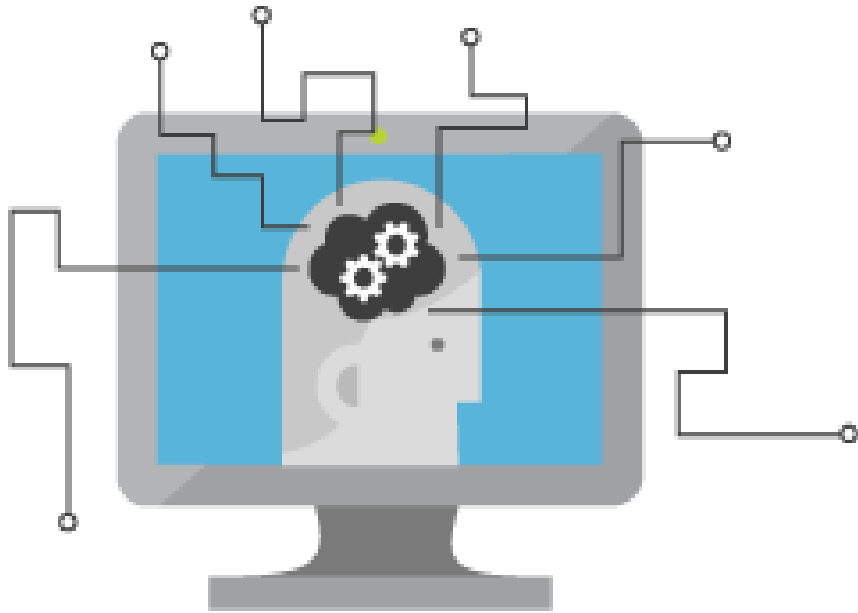


Microsoft Azure Machine Learning

Andrew Fryer
Technical Evangelist
Microsoft



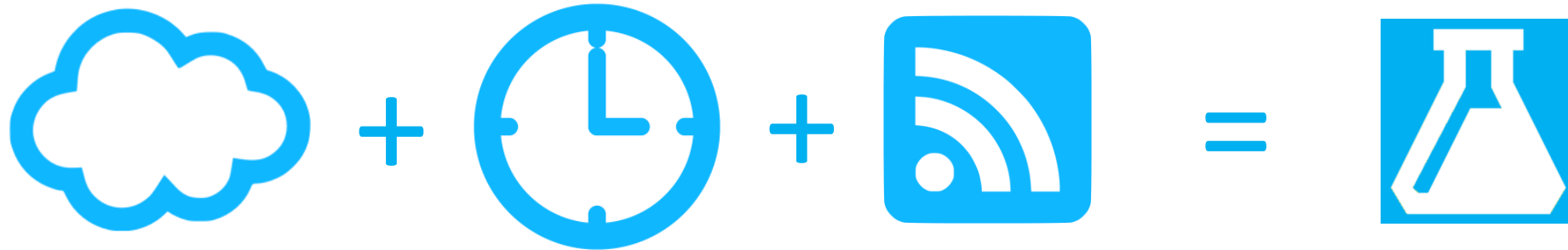
What is Machine Learning (ML)



