

How to avoid Cloud Migration Disaster





Richard Simms

Richard is responsible for designing test strategies and approaches to testing for ROQ clients as well as managing the transition process for new clients at ROQ. His role as test architect involves working with a wide variety of clients across a range of industries and gaining a deep insight into their testing and quality assurance challenges.



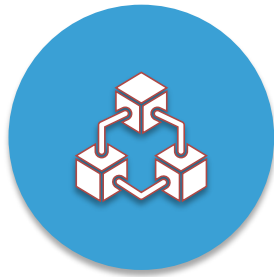
Mike Royle

Mike is a strong Programme Test Manager with experience in multiple industries, excellent management and communication skills. Mike has been instrumental in the success of many programmes for ROQ – most notably for Unilever over the past 5 years, where he has led large, global programmes.

Agenda



WHY?



TYPES OF
PROJECT

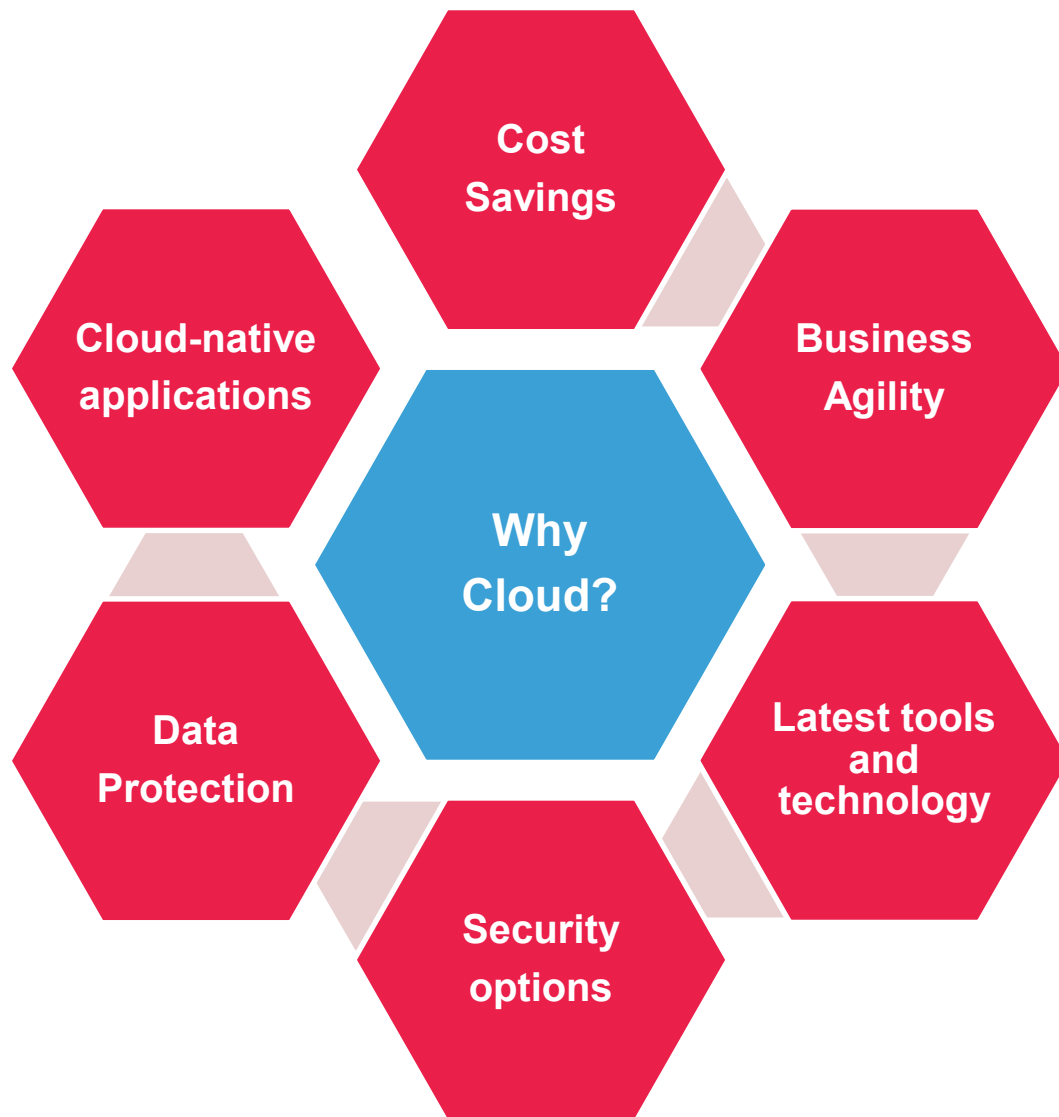


CHALLENGES

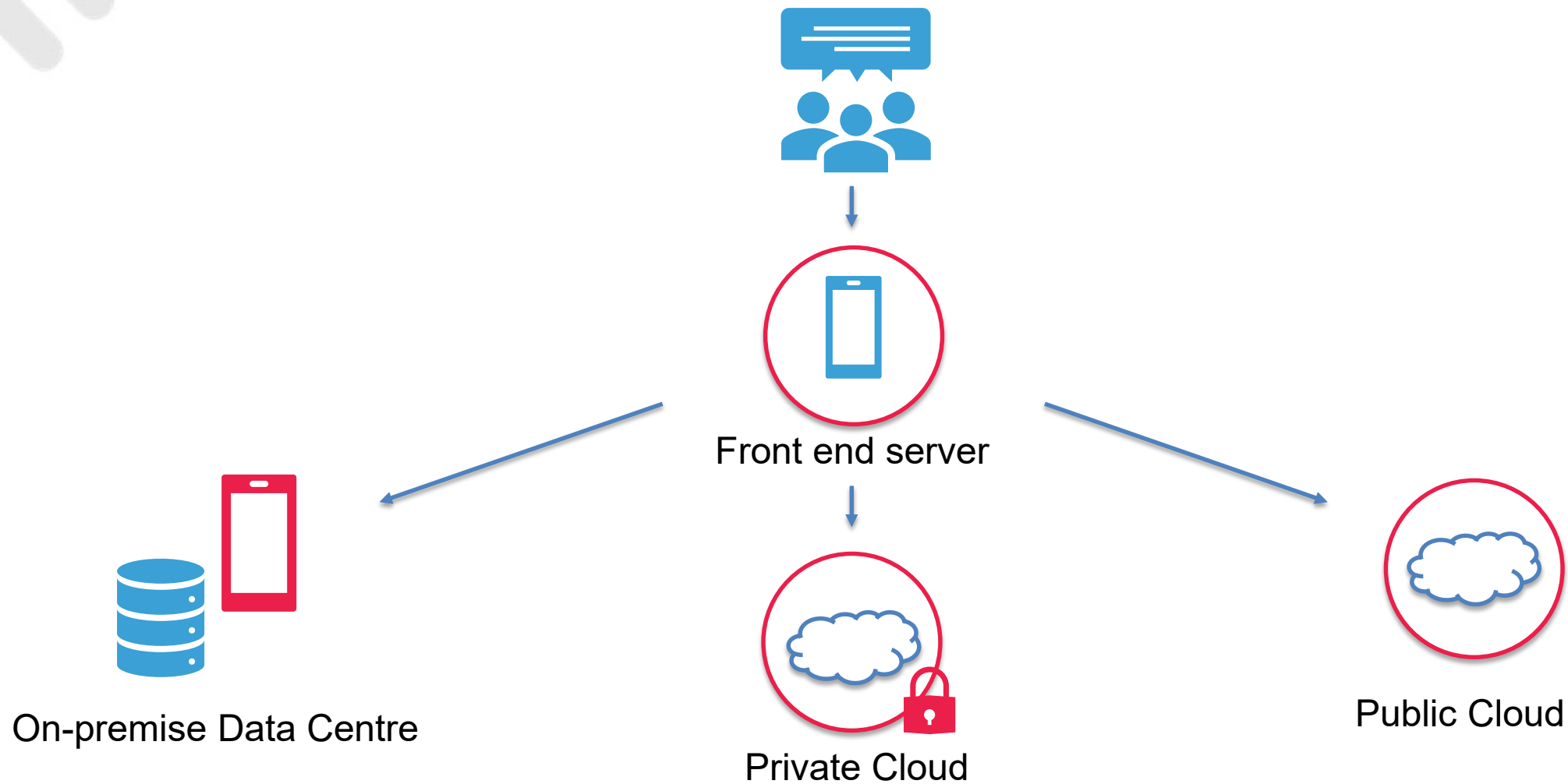


SERVICE

Why are organisations choosing Cloud solutions?



Hybrid Cloud – favoured architecture for many...



Types of Cloud Migration Project

Migration & Modernisation

Cloud Native

SaaS

Re-Host

Re-Factor

Re-Architect

Re-Build / New Development

Replace with package

Transfer your application/solution to cloud with very little change required. Essentially a re-platforming of existing solution

Modify your solutions code and/or configuration in order to allow and take advantage of re-hosting the solution in the cloud

