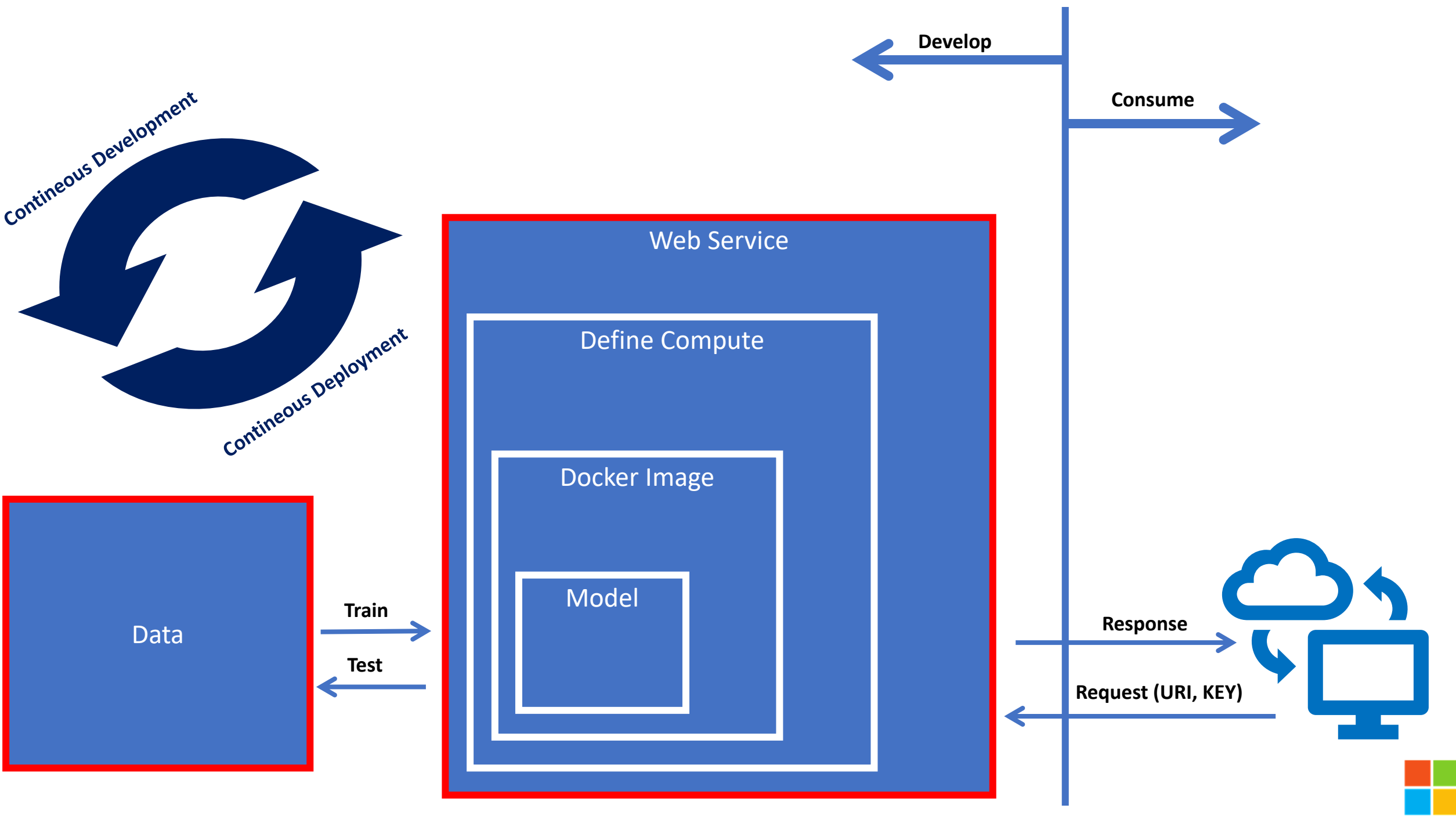
■ Production ready



Accessibility



Accessibility



aksws-gui-1

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

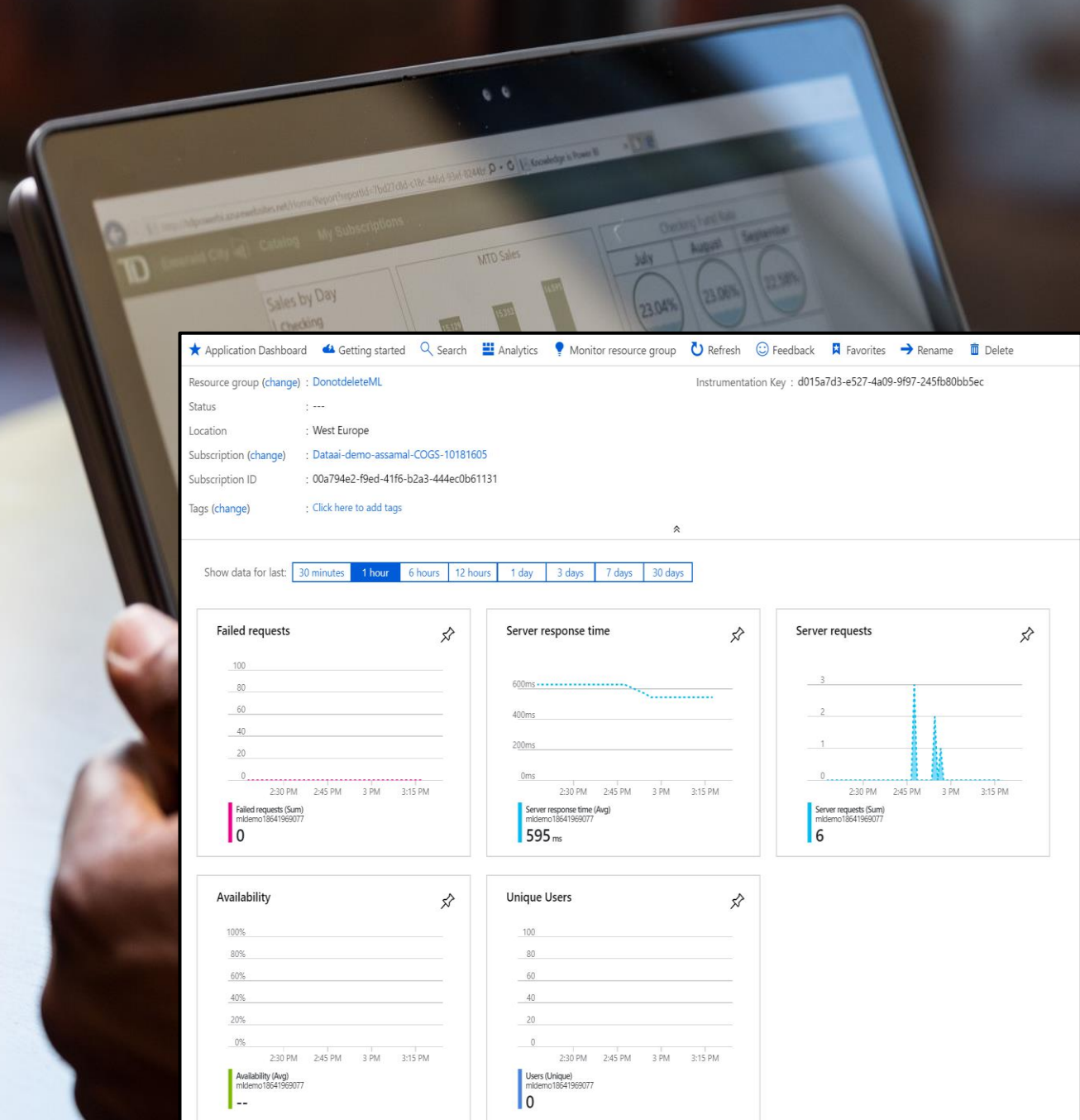
[Details](#) [Models](#) [Images](#)