Computing Systems that become smarter with **Experience**

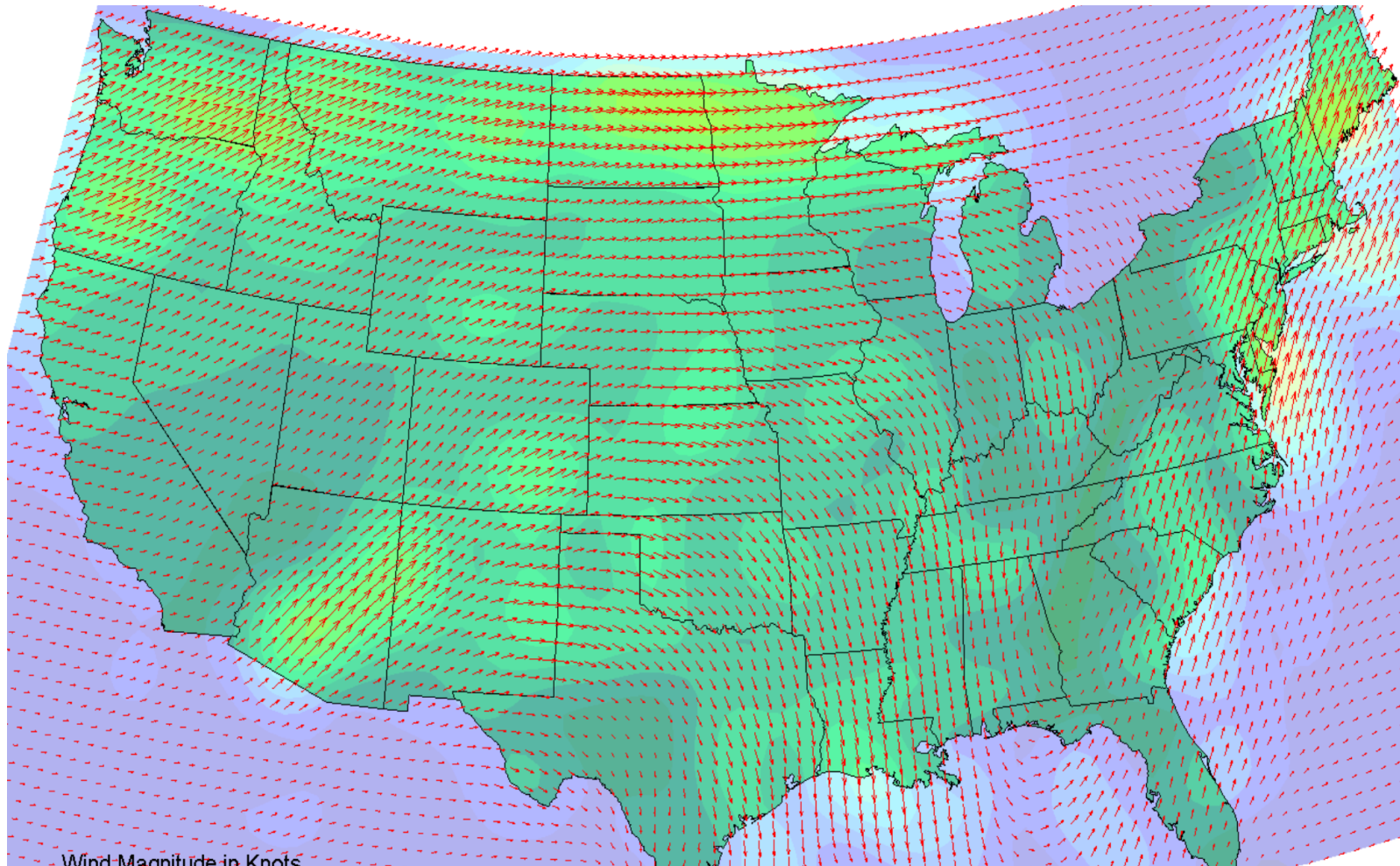
Experience = Past Data + Human Input

Why Now?