Extensive re-design and re-build of your solution. Typically using a micro-services architecture and using internal/external API's

Starting from scratch to build a new solution which fully exploits new cloud based technologies with little re-use of code.

Select a cloud based package or SaaS to replace entirely your existing solution. This will include selecting cloud based ERP solutions (e.g. D365, SAP, Oracle) or SaaS (e.g. Workday, Salesforce)

Testing focus for Cloud projects

Re-host

- Regression testing to confirm working on new platform
- Some UAT, OAT and NFT to verify re-hosted correctly

Re-factor

- Unit testing of amended code/configuration
- Extensive regression testing including integration points, UAT,OAT and further NFT

Re-architect

- Unit testing, System testing , Systems Integration Testing – API internal/external, UAT,OAT
- Focus on Performance and Security testing

Re-build

- Unit testing - extensive, System testing, Systems Integration Testing, UAT, OAT, Performance, Cutover, Data Migration testing, Continuous testing – functional/load automation and exploratory

Replace(SaaS)

- Systems testing of configuration and Systems Integration Testing, Data Migration testing from the replaced solutions. Likely UAT, OAT in some form as well as cutover testing

Key challenges and risks

Contractuals

- Getting it right from the start

Integration

- From your cloud hosted to solutions based on premise or hosted in the cloud

Data Migration

- Ensuring completeness and accuracy of data
- Automated and manual reconciliation

Usability and Adoption

- Replacing tailored bespoke solutions with SaaS
- Ensuring efficient and effective for your business process

Long term support

- First line support know where to direct calls
- Process for DR and Business Continuity well defined

Performance Bottlenecks

- Will your cloud hosted solution respond in line with requirements?
- Could internal network and routers actually be the problem?

Regression Testing

- Regular release patterns with new functionality and potential issues
- Frequently with SaaS you have a short window to test before production tenant updated

ROQ Cloud Migration Testing Service

Service Overview

Provide the necessary testing expertise to ensure the success of the migration of applications and services into cloud hosted environments.

Key features

- Tailored approach
- Assurance of testing
- Integration focus
- Data migration testing
- Regression packs
- Transparent and insightful reporting

Benefits

- Key risks mitigated
- Stakeholders confident
- Re-usable assets
- Data validity confirmed
- Specialist resource to complement domain knowledge

Common misconceptions

“The Cloud solution will be resilient enough for what we require”

“The cloud is scalable”

