

Microsoft Azure Overview

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learn.microsoft.com/en-us/users/nholuong-0040/credentials/certifications?tab=credentials-tab

Activity 4 items Sorted by expiration date ↓

Training

Plans

Challenges

Credentials

Q&A

Achievements

Collections

Transcript

CERTIFICATION
Microsoft Certified: DevOps Engineer Expert
Expires on June 15, 2025 at 6:59 AM (UTC +07:00) • Earned on June 14, 2024
[View certification details](#)

CERTIFICATION
Microsoft Certified: Azure Solutions Architect Expert
Expires on June 15, 2025 at 6:59 AM (UTC +07:00) • Earned on June 14, 2024
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CERTIFICATION
Microsoft Certified: Azure Administrator Associate
Expires on June 15, 2025 at 6:59 AM (UTC +07:00) • Earned on June 14, 2024
[View certification details](#)

CERTIFICATION
Microsoft Certified: Azure Fundamentals
Earned on May 24, 2024
[View certification details](#)



What is the Cloud?



>500m

Azure Active Directory Users

>250k

Active websites

Greater than
1,500,000

SQL Databases in Azure

>777 TRILLION storage transactions per day

>80% Fortune 500 Use Azure

>1.5 TRILLION messages/mo processed by Azure IoT

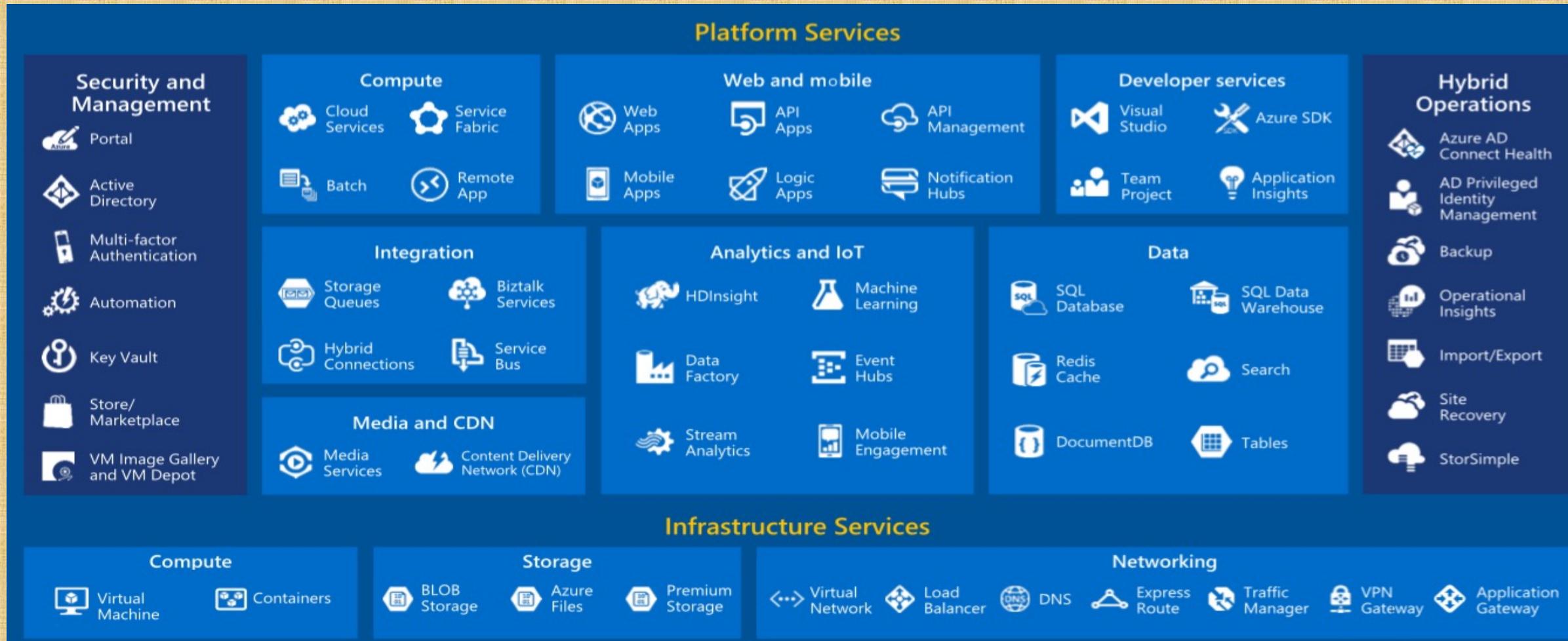
>13 BILLION authentications/wk

>1 MILLION Developers registered with Visual Studio Online

Azure Regions



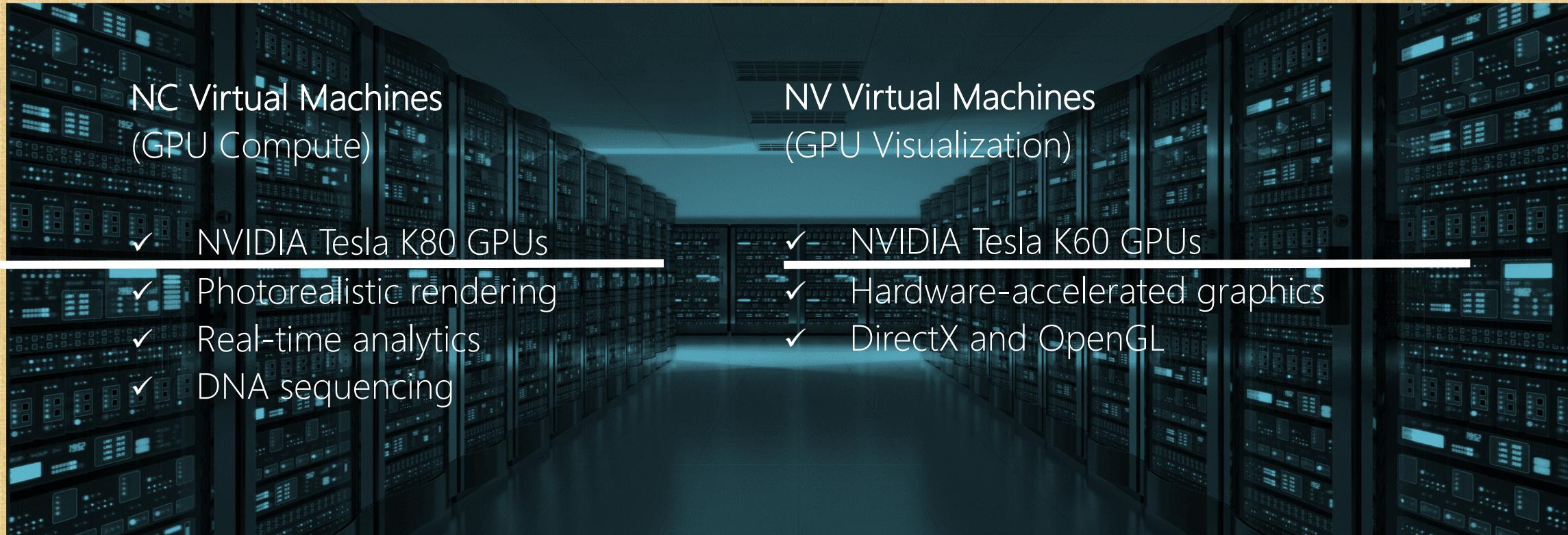
Azure Services



Microsoft ❤️ Linux

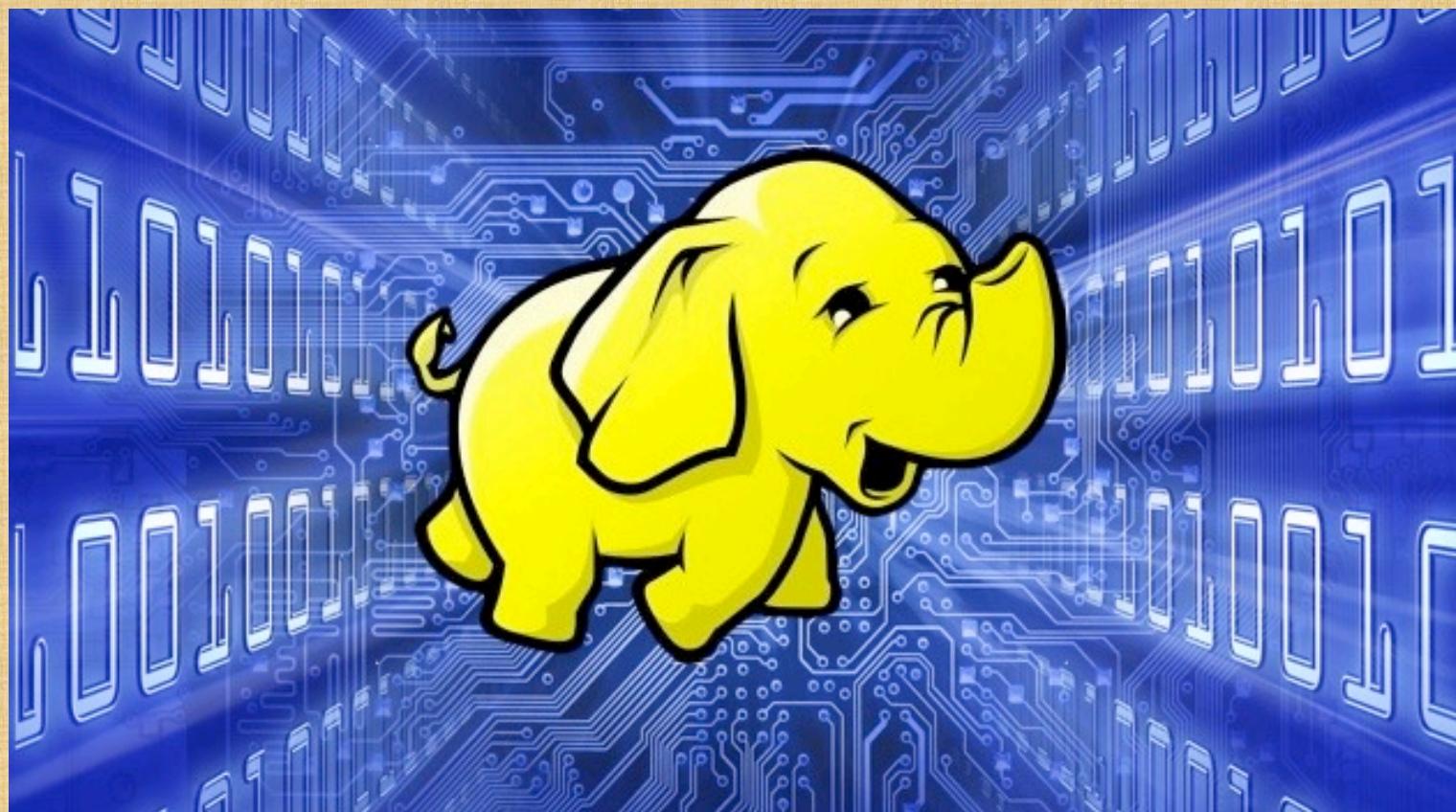
Crunch Numbers with NVIDIA GPUs

Use **Azure N-Series VMs** equipped with NVIDIA GPUs for numerically intensive tasks and RDMA over InfiniBand to scale out across multiple VMs



