

# Workshop: Azure Integration Services in a day

Accelerate business change through the intelligent use of data.

## About The Workshop

This workshop is for technical decision makers, cloud architects, and for those looking to evaluate Azure's data and integration capabilities.

AIS in a day is a hands-on deep-dive into data mastery with Azure. Working directly with our solution architects, we demonstrate how Azure can help you to radically improve systems integration and data maturity.

## On The Day

Taking a hands-on approach we will explain the various data and integration services Azure has to offer and, one step at a time, build up to a real world deployment using a best-in-class reference architecture.

### You will learn how to:

- Ingest data into Azure from an on-prem or SaaS system
- Transform that data with Azure ETL services for normalisation and processing
- Securely store data for hot and cold path workflows using DataLake, CosmosDB and/or SQL Database
- Serve data to applications and 3rd parties with Azure API Management
- Govern your data with AAD, advanced logging and analytics
- Automate and securely rollout integrations with Azure DevOps

You will come away with a comprehensive understanding of AIS and knowledge of how it can be securely deployed to solve common data integration challenges.

## Example Solutions

- Integration/reconciliation of data from core business systems & applications with e.g Microsoft Dynamics 365
- Liberation of on-prem/SaaS data to Azure cloud for innovation in data science, business intelligence, IoT, AI/ML and application development
- Data democratisation and connectivity with API Management and AAD/B2B
- Strategic data backbone/hub to replace legacy P2P/ad-hoc integrations
- Application middleware integrating multiple backend systems to power new dashboards, LOB, mobile and web applications

## What Can Azure Integration Services Do For You?

Many organisations are data rich but information poor; suffering with a mish-mash of on-prem, SaaS and cloud solutions combined with poor data governance, un-strategic and ad-hoc point-to-point integrations, as well as inefficient, manual reporting processes. This leaves organisations wide open to compliance/GDPR violations, huge technical debt and unnecessary cost while being unable to benefit from automation, analytics and innovations in cloud technology. By taking a strategic approach to data & integration, organisations can leverage Azure to:

- Liberate, transform and analyse previously hard to access siloed data
- Connect a multitude of apps and data, making full use of modern cloud services
- Embrace automation, insights and analytics
- Introduce smarter data governance
- Enable citizen development
- Democratise access to data in a controlled and secure way
- Introduce a 'single pane of glass' to control the flow of all data within an organisation

## Key Technologies

- Data Factory, API Management, Azure Data Lake, Logic Apps, Functions
- Azure SQL Database, IoT Hub Azure Synapse, Service Bus, Event Grid
- Active Directory, Key Vault, Log Analytics, Azure DevOps, Power Platform, .NET Core



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## About Dootrix

Dootrix is a new kind of Azure SI for cloud consultancy and software development, specialising in Application Modernisation, Systems Integration and Implementation best practice.

DevOps by default and an industry voice in cloud-native development, we have been leading the way in serverless architecture since before it had a name. We are successfully delivering programmes of work with both enterprise and scale-up organisations to ensure they get superb value though cloud adoption, done right.



Gold Application Integration  
Gold Application Development  
Gold Cloud Platform

## Reference Customers



Implementation of Integration Backbone for Retail POS, Dynamics 365 and Electric Vehicle Charging Stations. Provided complete solution for data ingestion, transformation, business/customer/supplier reconciliation and reporting.

[doo.gd/gridserve](https://doo.gd/gridserve)



University of Nottingham

Delivered a Strategic Integration Platform for the University enabling Campus, Residential, Leisure and HR integrations. Replaced hundreds of legacy P2P integrations with a signal platform enabling transformational development, governance and reporting across the entire data estate.

[doo.gd/uon](https://doo.gd/uon)



Endpoint solution for democratising and serving UK wide broadband data to service providers and end users. Liberated gigabytes of data from multiple on-prem systems, transforming and serving it through super fast and highly available APIs.

[doo.gd/ofcom-cs](https://doo.gd/ofcom-cs)

## Contact Us

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Dootrix. Superb value though cloud adoption, done right.