CirrusHQ

aws



Cloud Catalyst:

Transforming public sector organisations for efficiency, ESG excellence and modernisation

For the public sector, the call to achieve more with fewer resources has never loomed larger, and when you add the call for environmental sustainability, the need for a digital makeover that prioritises cost efficiency while also championing sustainability is unmistakable.

Cloud migration opens the door for this, also setting the stage for exploring new technologies like AI for modernisation, all without breaking the bank.

Moving to the cloud is more than an upgrade; it's a practical choice for a future that's streamlined, responsive and most importantly, responsible. That's why central government are lighting the way, directing all public sector organisations to default to public cloud[i]. This approach is mandatory for central government and recommended to devolved departments and the wider public sector.

As a result, many organisations have already made the transition, with an increasing amount planning the journey soon:

NHS England recently announced that it has decommissioned all of its physical data centres following the transition of NHS Spine to cloud-based operations[ii]

85% of schools and universities globally plan to increase their spending on cloud computing in the coming years[iii]

Universities are the heaviest adopters of the cloud in the public sector making up **36%** of total usage[iv]



Uncovering the rewards of cloud adoption

A cloud migration is the beginning of a new era in the public sector. Let's look at the three main ways that a migration strategy could benefit your organisation.

1 Cost Effectiveness

Unsurprisingly, one of the biggest drivers for migrating to the cloud is the potential cost savings and impressive ROI.

- Companies using cloud computing **save 20%** annually on infrastructure costs[v]
- An average company adopting the cloud today could achieve **180% ROI** in business benefit[vi]

These benefits are typically realised in three ways:

Lower Infrastructure Costs

By moving your applications and data storage off-premises, organisations can eliminate costs related to hardware maintenance and upgrades. Furthermore, many cloud providers offer pay-as-you-go pricing models, enabling companies to pay only for resources they actually use.

Greater Scalability

The cloud's ability to quickly scale up or down according to changing business needs is another advantage of making the move. This adaptability allows you to save money and respond more effectively in times of high demand or sudden growth without being constrained by resources.

Simplified IT Management

The centralisation of the cloud reduces the complexity and cost of managing multiple vendors, software licenses and hardware configurations. Furthermore, managed services offered by cloud providers can offload routine tasks such as patching or backups to their expert teams, freeing up your internal resources for more strategic initiatives.

2 Large-scale and immediate environmental, social and governance (ESG) benefits

Unsurprisingly, one of the biggest drivers for migrating to the cloud is the potential cost savings and impressive ROI.

- By moving to Infrastructure-as-a-Service (IaaS), eco-friendly brands can reduce carbon emissions by **up to 84%** and energy consumption by **up to 64%**[vii]
- Cloud computing alone will **prevent 629 million** metric tons of CO2 from entering the atmosphere between 2021 and 2024[viii]

3 Transformation & Modernisation

The cloud has heralded a new era of efficiency and modernisation, unlocking the potential for agility and streamlined operations.

The benefits extend beyond conventional upgrades, with the integration of Artificial Intelligence (AI) tools emerging as a game-changer.

Leveraging AI tools that are only available in the cloud environment empowers you to glean actionable insights from vast datasets, enhance decision-making processes and automate routine tasks to position enterprises at the forefront of innovation.

Use cases include:

- Automating routine administrative tasks.
- Analysing social trends, feedback and economic data to inform policy-making.
- **82%** of enterprises view migration as the stepping stone to digital transformation[ix].
- Migration to the cloud enhances productivity by **62%**[x].

The public sector: A unique set of challenges when it comes to migration

As a public sector organisation, you may find yourself asking some questions that include:

- How are we going to **remain secure and compliant** when it comes to our sensitive data?
- Can we **maintain essential functionality** while integrating our legacy systems?
- Is there a **cost-effective solution** on the market that's right for the organisation in terms of scalability and performance?
- Who can help us manage the transition and **ensure that our staff are comfortable with new technologies** and processes?

To help alleviate these concerns and acknowledging the significant investment you will have already made in on-premises infrastructure, a phased migration approach can be beneficial.

- **58% of organisations** adopt a hybrid cloud strategy, leveraging both on-premises and cloud infrastructure, allowing for a phased migration approach[xi].
- By 2024 **75% of organisations** will have deployed a hybrid cloud model, indicating a growing trend of gradual cloud adoption rather than a massive transformation[xii].

However, it is important to remember that, even with a partial migration, it is difficult for public sector organisations to move to the cloud with in-house resources alone.

Partnering with an expert and trusted cloud service provider can provide the acceleration you require.

- Organisations leveraging external cloud migration services experienced **2.3 times faster** cloud adoption rates compared to those relying solely on internal resources[xiii].
- **80%** of organisations acknowledge that collaborating with external experts and service providers enhances their capacity to effectively handle cloud-related risks[xiv].

This is where the AWS Migration Acceleration Programme, and a partnership with CirrusHQ, may be the ticket to cloud migration that you have been looking for.

Secure, comply, scale and save with AWS – The No1 choice for the public sector

As the chosen commercial cloud provider for **over 6,500** government agencies, AWS addresses the complex balance between economic efficiency, agility and the critical pillars of security, compliance and reliability.

By offering hybrid cloud computing, it also serves those looking to maintain private, on-premises data and systems.