Tame Big Data with Hadoop and Spark

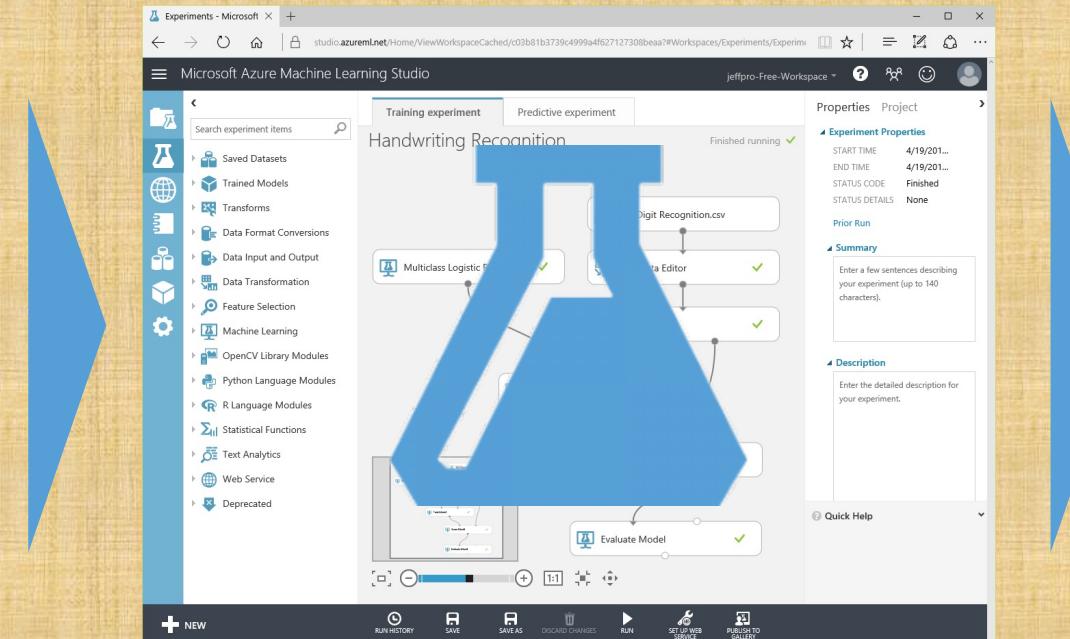
Spin up an **Azure HDInsight** cluster with Apache Hadoop or Apache Spark and process large data sets in parallel