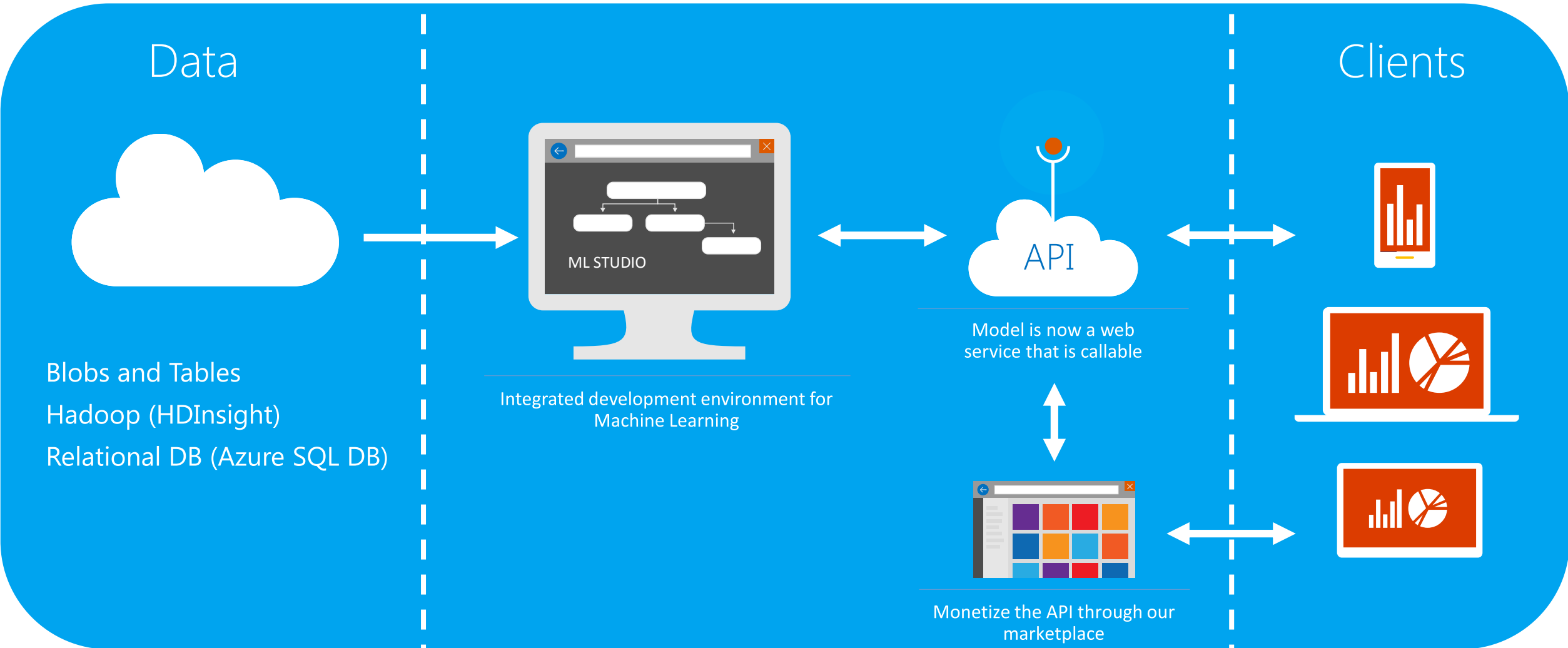


WindFlow

<http://windflow.azurewebsites.net/>



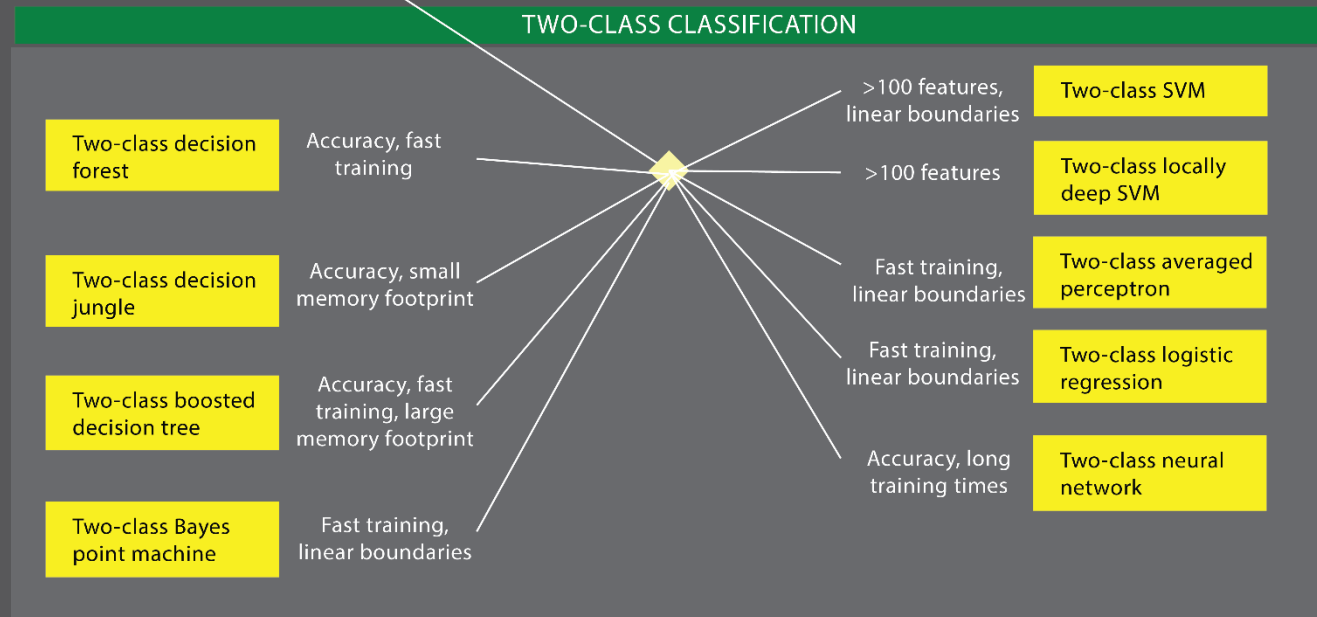
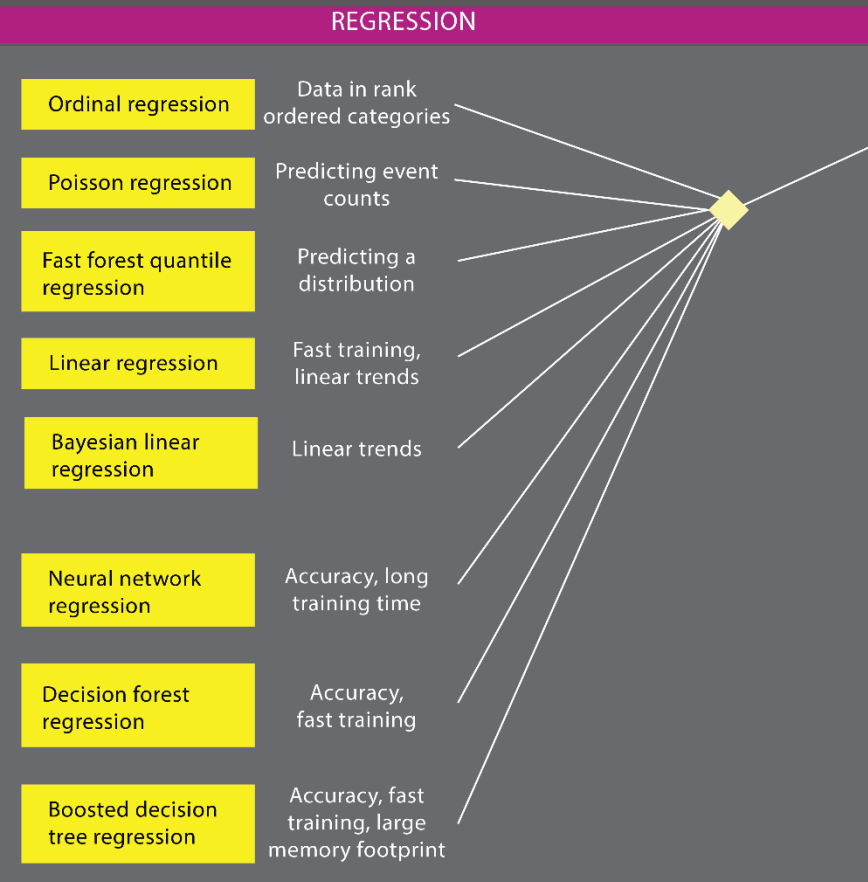
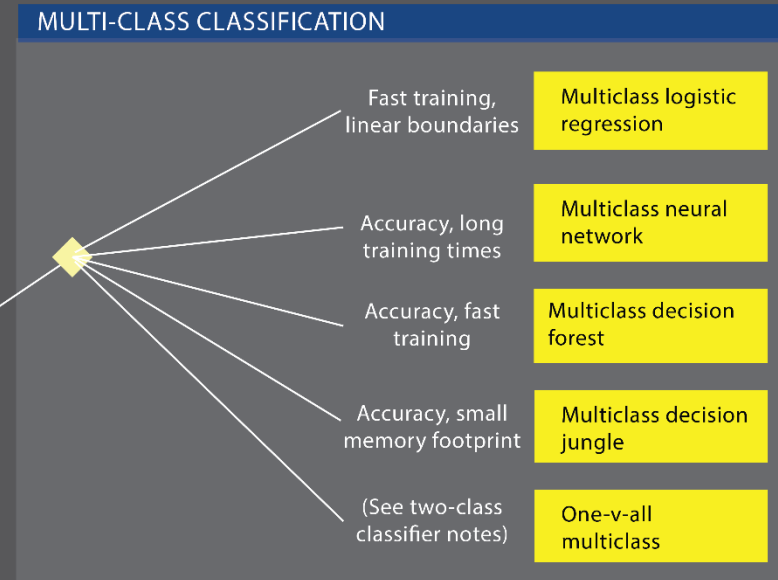
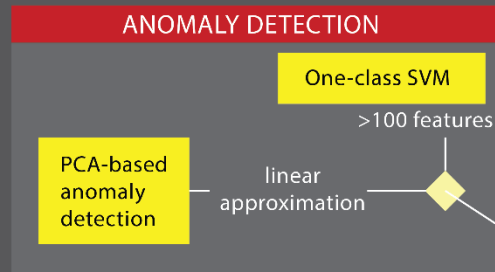
What is Azure Machine Learning





Microsoft Azure Machine Learning: Algorithm Cheat Sheet

This cheat sheet helps you choose the best Azure Machine Learning Studio algorithm for your predictive analytics solution. Your decision is driven by both the nature of your data and the question you're trying to answer.