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

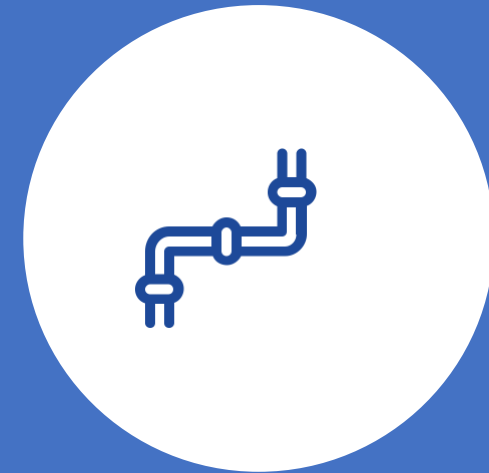
[← Back to Pipelines](#) [Refresh](#) [Get Link](#) [▶ Run](#)

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

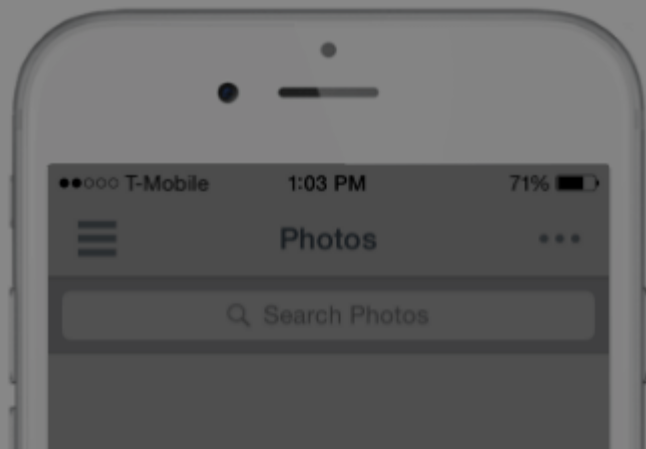
Specify alert description here...