Perform Real-Time Fraud Detection

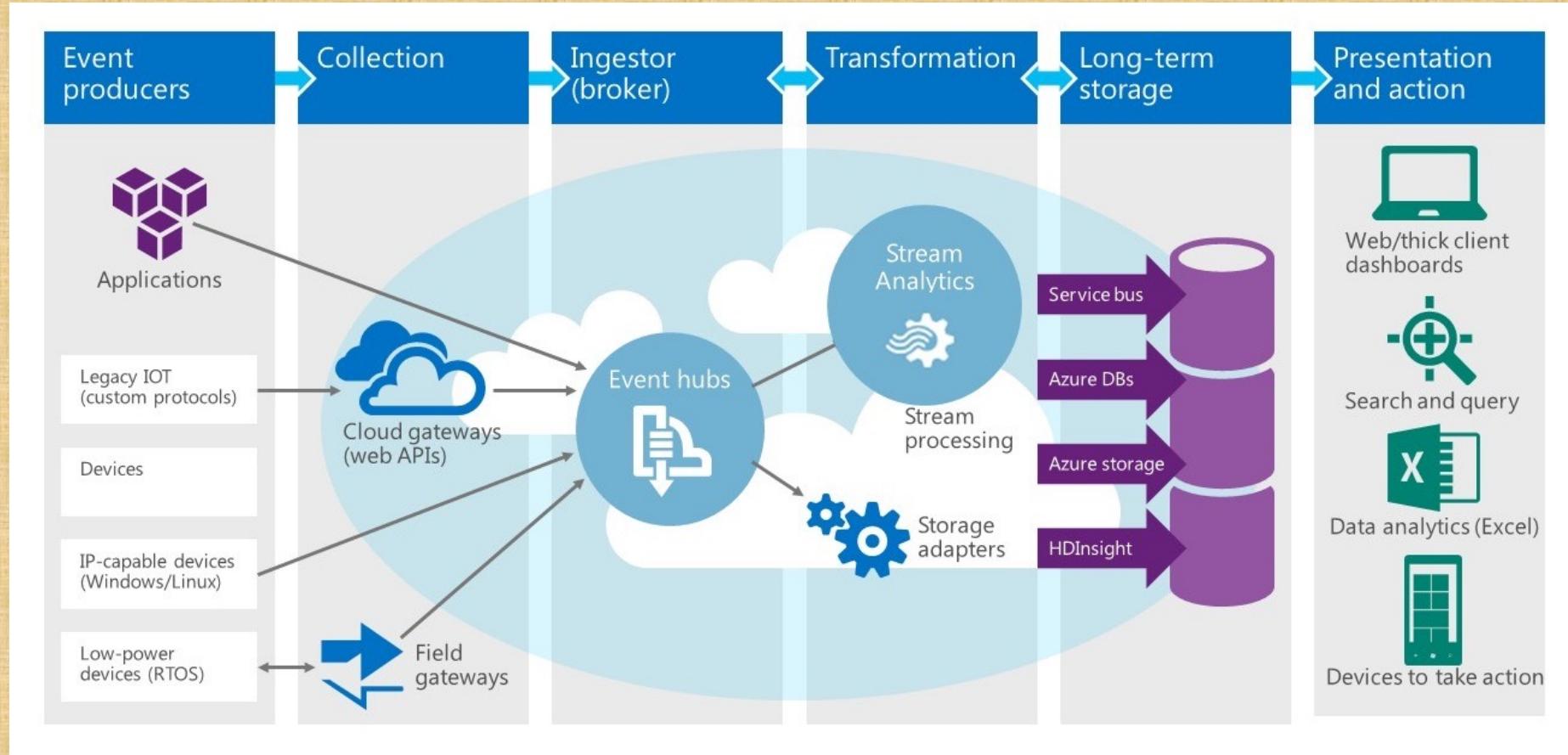
Train a model with **Azure Machine Learning** and use that model to classify credit-card transactions as fraudulent or not fraudulent

Feature	Value
Name	Bill Gates
Age	60
Gender	Male
Amount	\$352.00
Purchased	Software
Location	Redmond, WA
Time	3:15 p.m.
...	...



