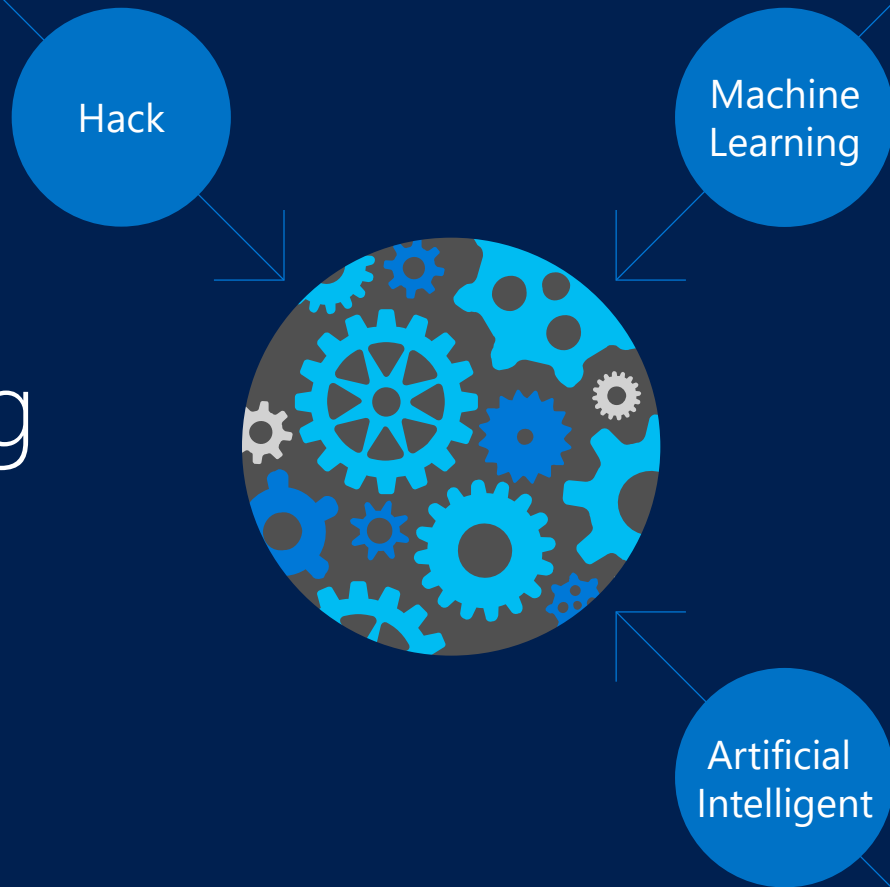


Azure ML Service - Hackfest in Beijing

金大宇 / Microsoft Korea
daewoo.kim@Microsoft.com



From Scratch to Deploy

