

sqlbits

Hybrid Data Solutions How you can have your cake and eat it!



About Coeo



Coeo are Europe's most trusted analytics and data management experts

We deliver technology strategy and support for businesses who need to get the most from their data

Insights



Dedicated Support

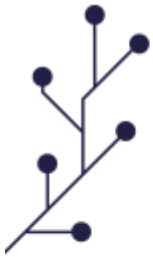


Platform Consultancy



Making SQL Sense

Session Objectives

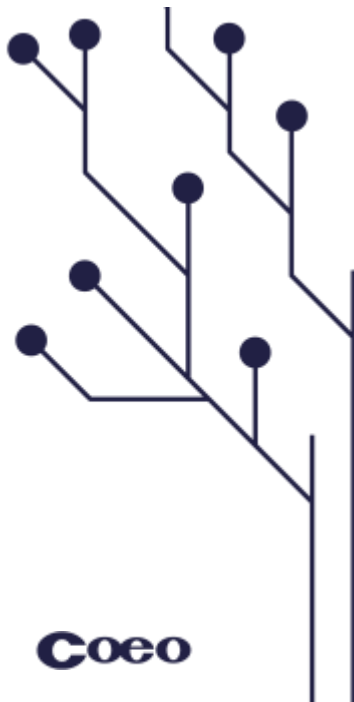


We live in a cloud first World, but many organisations still run largely on-premise

- How could you start your cloud journey?
- What services are easiest to deploy and how can you demonstrate value, security, control and governance?
- This session covers how some of the organisations we work with start their journey and leverage Azure data services.

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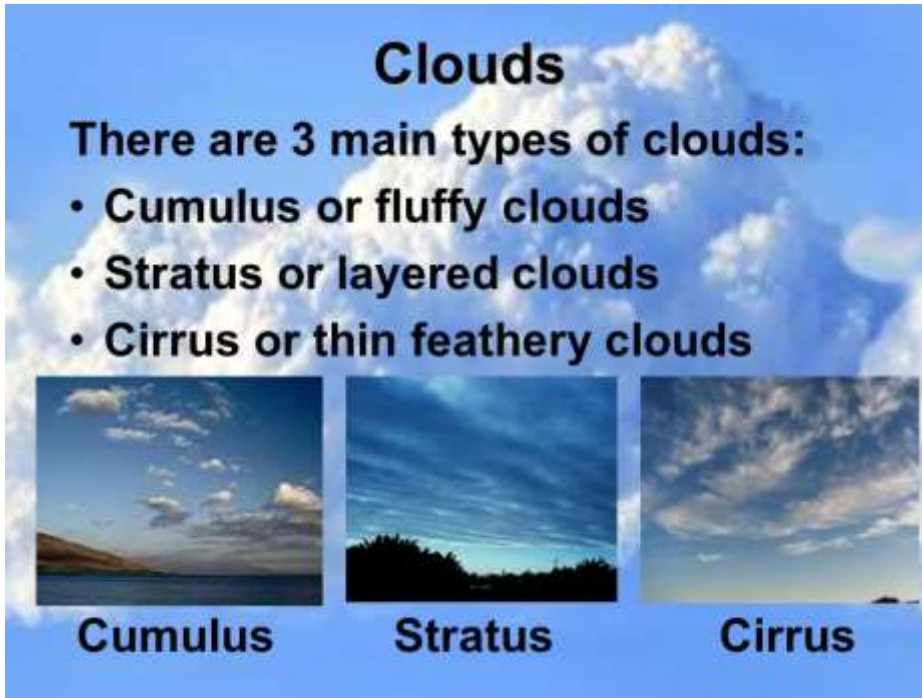
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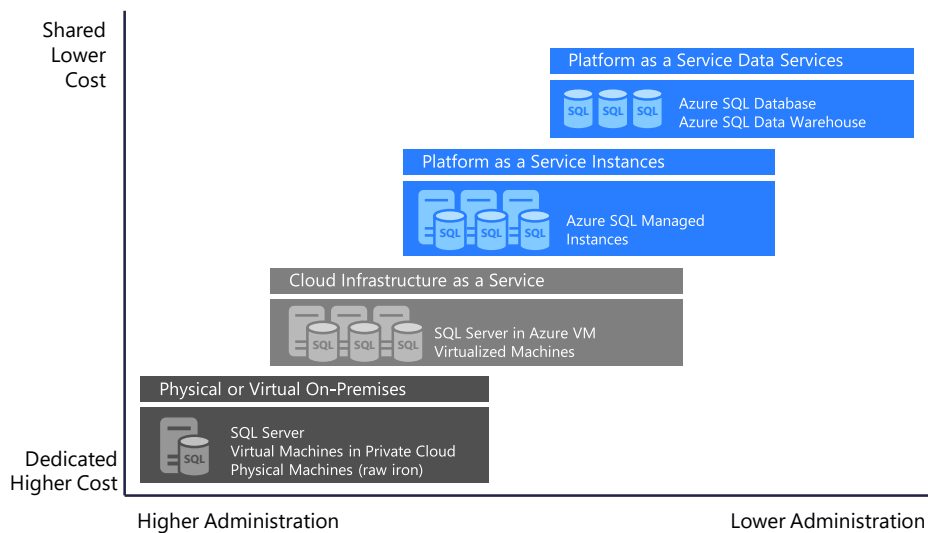
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Types of Cloud