Delivering capabilities across all classification levels, from Unclassified to Top Secret, AWS' shared responsibility model empowers you to retain control of the security you choose to implement to protect content, platform, applications, systems and networks no differently than you would in an on-site data centre.

What's more, you'll have the ability to scale as needed.

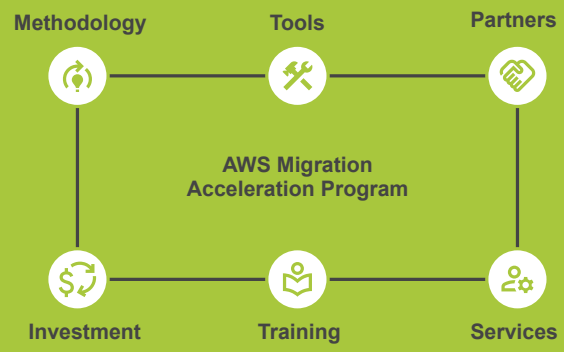
- A study by 451 Research found that AWS infrastructure is **five times more efficient** than the median of surveyed enterprise data centres in Europe[xv].
- AWS typically saves local authorities **between 50-60%** when moving from an on-premises data centre to the AWS Cloud[xvi].
- Assurance programmes with which AWS complies include International Organization for Standardization (ISO) 27001, ISO 9001, ISO 27017 and ISO 27018.

"AWS Technology is vast and CirrusHQ have engaged with us to understand our requirements, propose a sensible way forward, and help us to execute that."

Andre Zelenka, Head of IT Infrastructure, Birkbeck, University of London

AWS Acceleration Programme

By utilising the **AWS Migration Acceleration Programme** framework, public sector organisations **greatly increase their odds of success and speed to market** through a simple, three-step approach:



1 Assess

Discovery and assessment

- Rapid discovery
- TCO report
- Briefings and workshops
- Migration Readiness Assessment

2 Mobilise

Build momentum and gain experience

- Discovery and planning
- Migration plan
- Business case/migration evaluator
- Migration experience
- Skills/center of excellence
- Landing zone
- Operating model
- Security and compliance

3 Migrate and Modernise

Accelerate, scale and modernise

- Scale
- Operate and optimise
- Modernise

At CirrusHQ, we are currently offering limited access to **FREE, no-obligation Migration Readiness Assessments.** These engagements that are both technical and business-minded in approach, capture your entire estate, include interactive activities and will diagnose migration readiness of your infrastructure and apps, aligning leadership teams and build a financial and operational case for change.

We have an extensive track record in successfully migrating public sector organisations to the cloud.



Chartered Institute of Public Finance & Accountancy (CIPFA)

CIPFA is a UK-based international accountancy membership and the only standard-setting body dedicated to public financial management. It provides its members and clients with many services including a suite of online training and qualifications services.

Challenge

CIPFA had a complex legacy IT estate, with its applications running on physical infrastructure hosted inside an MPLS network that impeded collaboration with third parties.

The historical and continued growth of the legacy infrastructure had impacts on developing modern, flexible applications.

Solution

CirrusHQ was engaged by AWS to migrate all CIPFA legacy systems, refactoring them for AWS. The task also involved ensuring that the foundational infrastructure landscape adhered to current AWS best practices.

We provided CIPFA with a consolidated location for all workloads in each phase, along with an AWS best-practice blueprint for a swift progression that would fully capitalise on the advantages of AWS Cloud.

Additionally, we ensured that CIPFA possesses robust, governed, and secure building blocks essential for safeguarding and expanding the CIPFA brand and workloads.

Benefits

CIPFA now has a robust and resilient environment that allows them to adopt modern practices and support their ambitious roadmap for future Digital Transformation.

This has met CIPFA's strategic future IT vision, to save time from managing physical hardware and gain more operational efficiency.

Begin your journey to migration success today

Get in touch now to grab your slice of the free funding pie through the CirrusHQ Migration Assessment.

LEARN MORE



About CirrusHQ

Highly Accredited Consultants

Here at CirrusHQ, we are proud to be an AWS Advanced Consulting and Solution Provider partners and the only UK-based partners to hold the AWS Education Competency and the Well-Architected Framework certification.

We are uniquely positioned to support your organisation.

+93

Outstanding Customer Satisfaction NPS Score

80+

Staff Certifications

Highly Experienced

Our combination of brilliant business business strategy knowledge.

16 years of experience and technology expertise will help you to simplify and streamline your cloud migration and digital transformation.

16 YEARS

experience of taking organisations to the cloud

21

AWS Regions Providing Client Support

Our Care For Our Customers

At CirrusHQ, the implementation of our services and the experience is core to our mission.

We take pride in delivering at the highest standards and this dedication is relfected in our Net Promoter Score (NPS) - our customers rank us at excellent, giving us an NPS of +93.

100%

AWS experts - exclusively AWS

16

AWS Partner Accreditations

CirrusHQ



CirrusHQ | aws

Find out more
www.cirrushq.com

Sources: 1.UK Government 2.Data Centre Review 3.ZipDo 4.Medium 5.Gitnux 6.McKinsey 7.Accenture 8.ZDNET 9.Microsoft 10.IDC 11.Flexera 12.Gartner 13.451 Research 14.Harvard Business Review 15.AWS 16. AWS