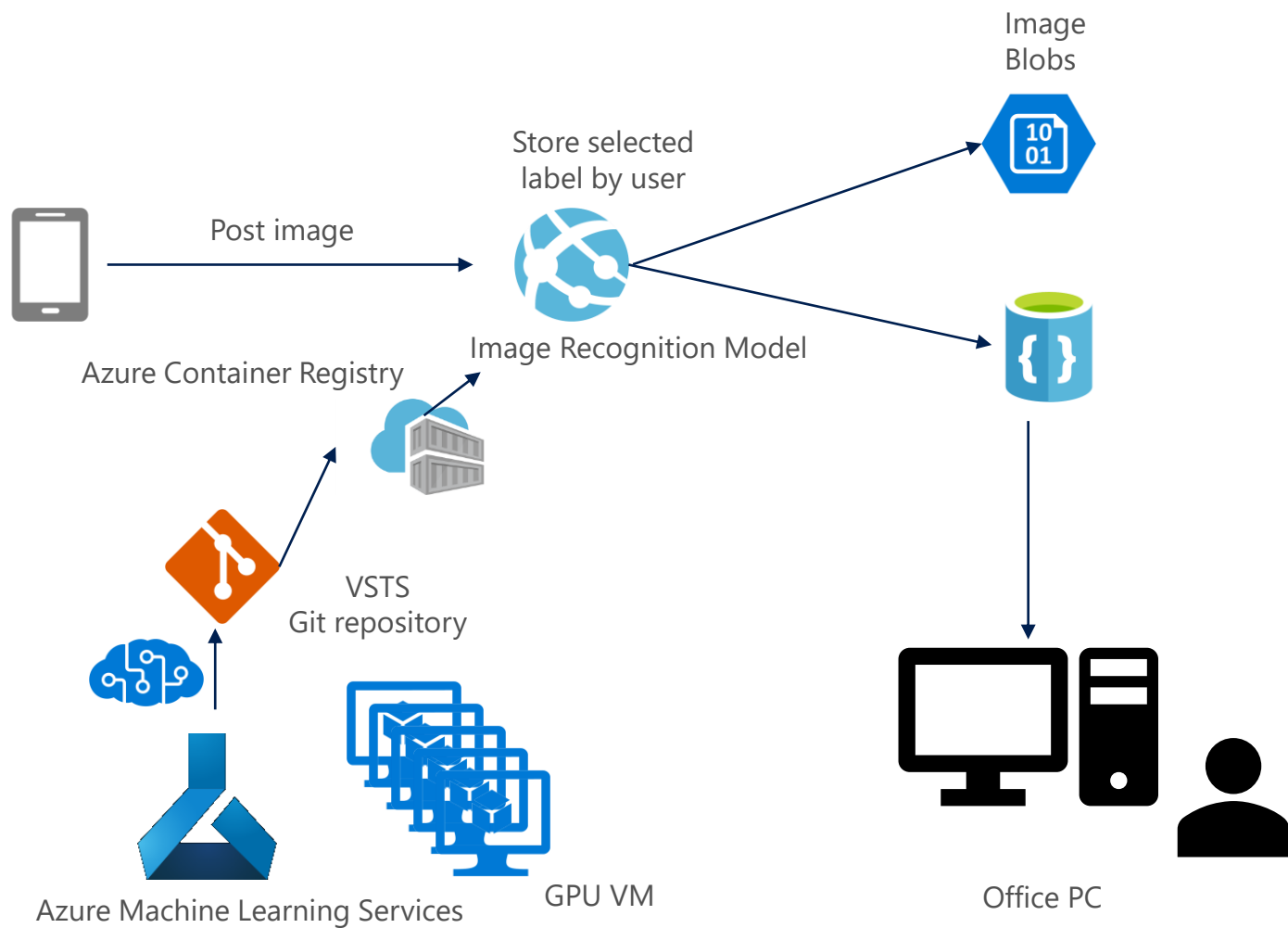
Data Prep.

Model
Training

GPU Env.

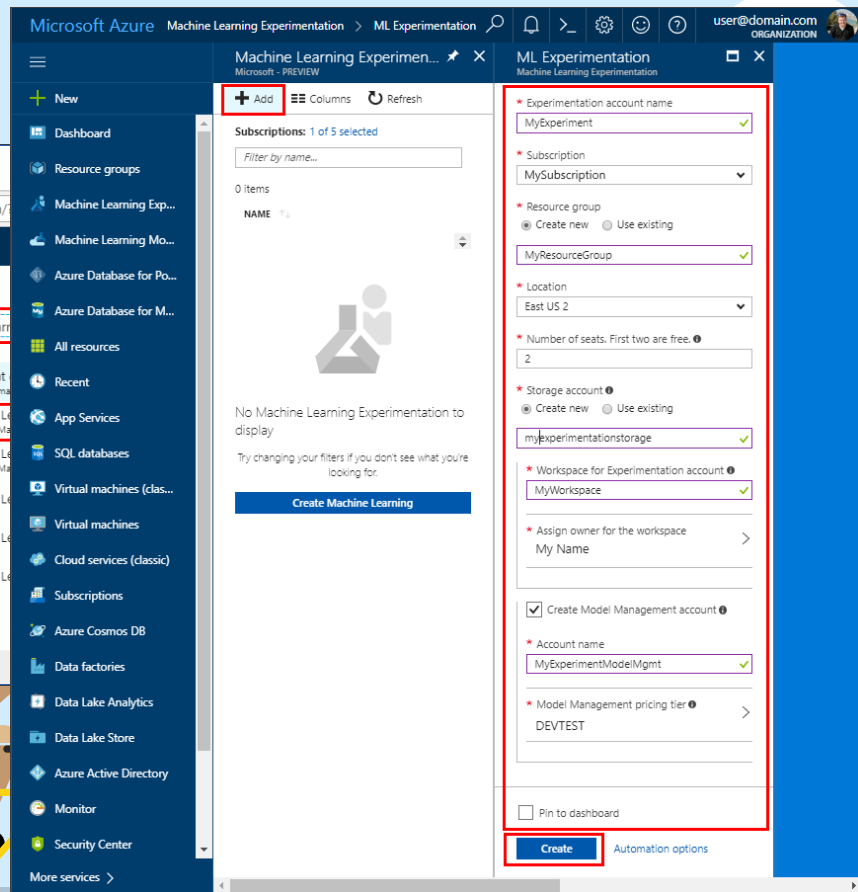
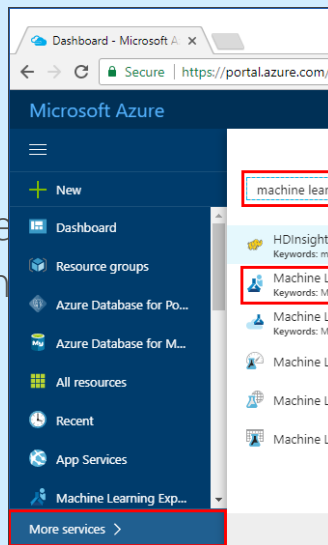
Deploy