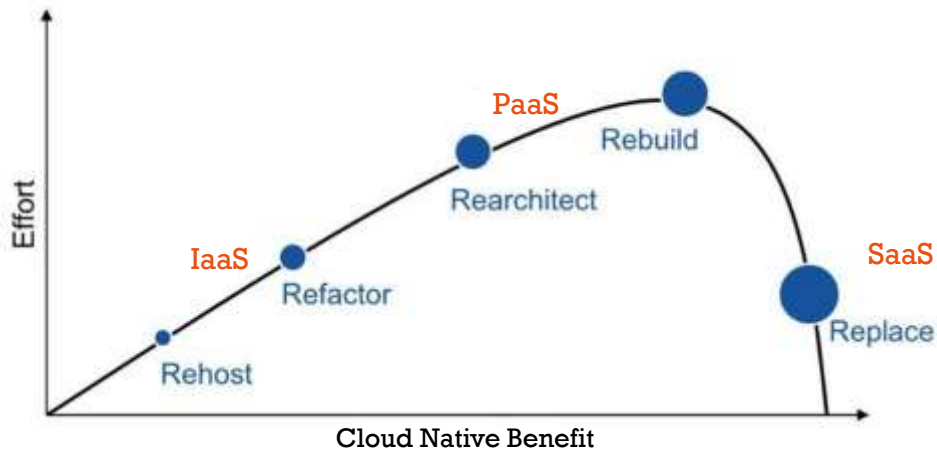
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Cloud means different things...



Azure Adoption Strategy



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Optimise vs Transform

Optimise with virtualisation

Operational efficiency
Resource pooling and abstraction
IT sponsored
Flexible hardware
Mission-critical workload optimization
Datacenter/ server consolidation
Converged platforms
Secure VMs