Enable rule upon creation

Yes

No

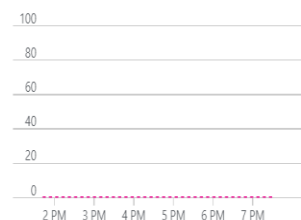
Alert



Latency

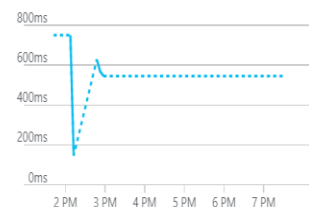
Show data for last: 30 minutes 1 hour 6 hours 12 hours 1 day 3 days 7 days 30 days

Failed requests



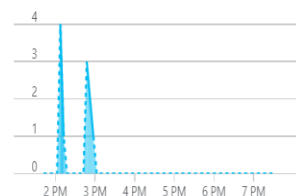
Failed requests (Sum)
midemo18641969077
0

Server response time



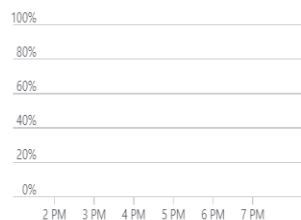
Server response time (Avg)
midemo18641969077
610.64ms

Server requests



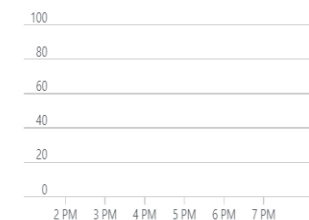
Server requests (Sum)
midemo18641969077
11

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

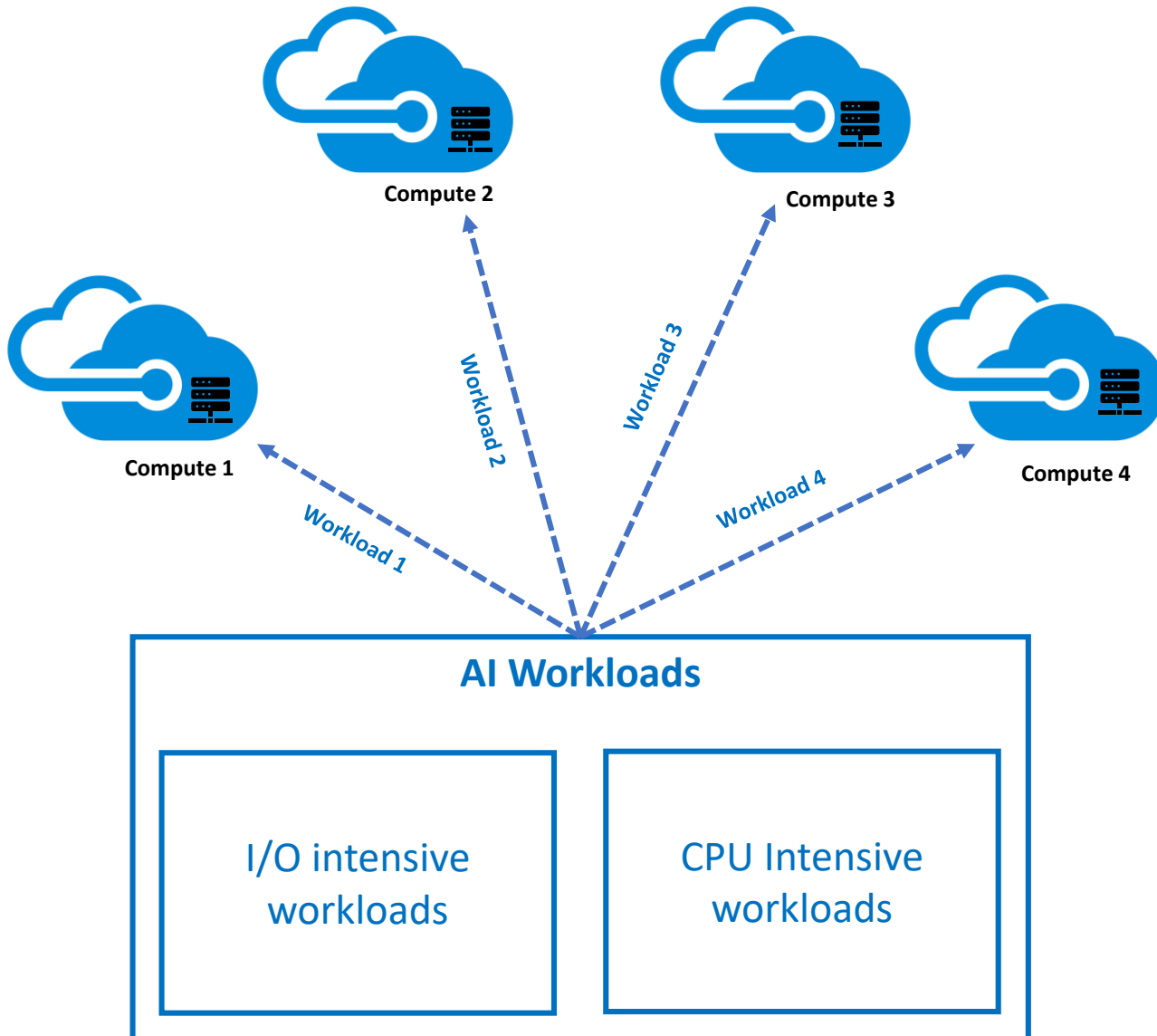
Show data for time period ⓘ

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