Production



Model Training

- Azure Machine Learning Experimentation
- Azure Machine Learning Workbench



Multi GPU machine in workbench

- Variables
 - Keras pre-trained models
 - InceptionResNetV2
 - Xception
 - VGG19
 - ResNet50
 - InceptionV3
 - Data Augmentation
 - Unbalanced correction
 - Optimizer
 - Activation function



hackfest

aml-keras-image-r...

Search Runs

All Runs

2017/12/1 15:19:14

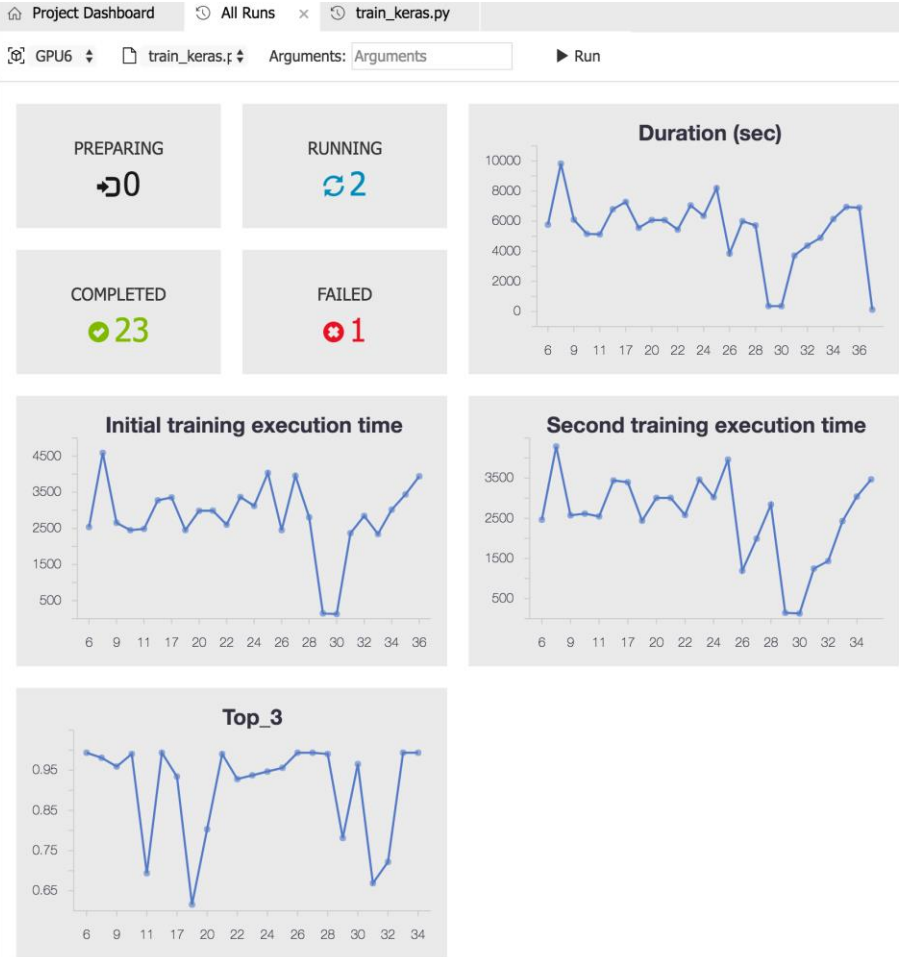
26

train_keras.py

2017/12/1 15:19:14

26

YM



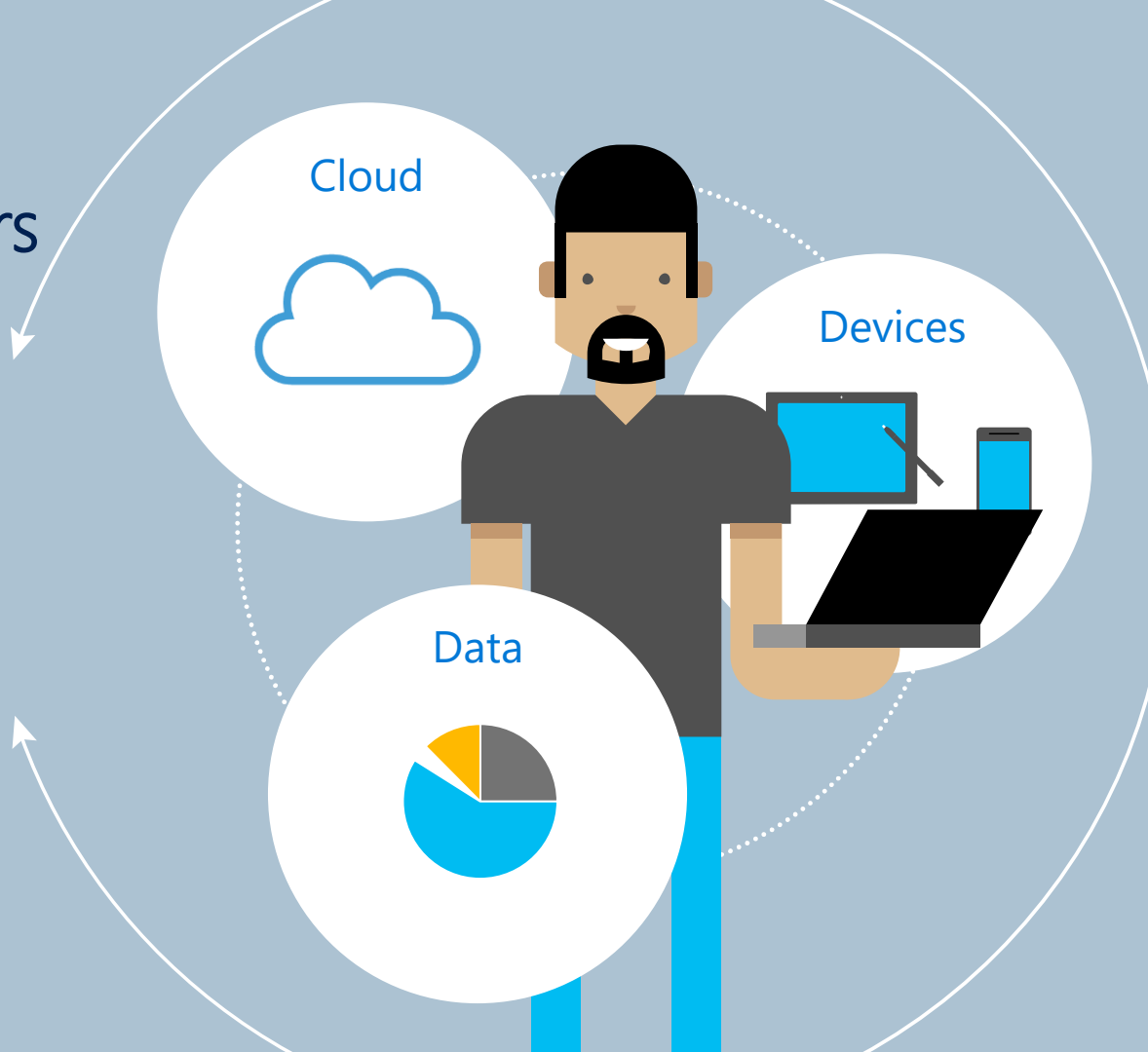
Jobs

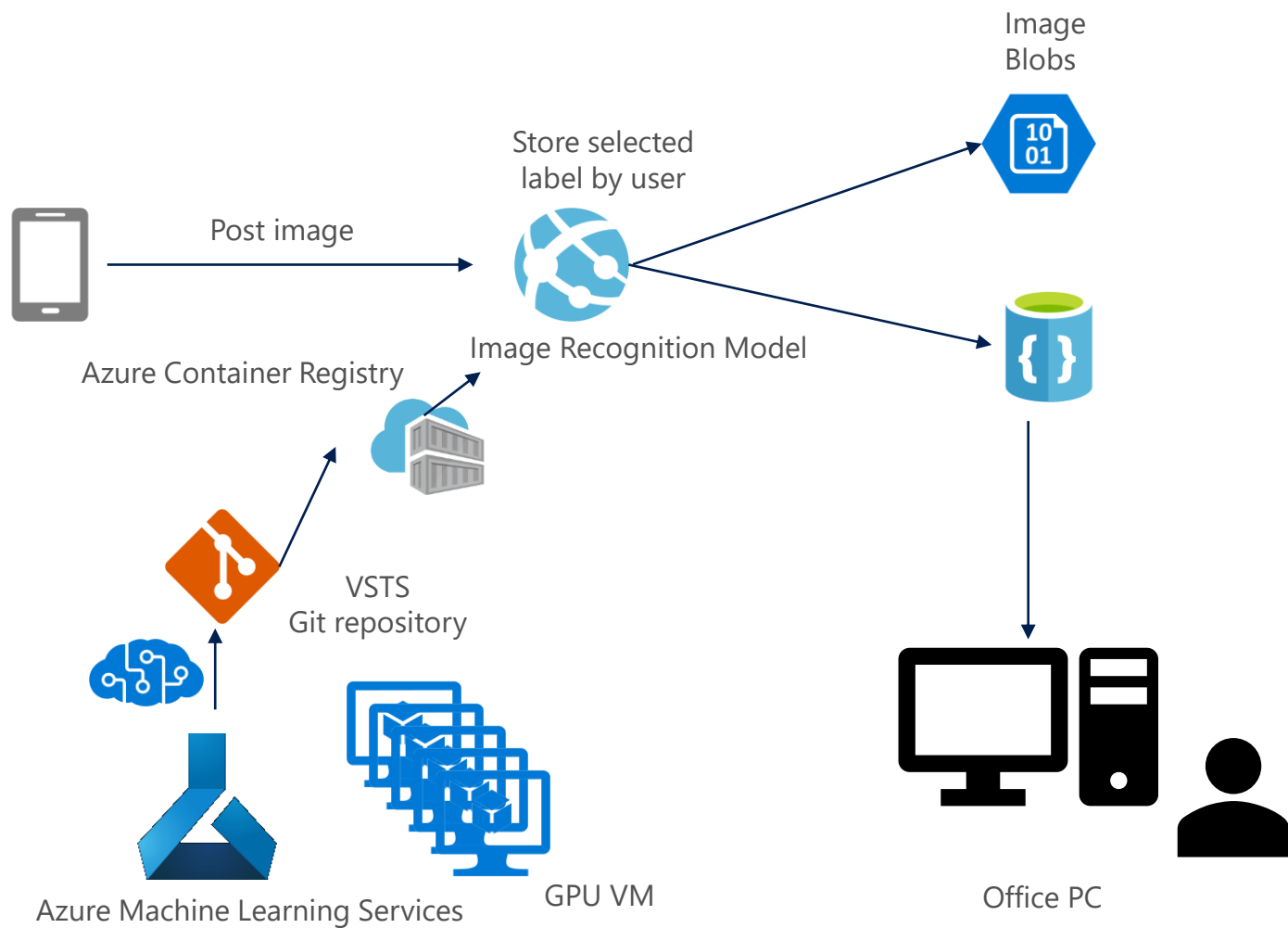
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train_keras.py [34]	Completed	Today at 4:23 PM
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Dismiss All Finished

Deploy Web app for Containers

- Staging
- Scaling
- PaaS
- Python
- Docker
- ...







Q&A