

Migration & Modernisation

Accelerating your AWS Journey



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Overview

How can I drive Sustainable Transformation?

Want to become more agile so you can respond to changes faster?

Then we need to start looking at your application portfolio and workloads.

We know these are complex and have been built over years, that's why we'll employ the 7 R's (see page x) to help you decide whether to retain, retire, relocate, etc, your current application portfolio.

When you **re-evaluate your application portfolio**, you will have the opportunity to **consider the best path** for each: function, feature or business requirement, retain or retire.

For some applications, you may choose to move to the cloud as-is to gain total-cost-of-ownership (TCO) benefits. For others, you may want to invest in rewriting the application in a cloud-native manner to maximise your agility.

We call these **decisions The 7 R's**, and along side AWS and Transputec's expertise, they **will help to unlock your optimisation and acceleration**.

Specifically, **migrating with AWS can lead to** an average:

- **Cost savings of 31 %** - with substantial benefits extending into other metrics.
- **7x fewer downtime hours**
- **62 % boost in IT infrastructure management**
- **3x more features delivered** by IT per year.¹

1. <https://pages.awscloud.com/rs/112-TZM-766/images/AWS-BV%20IDC%202018.pdf>

Why is Migration and Modernisation important to professionals today?

Migration and Modernisation

These terms can have many different meanings, depending on their contexts. But, for simplicity and clarity, here's how we'll be using these words within the pages of this eBook:

Migration

Moving infrastructure and applications to a cloud provider without making any changes to the architecture. Often called rehosting or "lift-and-shift," this can be the fastest way to start realising benefits from the cloud.

Modernisation

The adoption of cloud-native technologies (like AWS Lambda and containers) to reduce operational burdens and maximise cloud value. This is generally achieved via re-platforming to managed cloud services or refactoring (also called rearchitecting) applications.

Today's professionals are **generally tasked to achieve three critical objectives.**

First, they must **respond to customer demands.** This requires fast, dynamic scalability – the ability to quickly and reliably scale up to meet the needs of the customers and back down when demand subsides, again and again, all without wasting budget.

Next, competitive pressures are charging today's professionals with the often-contradictory goals of **succeeding in an increasingly crowded marketplace while also reducing costs.**

Finally, professionals must continuously **win new customers,** delighting them with applications that meet their needs in exciting ways. Today's CIOs must pivot to different directional priorities at a moment's notice – while also pursuing all of them simultaneously.

Professionals are meeting these challenges through application modernisation and transformation of their infrastructure.

They're pivoting to new business models, developing unique and engaging customer experiences, enabling remote working and remote learning for staff and optimising processes for greater agility, more frequent application development and cost reduction.

Cloud migration is often an essential component of these strategies. **The cloud enables faster and more frequent application releases, cost reduction** through greater **management efficiency** and **data center consolidation** and the freedom to direct **more resources toward innovation** by outsourcing administrative tasks.

Why should I Modernise my application portfolio?

Modern applications **increase agility by lowering the time required to build, deploy and maintain applications that can automatically scaled to the needs of the workload.**

Modern applications **also reduce the total cost of ownership (TCO) by improving operational efficiency and resource utilisation.** According to IDC, building **modern applications reduces TCO by 60 percent** over a five-year period, with an average break-even period of nine months.²

From conversations we're having with organisations all around the world, we're learning that it's now more important than ever for modernisation efforts to be accompanied by cost optimisation. But you don't have to compromise on cost when you modernise - modernising your applications can reduce your costs and also enable you to innovate rapidly.

² https://pages.awscloud.com/Gated_IDC_Generating_Value_Through_IT_Agility.html?trk=ar_card

How should I rethink my application portfolio?

All professionals are portfolio managers - and an application portfolio can be built up over years, if not decades.

Most organisations don't have enough IT staff to modernise their entire portfolio at once.

Every business' approach to technology modernisation will be different, just as every organisation has its own unique challenges and technology landscape.

Success will hinge on a complex web of intersecting and divergent elements. However, **with over 15 years of experience helping companies adopt the cloud, AWS has identified some commonalities and patterns that can significantly help the transformation of your IT posture.**

For your larger strategy to be successful, you'll need to reduce the size of your application portfolio by cutting it down to a size that your team can effectively migrate and modernise without overstraining its resources. This is primarily achieved through two methods: replacement and retirement.

Make a plan for your application portfolio.
Focus on your differentiators:

Retire/SaaS

- Reduce the size of the estate through a mix of application retirement and SaaS replacement.

Rehost

- Move the bulk of the remaining application portfolio working with a single cloud provider as quickly as possible.

Re-platform and refactor

- Transform the migrated applications, where developers and engineers can take advantage of the new cloud environment.

What are My Options as I adopt the cloud?

Organisations that migrate a substantial part of their application portfolio early in their journey and combine those efforts with modernisation initiatives generally drive the fastest results.

Migration is often the first step in successful modernisation.