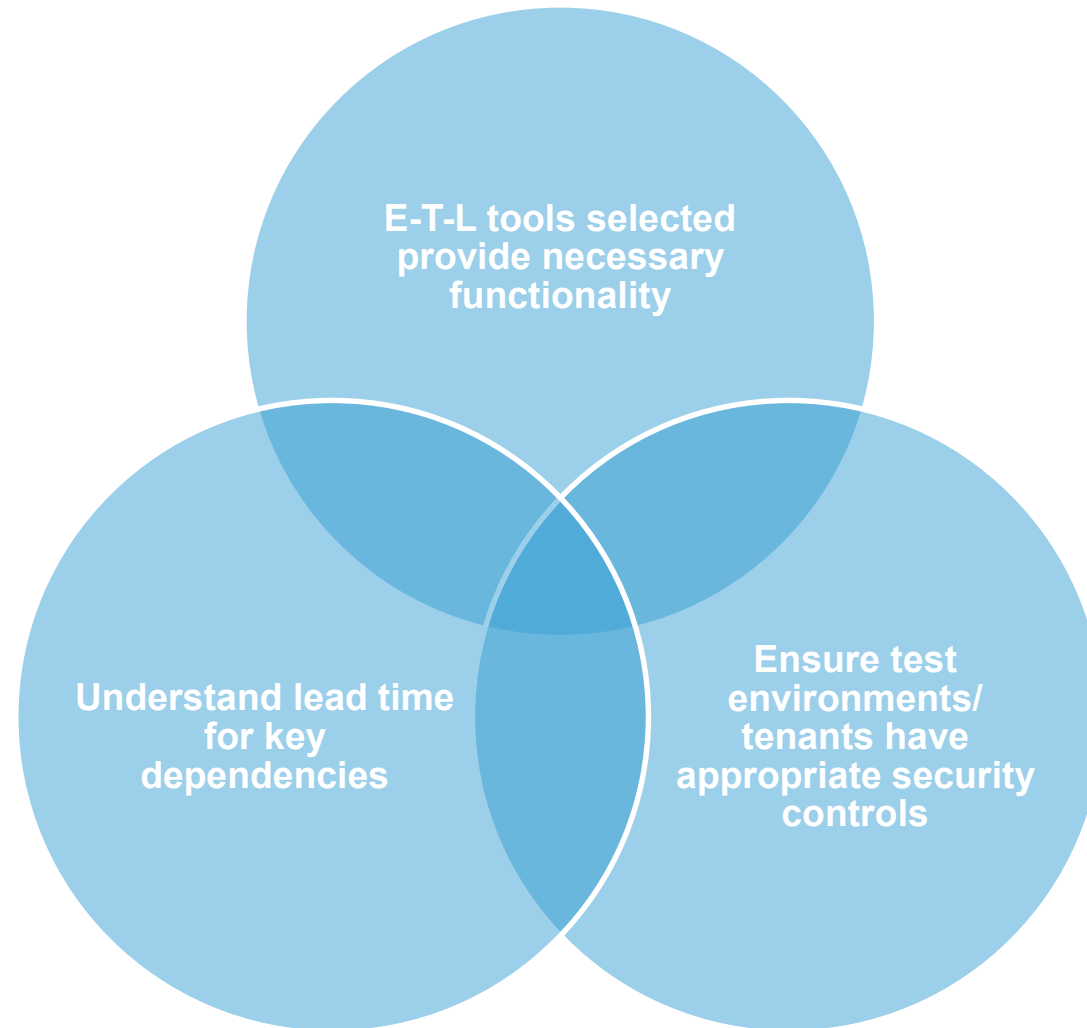
“The SI said they will test it”

“You don’t need to regression test SaaS”

“We can re-host and upgrade at the same time – it will save us money”



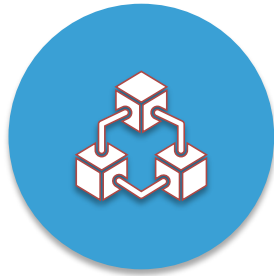
Important areas for Cloud Data Migration



Summary



WHY?



TYPES OF
PROJECT



CHALLENGES



SERVICE

How to Avoid Cloud Migration Disaster

Questions?

How to Avoid Cloud Migration Disaster

Thank you

If you have any more questions please contact ask@roq.co.uk