



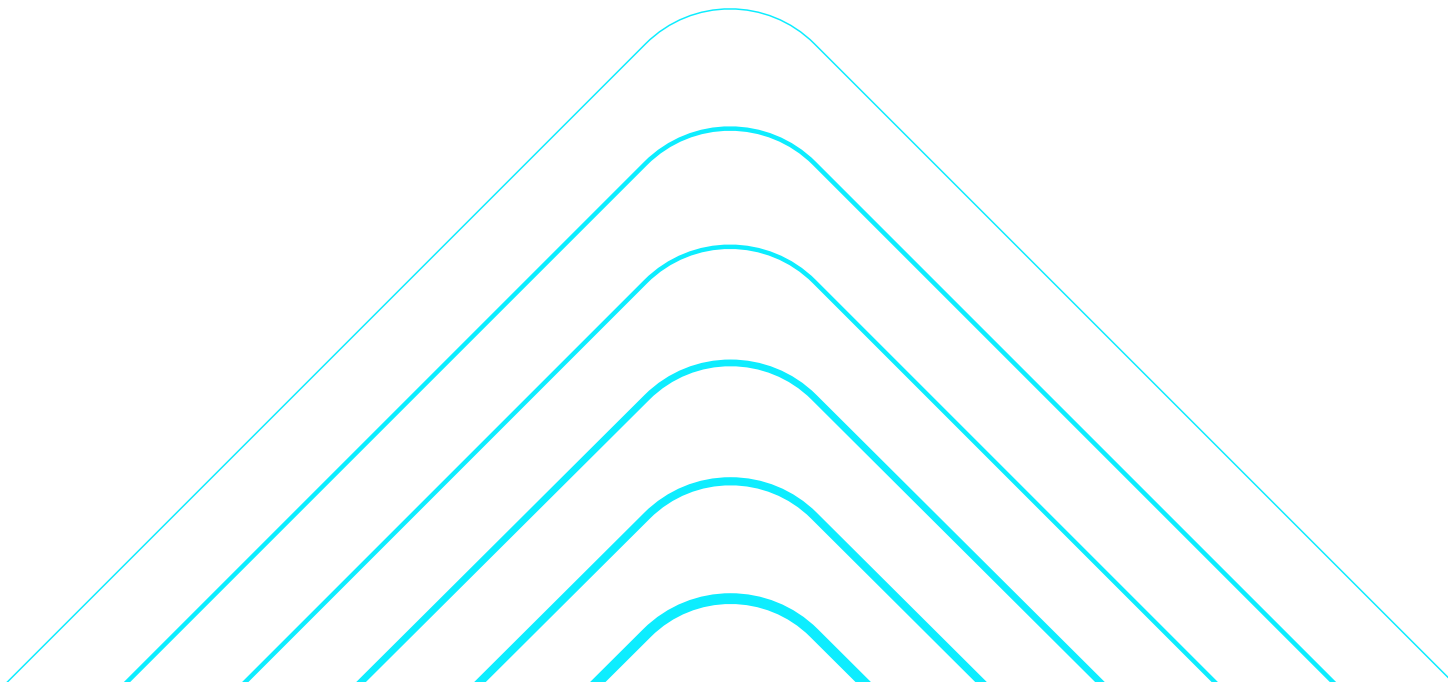
YOUR CLOUD MIGRATION TOOLKIT

How to plan your Cloud Migration



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01 » WHY DO YOU NEED TO MIGRATE TO THE CLOUD?

Today's business landscape is changing fast. Remote working is the new norm for many organisations. While there are plenty of upsides to this, it also creates multiple new IT challenges. You've got to keep people productive, data secure and costs managed efficiently across multiple locations, tools, and platforms. Not easy.

It's no wonder then that more and more businesses are migrating to the cloud. It empowers workforces to access data and collaborate from anywhere, while also driving efficiency, and reducing costs.

Of course, cloud migration comes with its own challenges. If you're not prepared for them, it can cause a lot of disruption to your business. But don't let that put you off – in this toolkit, we'll explore the biggest hurdles you will face on your journey to the cloud, and how to overcome them.



A solid Cloud Migration strategy is a significant undertaking, but despite the challenges it presents, it's not insurmountable. The success of your migration project hinges on careful planning, effective management, and access to extensive expertise from a service provider with a track record of executing successful cloud migrations.



In this toolkit we provide a decision table and checklist for you to complete. After doing this, we offer you the opportunity to review it with one of our cloud specialists, who will guide you through every step of your cloud journey. This ensures you get the end-to-end solution which best fits your requirements.

"Buying a service from a big blue chip provider doesn't necessarily mean you get everything you want. You need to make sure it addresses your specific business challenges and requirements."

Nick Ward, Senior Product Manager, Intercity Technology



02 » YOUR OPTIONS: CLOUD, ON-PREM OR HYBRID?