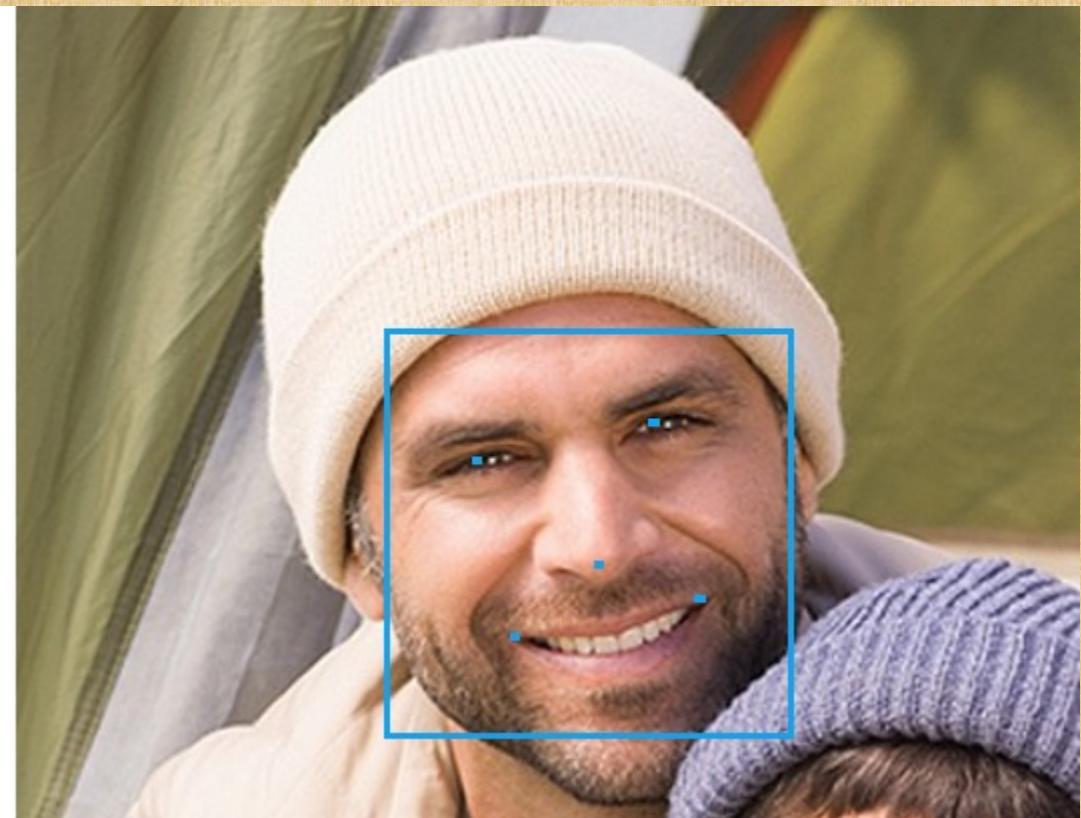
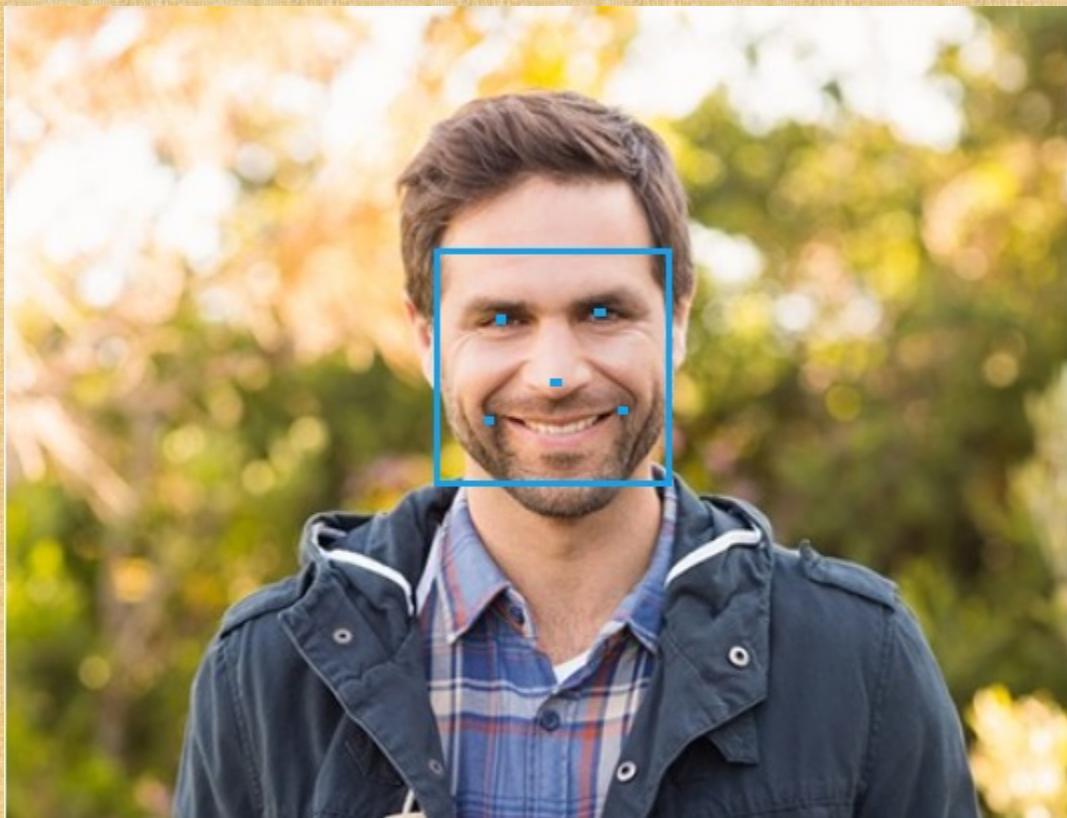
Process Data from IoT Devices