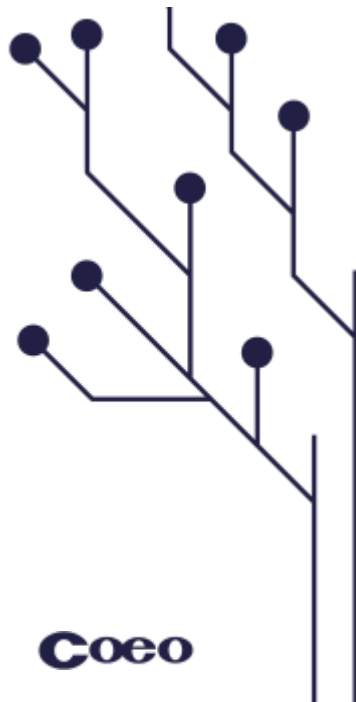
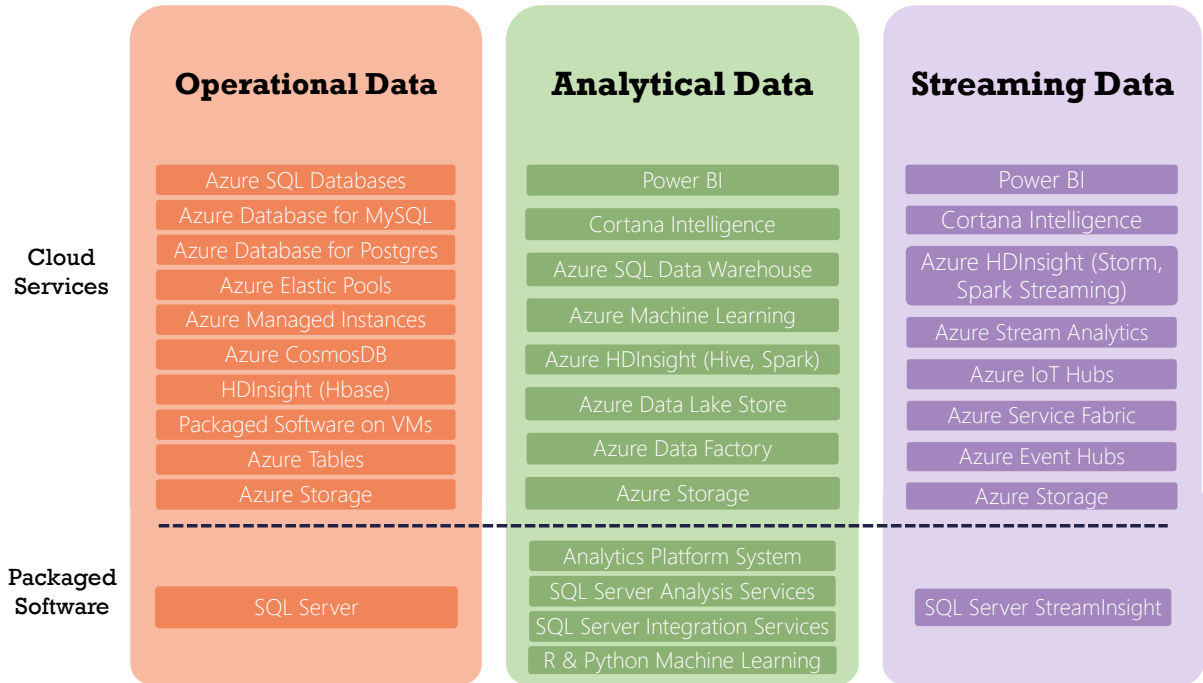
Transform with Cloud

Agile development
Self-service, on-demand services
Business/ App dev / IT sponsored
Purpose-built hardware
Cloud-native apps
Hybrid app patterns
Seamless app mobility
DevOps

Hybrid Cloud

Private Cloud

Public Cloud



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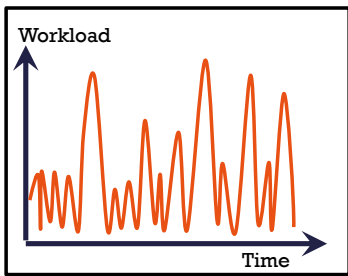
Why hybrid?

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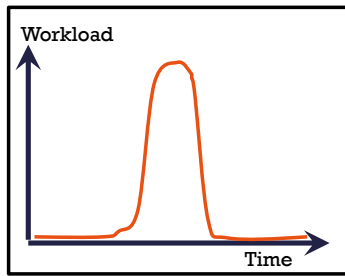
Why hybrid?



