# Azure Discovery Days 2019

## Data Analytics & Near Real Time Intelligence with Azure

## Hands-On Lab Guide

In these hands-on labs, you will build a data estate modeled on a simple lambda architecture. This estate will include “cold” storage and analytics as well as a “hot” path of streaming data which will be operated on in near real-time. You will build both analytic as well as streaming dashboards.

The labs are detailed and prescriptive. Specific steps and technologies are described for you. If you are relatively new to Azure, we recommend you follow the steps carefully as documented. If you are more experienced with Azure, please feel free to adapt the labs and experiment on your own.

The labs use the Azure portal (<https://portal.azure.com>) as the primary tool. Some labs or sections may also show Azure Command-Line Interface (CLI) commands as an alternative to the graphical Azure portal. These can be executed in the Azure portal’s cloud shell, or locally after installing the Azure CLI for your environment (see the Resources document). In the lab documents, the portal’s cloud shell is used but the CLI commands are identical to those that should be executed in a local Azure CLI session.

## IMPORTANT

The hands-on labs in this Discovery Day build on each other. Please work through the labs in numerical order. Lab 0 covers preparation and pre-requisites, and labs 1-4 are the actual lab modules.

## Architecture

The overall architecture, broken down by lab, is shown below.

