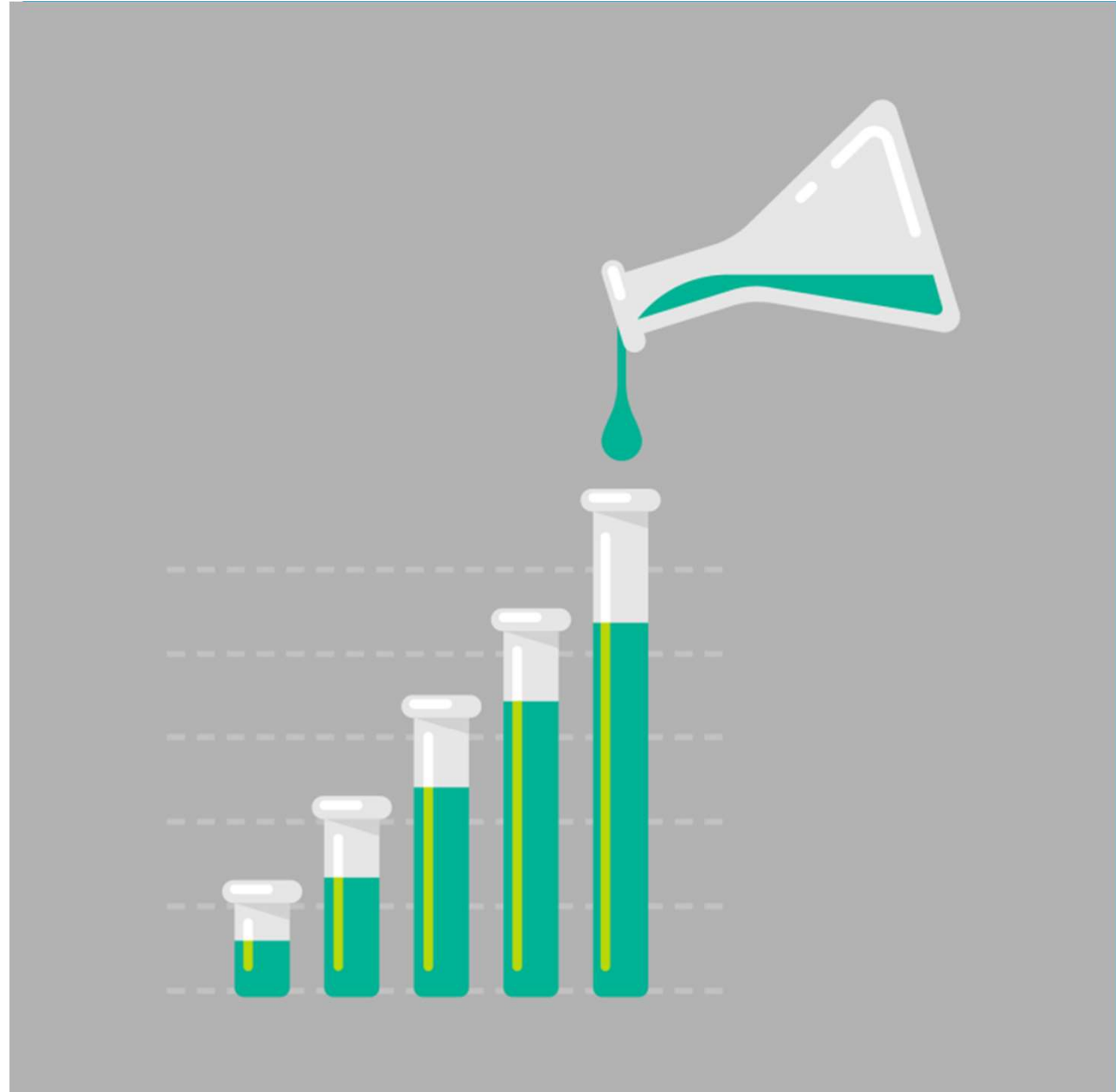




Accelerator Workshop: Containers and Kubernetes on Azure

Delivered by: Emerging Technology
Partners



Workshop Overview

This workshop is designed to help you explore how the Microsoft Azure platform can help you meet critical business objectives by using containers, Kubernetes and containerization concepts.

This workshop will include several hands-on labs to demonstrate the concept of containers, understand how to apply containerization principals with the tools on the Azure platform and provide insight into just how easy it is to build and deploy powerful new capabilities on Azure.

Additionally, the workshop aims to accelerate your first project with dedicated "build" time with facilitators to get you started and on the journey of containerization.

This is a hands-on 'build-with' workshop and as such attendees will require software development, Docker, and Kubernetes experience.

Duration: 2 Days

Workshop Style: Guided learning and hands on build

Target Audience: Developer / IT Pro

Prerequisites:

- Your own laptop
- Azure Subscription
- Foundational Development Experience
- Understand of Docker and Kubernetes Concepts

Outcomes:

- Understanding of Container and Azure Kubernetes Service tools and principals
- Guided "build with" experience for you
- Showcase to your management of the project build outcome(s)



Workshop Agenda



Day 1

09:00	Introductions
09:15	Microsoft Container Landscape
09:45	Introduction to Containers, Kubernetes, Azure Kubernetes Service (AKS), and Azure Container Instance (ACI)
10:30	Break
11:00	Operating principles of deploying and maintaining applications in Containers <ul style="list-style-type: none">- Stateless/Stateful- Persistence- Network Segmentation and Access
12:30	Break
13:00	Deploying and managing applications on Azure Kubernetes Service and Azure Container Instances
15:30	Wrap up + Questions

Day 2

09:00	Assessing your current applications; how to select candidate applications
10:30	Break
11:00	Containerising a candidate application, including with data persistence (if applicable)
12:30	Break
13:00	Scaling and Load Balancing the candidate application
14:00	Showcase + Presentation
15:00	Wrap up and Questions