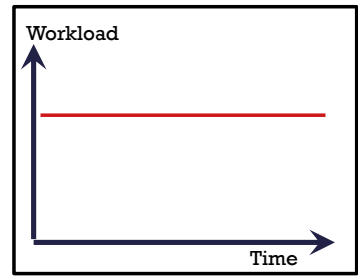
Cloud Scalability



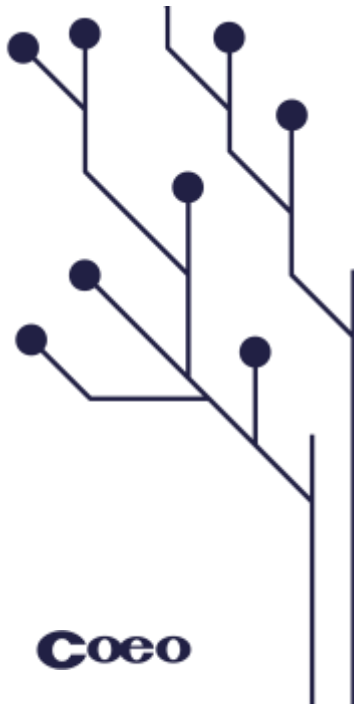
Variable workload
Auto scale up or out



Peak workload
Scale up, out, redeploy or deallocate on a schedule



Flat Workload
Size appropriately



Getting started

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Hybrid offerings



Infrastructure:

- Backup to Azure
- DR to Azure
- Dev/ test in Azure
- Data warehouse in Azure

Advanced analytics:

- Predictive in Azure
- Unstructured data
- IoT Hub
- Stream Analytics

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Cloud Journey



	Lift/ shift	Transform
Why?	Move to Azure rapidly Lowest risk Minimum changes possible Maintain solution design	Re-platform services to PaaS Greatest cloud benefits
How?	P2V or V2V Azure Site Recovery Manager	Data Migration Assistant Database backup/ restore
Blockers?	Shared Storage solutions Windows Server 2003 AD forest functional level	Application/ code changes Time/ engineering effort Lock-in

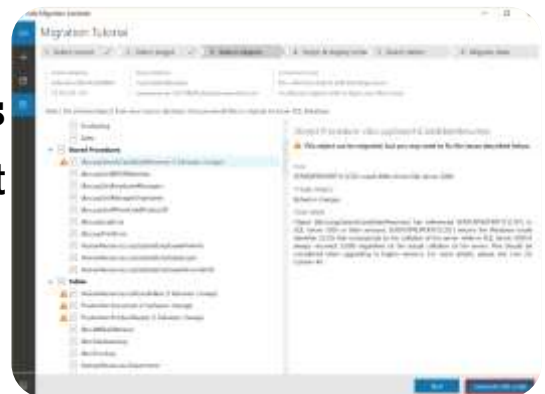
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Cloud Journey – Data Migration Assistant

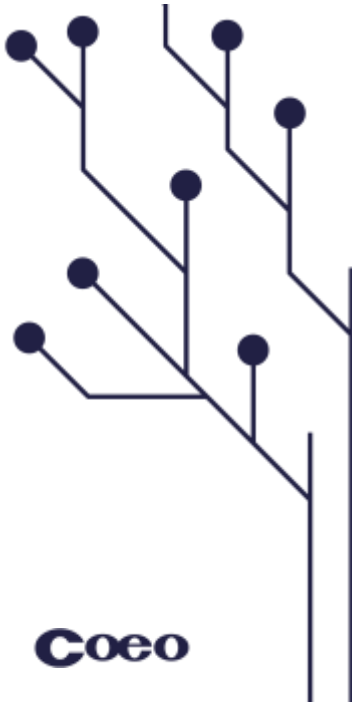


- Identify blocking upgrade issues
- Behaviour changes
- Recommend target service
- Perform data migration