Criterion	On-premises	Cloud	Hybrid
Deployment	<ul style="list-style-type: none"> Resources deployed in-house within your IT infrastructure You are responsible for hardware and software maintenance and its related processes 	<ul style="list-style-type: none"> Resources deployed in the service provider's premises Service provider is responsible for service availability meeting its SLA 	<ul style="list-style-type: none"> Resources deployed in public and on-premises or private cloud Shared responsibility for maintenance
Cost	You are responsible for ongoing costs of hardware, power consumption, space, and people to look after it all	You pay only for the resources you use, with cost adjusted to match consumption	You have two different consumption models running in parallel
Control	<ul style="list-style-type: none"> You retain all your data and are fully in control of what happens to it If you are in a highly regulated industry this may be the only practical solution available 	<ul style="list-style-type: none"> Data and encryption keys reside with your service provider Your service provider must meet your compliance requirements 	<ul style="list-style-type: none"> You partition your estate to retain what you must in house Put into cloud what you do not need or have to keep in house
Security	You are completely responsible for the security of your platform and for your data stored within it	Your service provider is responsible for the security of the cloud and you are responsible for the security of your data stored within it	Combination of the two
Compliance	You are completely responsible for the compliance of your platform and for your data stored within it	Your service provider is responsible for the compliance of the cloud and you are responsible for the compliance of the data stored within it	Combination of the two
Capacity Management	Constrained by the capacity of what you have deployed	You need capacity which is highly elastic, and consumed in a responsible way	Constrained baseline capacity in house, with cloud bursting
Backups	You are responsible for backing up your data, with best practice comprising 3 copies with 2 copies on different media, and 1 copy off site	You are still responsible for backing up your data, including your Office 365 – the cloud provider is responsible for resilience, not recovery	You are responsible for backing up your data. Immutable backup in Object store provides protection against ransomware attack
Business Continuity (Disaster Recovery)	You need a standby IT environment to move to in case your primary environment becomes unavailable	Your cloud solution architecture must ensure there is no single point of failure – public cloud SLAs are typically only 99.99%	Use cloud to solve the DR challenge for on-premises as well as cloud-based machines



03 » YOUR STARTING POINT: A CHECKLIST OF CONSIDERATIONS



Planning

- Establish the migration-architect role to lead the project.
- Identify and involve stakeholders.
- Understand your cloud integration options.
- Establish Cloud KPIS/success metrics.
- Create a strategic plan (for each application).

Your Comments:

Rollout Plan

- Can you carry out migration with minimal disruption?
- Will data still be accessible to users during migration?
- Can changes be synchronised to source data whilst migration is ongoing?
- Does the underlying hardware and OS need to be highly available?

Your Comments:



Post Migration

- Optimise performance – have you hit your KPIs?
- Refine your deployment – do you need all the legacy applications?
- Ensure you are not paying twice for software licences across the cloud and your existing servers.
- Stay on top new security threats and technologies through automation

Your Comments:

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04 » WHAT DOES A SUCCESSFUL CLOUD MIGRATION LOOK LIKE – BEFORE, DURING AND AFTER?



Before a cloud migration –

Having decided to move to the cloud, it is vital to devote sufficient time to creating a rigorous end-to-end cloud migration plan. As well as understanding each team's requirements and legacy systems, all your applications and data sets may have different requirements and considerations, requiring different approaches to cloud migration. You will also want to set out what success looks like in order to evaluate the success of the migration as it progresses, and on completion. Remember, moving to the cloud is not a simple lift and shift of your applications. Cloud is a model, not a place.



During a cloud migration –

As with most projects, internal stakeholders will be key to the successful execution of the migration. You'll need to monitor the performance metrics and give yourself time in the plan to rectify anything which arises outside of the initial project scope. Cloud migration will bring about a fundamental change in how resources are consumed and how the business pays for them, moving from capex to opex, with consumption-based costs for compute and storage.



After a cloud migration –

The metrics you set out at the beginning of the project will help you determine whether the migration succeeded. Following completion there will be a period of operational adjustment. Once it becomes the norm, it's time to refine, and refine some more.

Maximising value from the cloud requires being aware of usage and traffic patterns, and constantly looking for ways **enabling you to Do More** with less. This comes back to good governance and the use of tools which provide greater visibility, such as a usage dashboard, AI, and business intelligence tools.



05» PREFERRED FEATURES. A WEIGHTED DECISION MATRIX

Fill in the weighted decision table to help you decide which provider offers the features that are most important to you and your workforce.

How to complete this decision table:

1. First, weight each criterion to determine what's most important to you in a cloud solution, and feel free to add your own!
2. Next, score your shortlisted providers against each criterion with a score of 0-5
3. Multiply the weight score by the providers' score to calculate the total points for that criterion
4. Add up the combined scores to determine the provider that best meets your needs



Criterion	Vendor Options (scored 0 - 5)								
	Weight	Intercity Technology		Vendor B		Vendor C		Vendor C	
	0-5	Score	Total	Score	Total	Score	Total	Score	Total
Understanding of my challenges									
Enthusiasm to help me succeed									
Solution maturity									
Evidence of successful migrations									
Depth of technology knowledge									
Benchmarked pricing									
Simple pricing model									
Data centre locations									
Backup capability									
Disaster recovery planning									
Data security capability									
Evidence of security track record									
Vendor partner status									
ISO certifications									
Staff vetting									
Service level agreement									
Customer rating - NPS									
Total									



CONCLUSIONS

No matter where you are on your journey to the cloud, here at Intercity we can help smooth out the turbulence and reach your destination of better business.

Cloud solutions aim to keep your business connected and secure no matter where your workforce are or what work they need to do.

More than this, you need a flexible, future-proof solution that can easily grow alongside your business. With our cloud solutions you can maximise your cloud strategy without increasing operational costs, or losing resources to complications with hardware or software.

Intercity ensure your business receives seamless end-to-end communication and protection from any location. Find out more about our cloud solutions.

intercity.technology/touch-technology

» ABOUT CLOUD MIGRATION FROM INTERCITY TECHNOLOGY



A cloud-based workplace facilitates remote working and empowers teamwork opportunities within your team.



Free up your valuable, experienced IT staff to concentrate on more business-critical projects and grow your bottom line.



Moving from physical servers and networking equipment to cloud computing ensures that sudden jumps in workload or users can be handled quickly and efficiently.



Let your people to do what they do best, wherever they are.