Combine Azure Event/IoT Hubs and **Azure Stream Analytics**
to analyze data streams from Internet-of-Things devices in real time



Identify Faces in Photographs

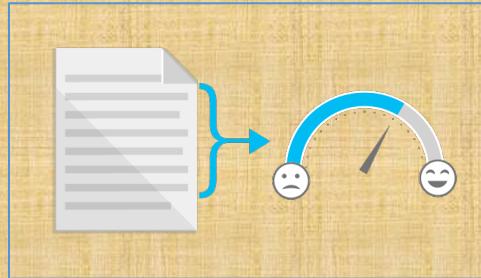
Use the Cognitive Services **Face API** to compare faces, identify faces, search for similar faces, and more



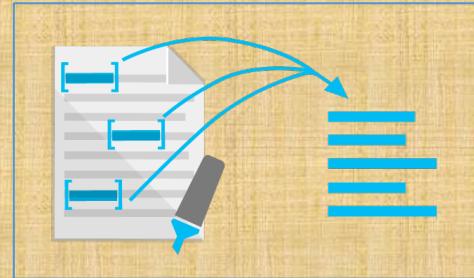
Perform Sentiment Analysis

Use the Cognitive Services **Text Analytics API**
to analyze sentiment in text files, Twitter feeds, and other sources