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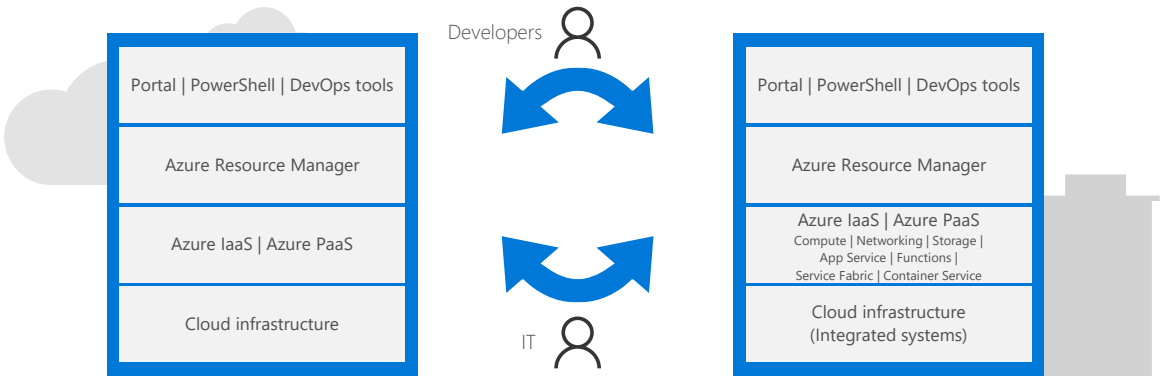


Azure Stack

what's that?

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Public Cloud on-premises

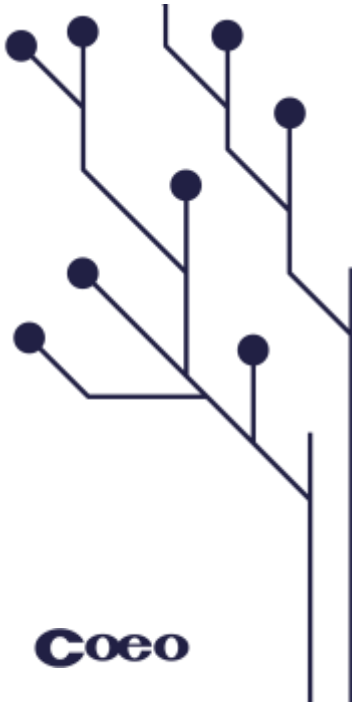


Azure

Azure Stack



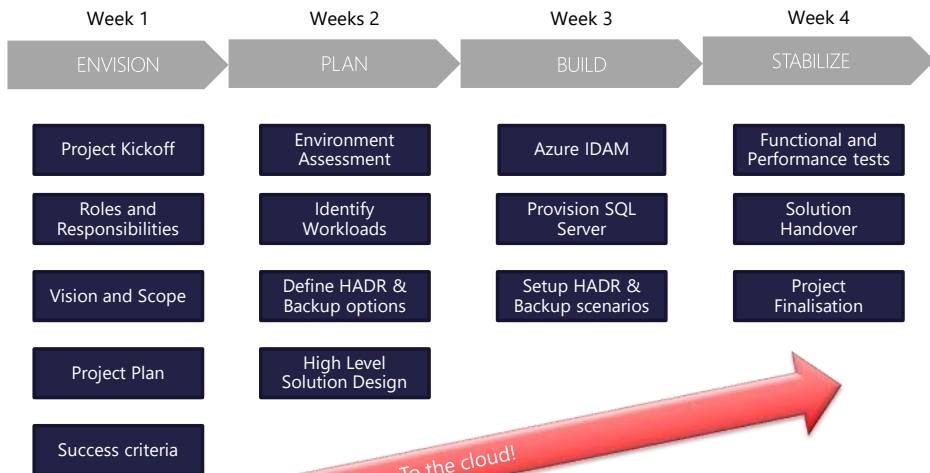
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Project Approach