Azure Data Journeys

Other Data Services Available on Azure



Cortana Analytics Suite

IoT

Feeds

Data Sources

Orchestration

Service bus



Event Hub



Data Factory



Visualisation

Power BI



Compute

Stream Analytics



HD Insight



Machine Learning



SQL Data Warehouse

Virtual Machines



Storage

Table Storage



Blob Storage



SQL Azure



Data Lake



Document DB

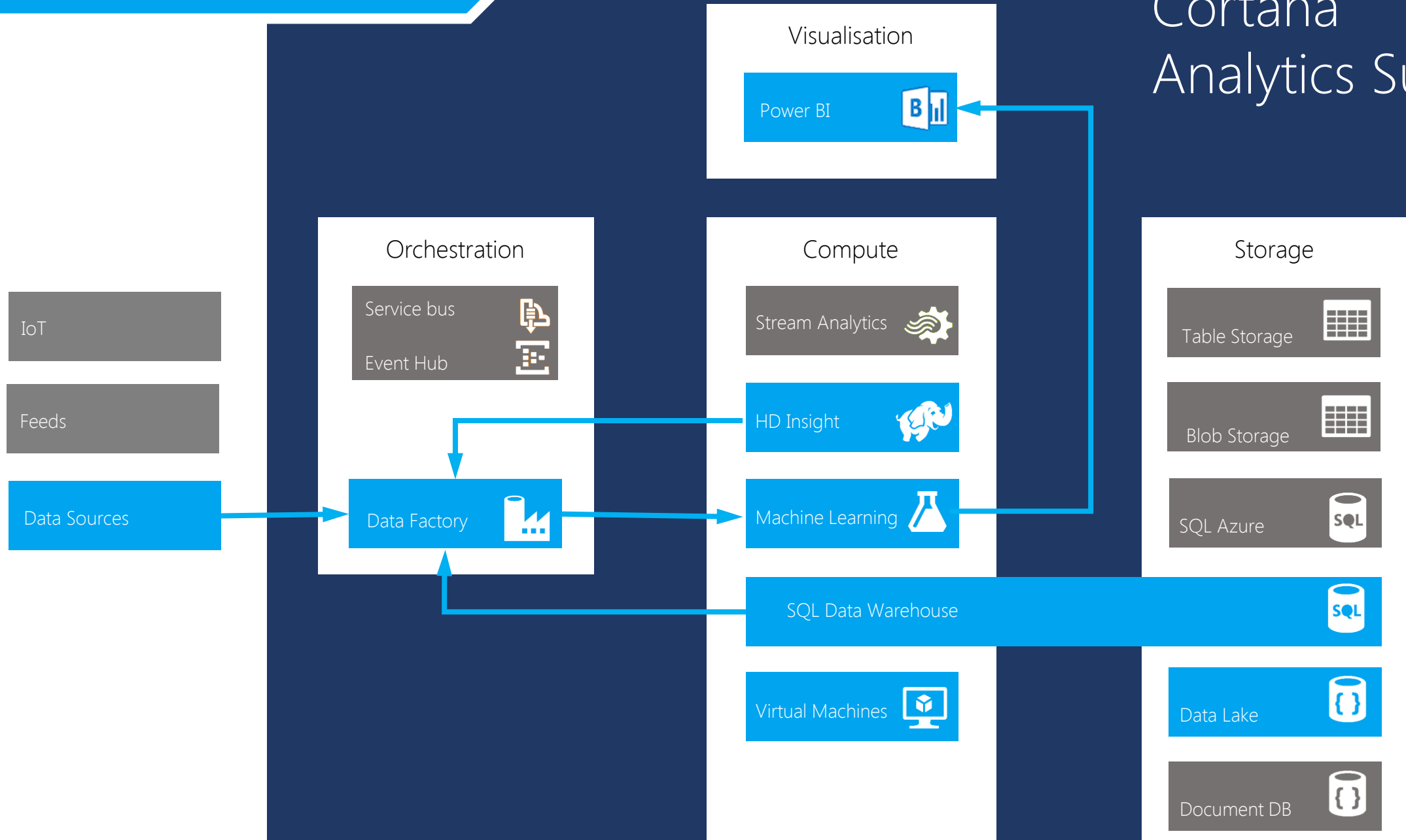


Document DB



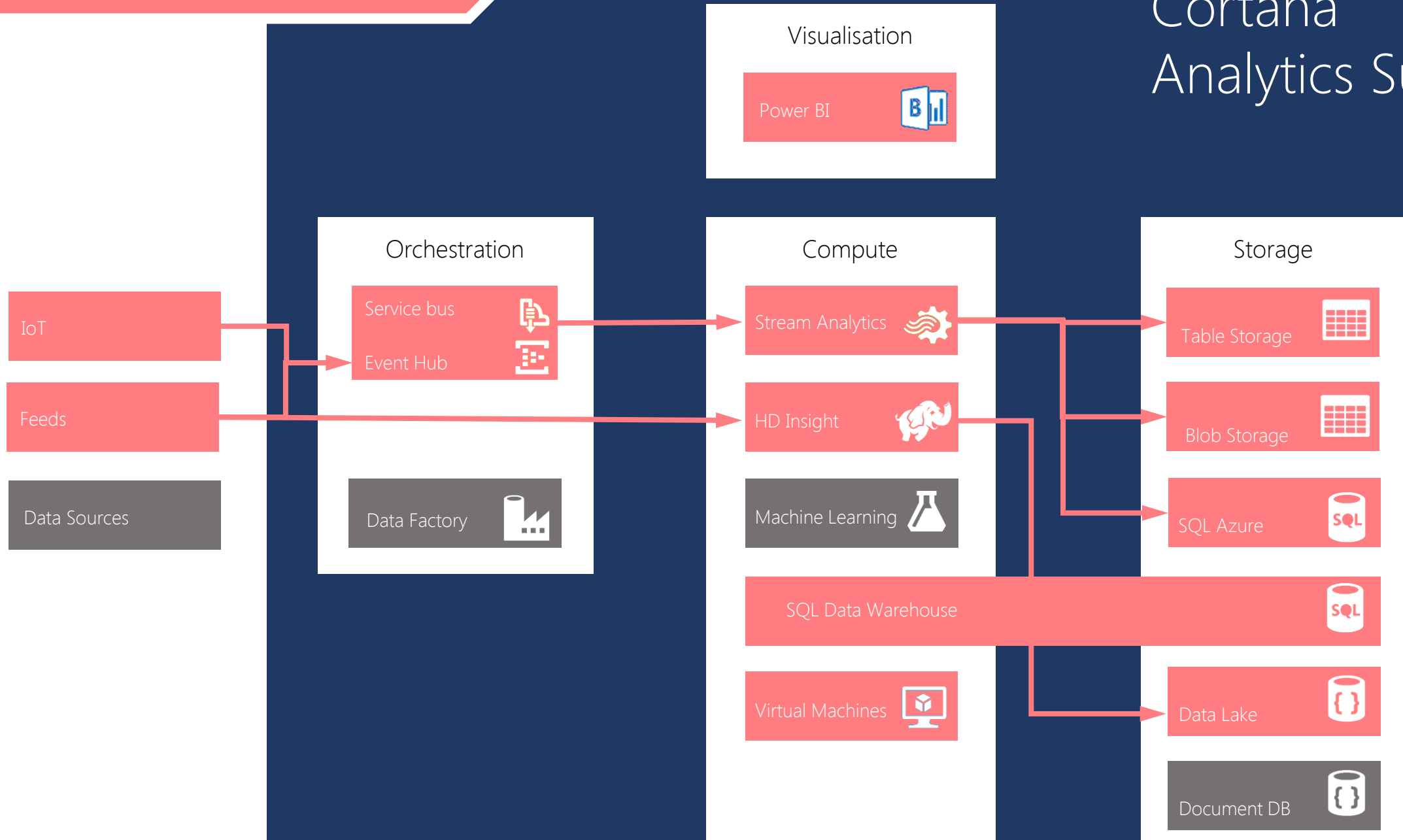