While every customer's migration journey is unique, we have often seen a standardised process take shape. This process can generally be broken into **three phases of activities:**

Assess > Mobilise > Migrate and Modernise

In order to build an effective migration and modernisation plan, you need to ensure that you have a comprehensive strategy that identifies the best pattern(s) for your application portfolio so you can achieve results faster.

The 7 R's: common use cases and deployment

When you deeply understand your application portfolio and the goals of your business, you're well equipped to choose the next path for each application.

Using The 7 R's, you can categorise what is in your environment, what the interdependencies are and the technical complexities of migration.

From there, you can begin to create a plan for how you'll migrate each application or set of applications.

Rehost (also known as "lift-and-shift")

Quickly moving applications to the cloud without changing them.

Refactor (also known as rearchitect)

Changing the way applications are architected and developed, usually by employing cloud-native features.

Re-platform (sometimes referred to as "lift-tinker-and-shift")

Making a few optimisations to applications—but without changing their core architecture, like moving from self-managed Kubernetes to Amazon Elastic Kubernetes Service (Amazon EKS).

Repurchase (casually known as "drop and shop")

Replacing your current environment by moving to a newer version of software or purchasing an entirely new solution.

Relocate

Using VMware Cloud on AWS to quickly relocate up to hundreds of applications virtualised on vSphere to the AWS Cloud in days and without changing them.

Retire

Identifying assets that are no longer useful and turning them off, strengthening your business case by focusing on more widely used resources.

Retain

Leaving the application on-premises—for now, at least.

Transputec Overview

We are an award-winning IT services company based in London, providing comprehensive IT solutions to businesses both locally and worldwide for over 35 years.

Award-Winning
Expertise

Customer First
Approach

Innovative
transformations

Complete Service
Offering

24x7 Support

Transputec is a **leading provider** of IT services with over **35 years of experience**, specialising in **cloud migration, managed services** and **cybersecurity solutions**.

The company is **dedicated** to translating complex technology into **accessible, tailored services** that meet the unique needs of businesses across various sectors.

Transputec's **expert team** focuses on understanding client requirements, ensuring a smooth migration process to AWS, and providing ongoing support to enhance operational efficiency.

With a **commitment to sustainability** and corporate social responsibility, Transputec integrates environmentally friendly practices into its operations, aiming for long-term sustainability goals.

The company's **proactive approach** not only helps clients achieve their digital transformation objectives but also fosters a **culture of innovation** and continuous improvement. By choosing Transputec, businesses gain a **trusted partner** dedicated to **driving growth** and success in an increasingly competitive landscape.

Benefits of Migrating to AWS with Transputec

Migrating to AWS with Transputec unlocks a world of opportunities for businesses seeking to enhance their operational efficiency.

Transputec, a trusted partner in cloud solutions, leverages the power of AWS to provide scalable, flexible, and cost-effective infrastructure tailored to meet specific business needs. Transputec's expertise ensures a seamless migration process, allowing businesses to focus on innovation and growth.

Benefit 1 - Optimised Performance

By utilising AWS's advanced tools, businesses can automatically scale their resources based on demand, ensuring that applications run efficiently even during peak usage times.

This optimisation not only enhances system reliability but also improves overall user experience, enabling organisations to focus on innovation and growth.

Benefit 2 - Cost Efficiency

Transputec helps organisations achieve significant cost savings by leveraging AWS's flexible pricing models.

By eliminating the need for substantial upfront investments in hardware, businesses can adopt a pay-as-you-go approach, only paying for the resources they actually use.

Benefit 3 - Enhanced Security

With Transputec's expertise, migrating to AWS ensures robust security measures are implemented to protect sensitive data. This includes advanced encryption, access controls and regular audits to maintain compliance with industry regulations.

By prioritising security, businesses can operate with confidence, knowing their cloud environment is resilient and secure.

IQPC's AWS

Case Study

Challenge

IQPC recognised the immense potential of Amazon Web Services (AWS) for enhancing their cloud infrastructure but faced challenges in effectively managing costs. While AWS offered unparalleled flexibility and scalability, IQPC encountered rising expenses due to underutilised resources and inefficient configurations

Solution

Transputec conducted a thorough audit of IQPC's core systems and infrastructure, identifying areas for improvement. By optimising IQPC's AWS hosting and services, Transputec introduced advanced monitoring tools, enabling effective management of the cloud environment, reducing wastage, and enhancing operational efficiency.

Benefits

IQPC gained increased scalability, enabling them to adjust resources easily to meet changing demands. Cost efficiency was achieved through AWS's flexible pricing models and enhanced security measures ensured the protection of sensitive data, providing peace of mind.

"Transputec has truly surpassed our expectations, and we are thrilled with the results. The collaboration between Transputec & IQPC highlights the transformative impact of strategic IT management. Through their comprehensive managed services and optimisation strategies, Transputec not only facilitated substantial cost savings for IQPC but also significantly enhanced operational efficiency and system reliability."

Juhel Ahmed, Head of IT

IQPC

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Learn more with Transputec

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