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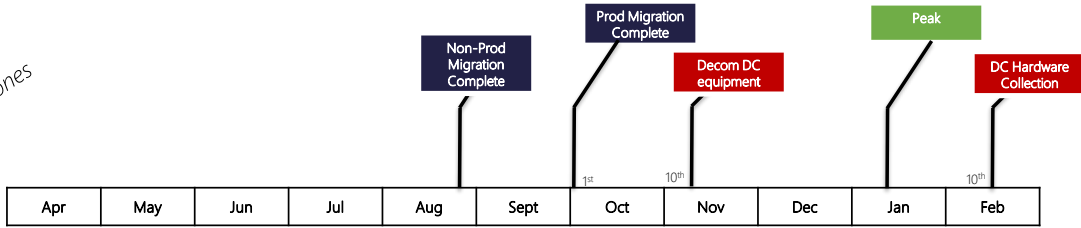
Azure Data Service Jumpstart



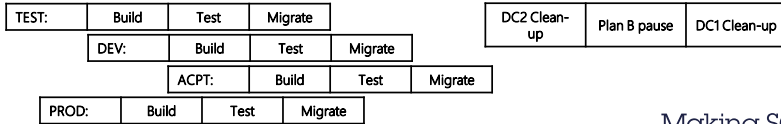
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High level timeline