Predictive Analytics

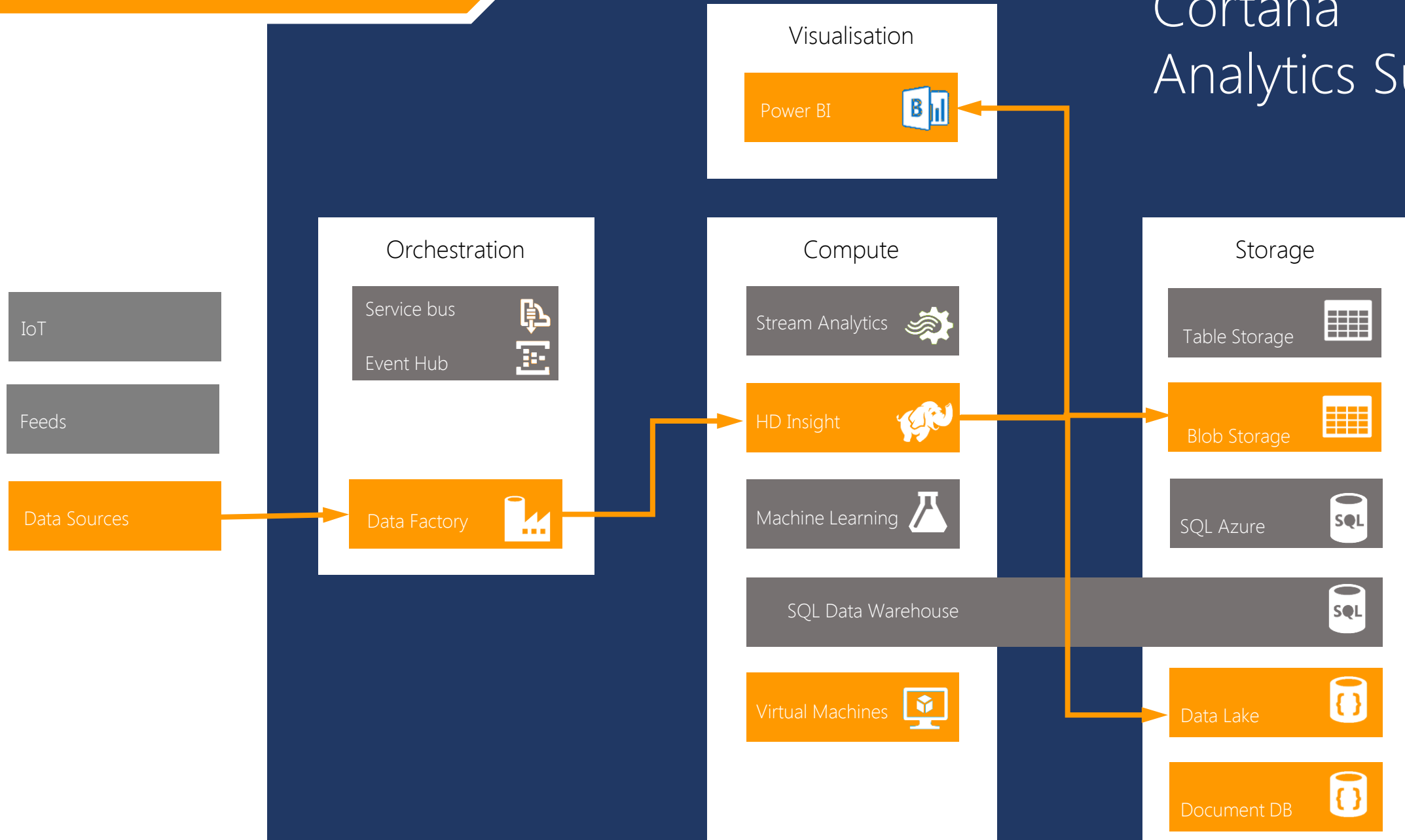
Cortana Analytics Suite



Near real time analysis

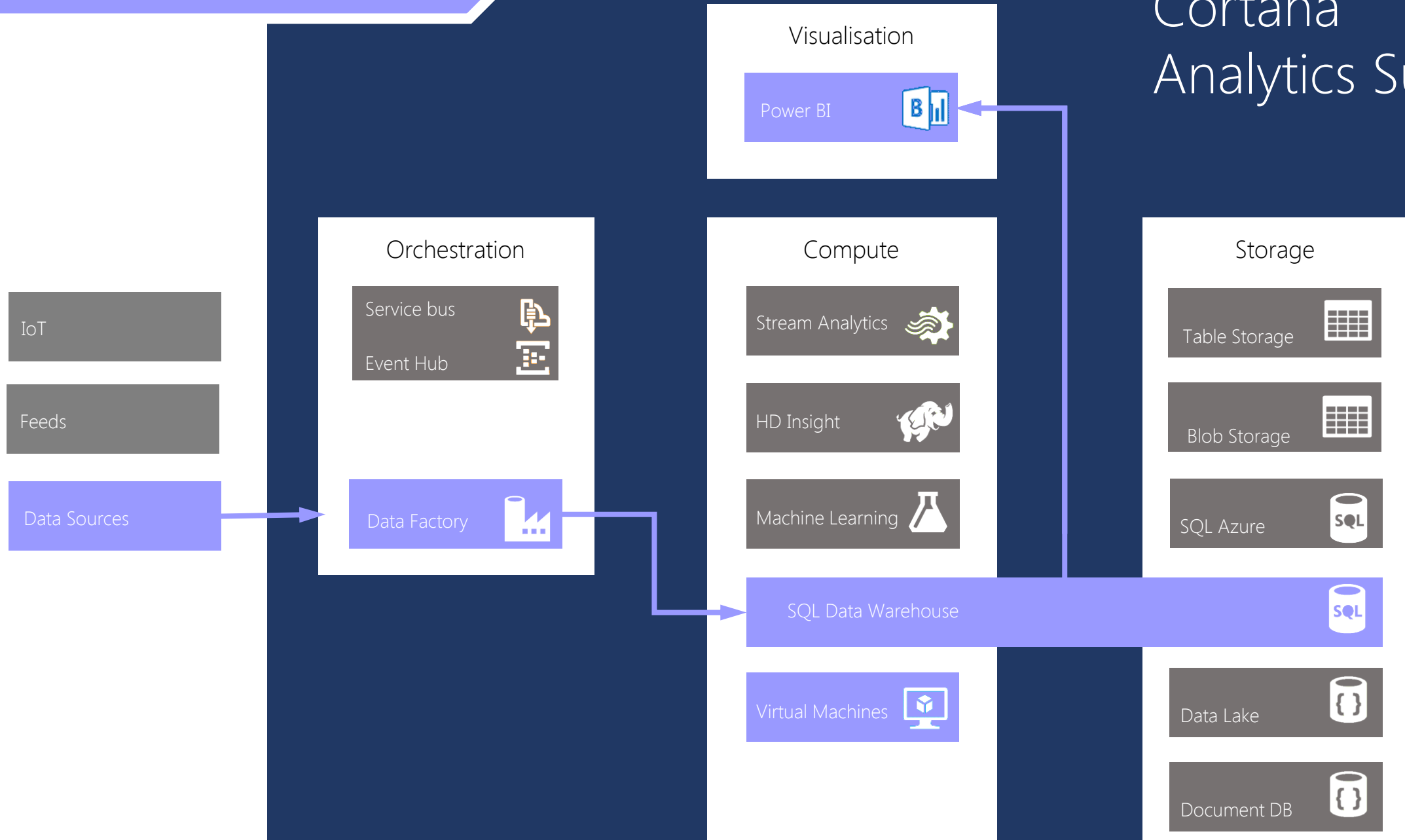
Cortana Analytics Suite





"Traditional" BI

Cortana Analytics Suite



Machine Learning APIs



Microsoft Azure Machine Learning | Home Studio Gallery PREVIEW



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MACHINE LEARNING API

Face APIs

by Microsoft April 22, 2015

Description

Part of Microsoft Project Oxford, Face APIs provide state-of-the-art algorithms to process face images, like face detection with gender and age prediction, recognition, alignment and other application level features.

Face detection with attributes extraction

You will get the detected faces with rectangles indicating the face positions and a series of face related attributes, include landmarks, pose, gender and age by giving an image.



Face Verification

Given two detected faces, you will get result indicates whether the two requested faces belong to the same person.



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Links

[Project Oxford](#)

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Thanks for your time



Andrew Fryer



@DeepFat

Useful Links:

<http://azure.microsoft.com/> - sign up for your trial

<https://studio.azureml.net/> - log into the studio

<https://gallery.azureml.net/> - check out the gallery

http://1drv.ms/1CjzW2f_ - download the lab guide