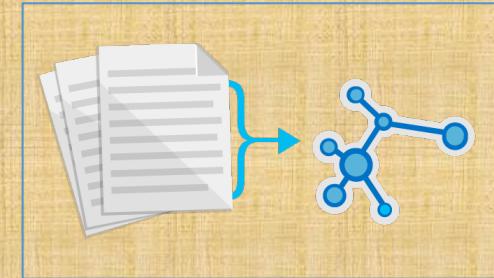
Sentiment Analysis



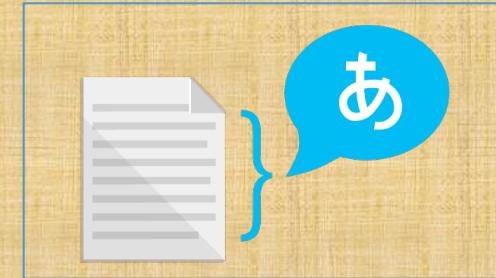
Key Phrase Extraction



Topic Detection



Language Detection

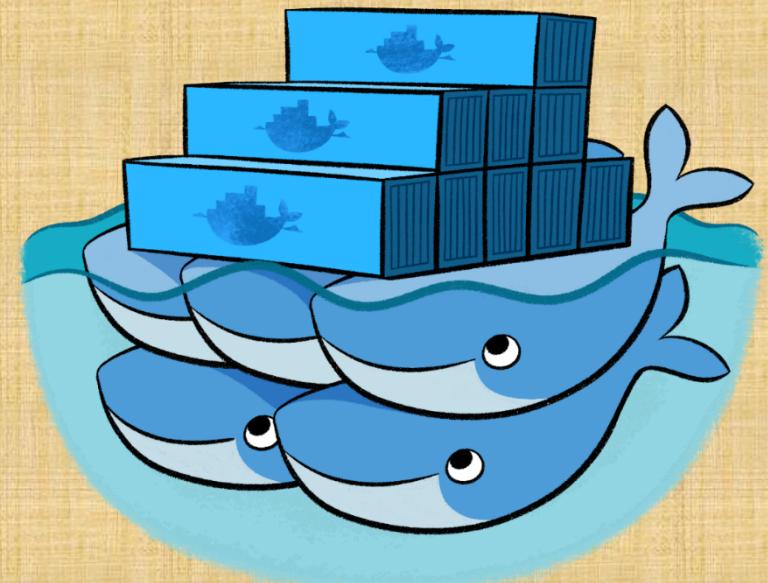
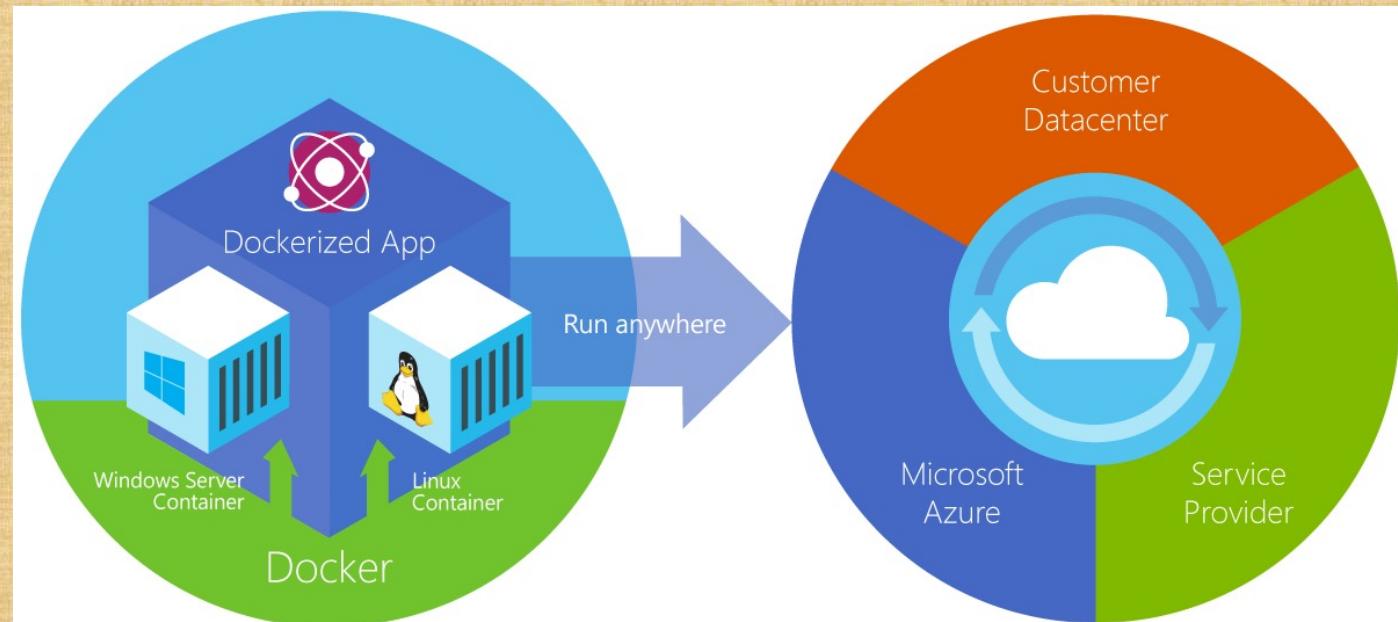


“Thanks to Text Analytics...we are able to incorporate guest sentiment into our actionable guest feedback platform that delivers a comprehensive view of guest satisfaction and server performance.”

— Al Pappa, Head of Business Intelligence, Ziosk

Run Docker Containers

Deploy Dockerized apps to the **Azure Container Service** and run Docker containers in the cloud, and use Docker Swarm or DC/OS for orchestration



Azure Portal

<https://portal.azure.com>



Thank You