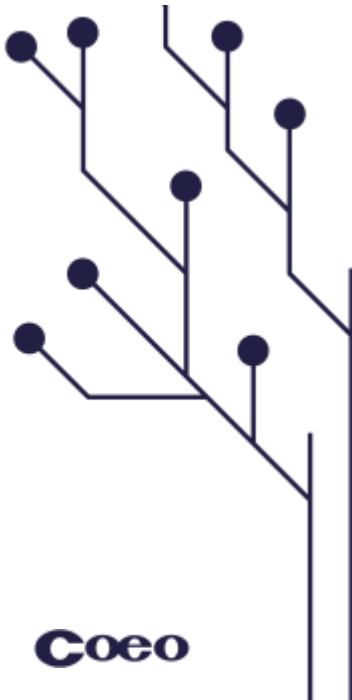
Milestones



Activities



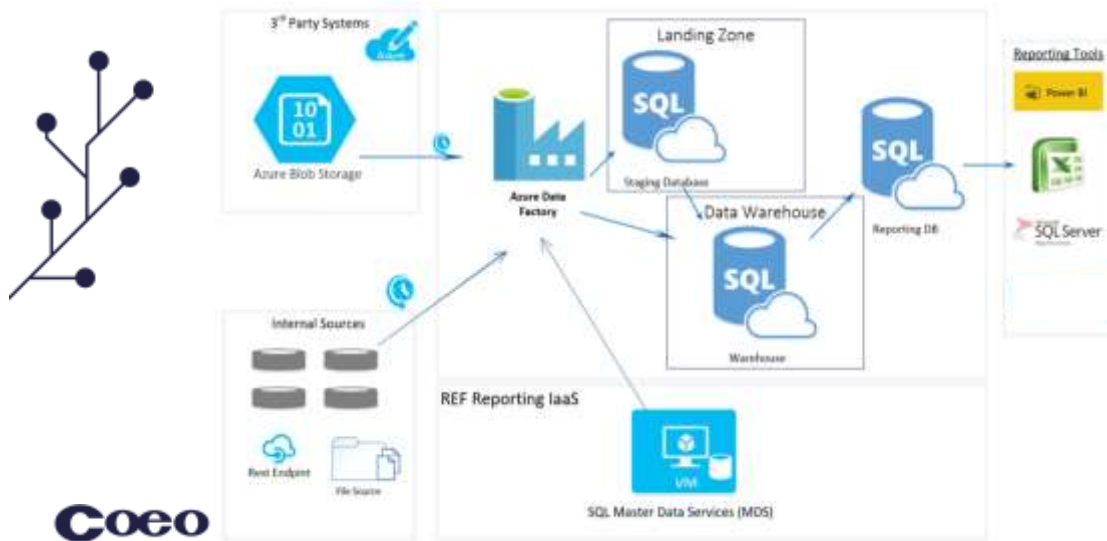
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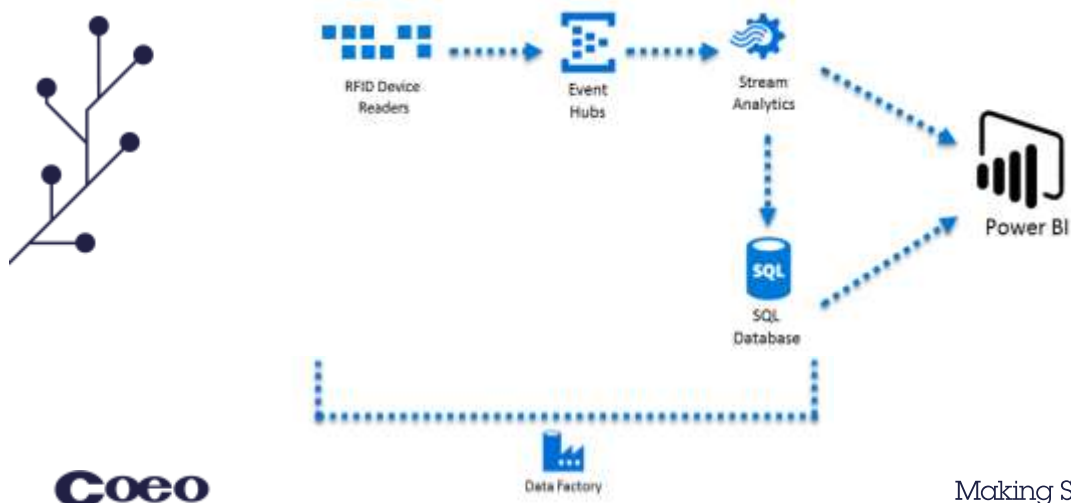
How do organisations start their journey?

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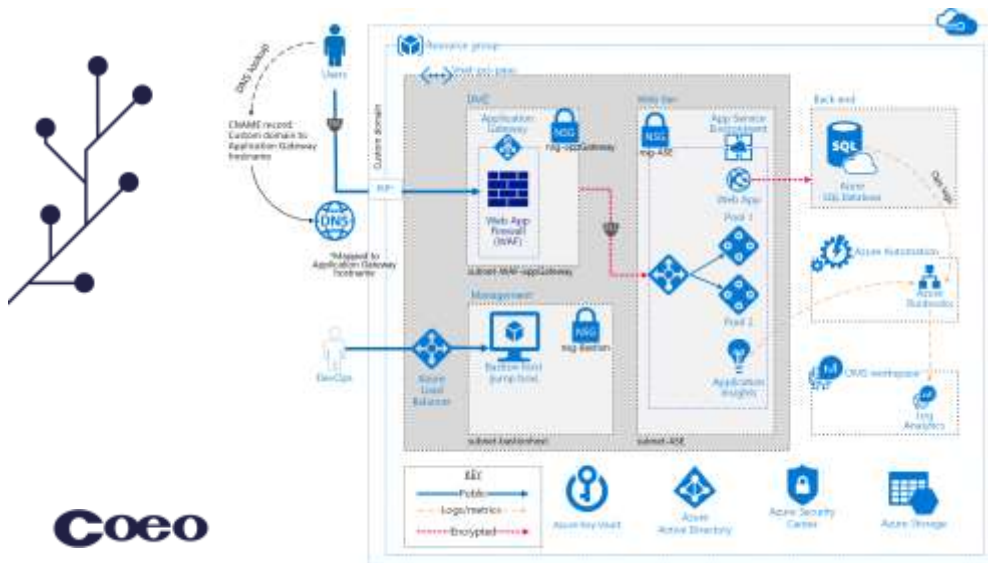
Insurance company deploy DWH in Azure



Food production dashboard in Azure



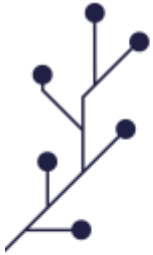
Credit agency deploy self-service in Azure



How cloud projects go wrong

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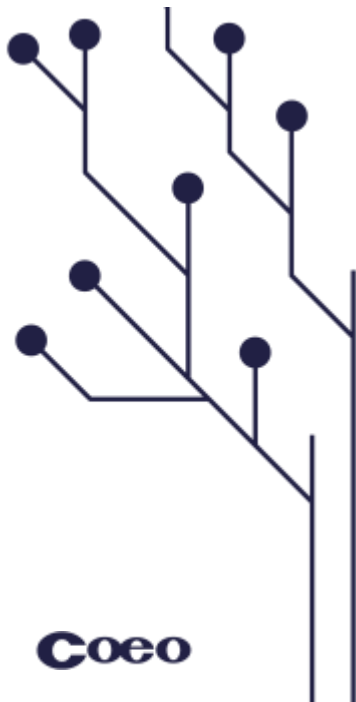
When cloud projects go wrong



- Licensing
 - Choosing the wrong VM license
- Provisioning restrictions
 - Region provisioning (O365 account creation)
 - Subscription RBAC
- Security
 - Inadequate measures

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Getting Cloud Right Key Principles

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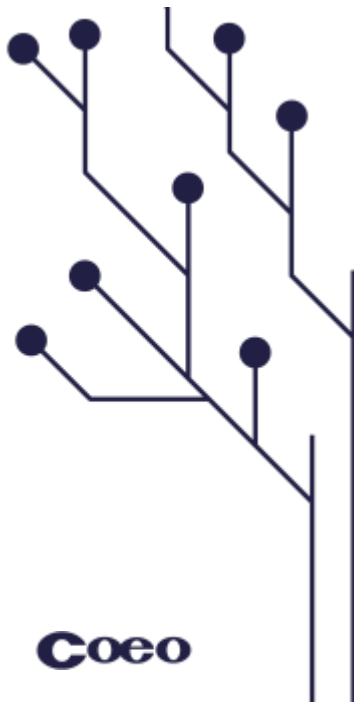
Key principles for success



- Design for service failure
- Assume breach
- Manage spend
- Get started!

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Thank you

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Migrating to Azure Data Services (free)

22nd March, in London

Introductory one-day classroom training course gives newcomers to the Azure Data Platform the fundamental knowledge required to begin using these services within their business.

This course is designed for:

- Infrastructure Managers
- Solution Architects and Designers
- Those needing to modernise ageing data platforms

Attendees will learn about the Microsoft Data Platform services, how to migrate data to Azure and how to tackle common challenges encountered when moving data to the cloud:

- An introduction to Azure Data Services
- How to decide which Data Platform Service is most suitable for your business needs
- Migrating your data to Azure
- Operational monitoring and management
- Storing data securely and meeting governance, regulatory and compliance requirements
- Gaining a competitive advantage for your business by using the Microsoft Data Platform in Azure



Register at: www.coeo.com/events

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Just like Jimi Hendrix ...

We love to get feedback

Please complete the session feedback forms

SQLBits - It's all about the community...

Please visit Community Corner, we are trying this year to get more people to learn about the SQL Community, equally if you would be happy to visit the community corner we'd really appreciate it.



We're looking for a SQL magician!



Who we're after	What we offer
<ul style="list-style-type: none"> - Junior DBA to join our Dedicated Support Team - People who love solving problems - Passion for amazing customer service - Love of learning and sharing knowledge 	<ul style="list-style-type: none"> - Company of SQL Server Experts including MCMs and MCTs - Mentor and training - Latest versions of the Microsoft's data platform as well as Azure & BI - Join paid on-call rota



Interested? Apply at www.coeo.com/careers/

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