

AWS Cloud Migration

G-Cloud 15 Service Definition



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1. Service summary

Digital Space provide this service to enable you to migrate your workloads, systems and applications into the AWS cloud from wherever they run today be that data centre, co-location or another cloud platform.

Our detailed, comprehensive process provides a framework for us to work closely with you and your teams across your organisation to understand your:

- Applications and systems
- Business processes
- Operations
- Security requirements
- Cost and budgets
- Timescales
- Future goals

We help you fully plan your cloud migration journey and execute it, collaboratively with you and your teams, to achieve a successful migration both on time and budget.

2. Features & benefits

High calibre, certified Architects	Highly skilled, experienced team with deep and wide knowledge
Proven process and methodology	We have been migrating organisations into Cloud environments for 10+ years
Take advantage of new platform capabilities	We help migrate workloads and take advantage of cloud-native services
Improve security	Official and Official Sensitive solutions design experience
Meet sustainability goals and targets	Cloud offers significant sustainability improvements that can be measured
Funding options	Collaboration with you and AWS for funding to lower costs



3. Why choose Digital Space?

Cloud	Digital Space has more than twelve years' experience in providing Cloud solutions as an AWS Advanced Partner, a Microsoft Gold Partner and an IBM Gold Partner. It also has its own UK-based private Cloud and so is able to offer hybrid and multi-Cloud services that meet all needs from basic co-location, through to full public Cloud.
Connectivity	Cloud requires reliable connectivity and Digital Space is able to provide that through its own networking and connectivity business which includes a dedicated national network as well as the ability to provide everything from mobile connectivity to PWAN and SD-WAN solutions.
Security	Digital Space Cloud solutions have security built-in via the use of architectural patterns and technical staff who are Security Cleared but we also have partners who are security experts and can offer everything from Security Operations Centre as a service to ethical hacking and penetration tests.
Managed Service	Digital Space is expert in providing managed services and has held the AWS Managed Service Partner accreditation which involves regular external audits for more than 9 years. We also hold the following accreditations: ISO27001 – Information Security ISO27017 – Cloud Security ISO 20000 – IT Service management ISO14001 – Environmental management ISO9001 – Quality Management Our experience in this area means that we can either run services for you, making use of our automated Cloud monitoring services and Security Cleared experts, or implement services that can be easily managed and then train your team in how to provide that service themselves. Migrating your workloads to AWS allows you to innovate quickly by having compute infrastructure ready as required, enabling you to respond more quickly to shifting business conditions.
Public sector	Digital Space is experienced in working with the public sector including managing critical national infrastructure for central government, deploying artificial intelligence services for the NHS and delivering Cloud migrations for a wide range of organisations. This experience means that we understand your drivers and focus and are better able to supply your needs.
Innovation	In addition to a wide range of infrastructure engineers and architects, we also have developers who create innovative solutions on Cloud platforms.



4. Detailed service offering

Discovery

All successful migrations start with an initial discovery phase. This enables us to:

- Understand the breadth and depth of your organisation
- Determine the applications, systems and workloads used
- Learn about your current issues/pain points
- Talk to you and your teams to get operational understanding of your business
- Understand your security requirements
- Plan your migration
- Identify opportunities for transformation and improvement

We undertake this phase using a number of steps:

- Automated discovery tooling to learn technical details of your environments and usage patterns
- Workshops with people across multiple areas (business, technical etc.)
- Data collection and refinement with spreadsheets
- Migration Readiness Assessment tools

The output from the discovery phase is a report, and associated documents, that gives you a full plan for a migration project providing details of what, when and how systems will be migrated.

Key focuses also include:

- Backup and DR strategies aligned to your business
- Operations
- Security management and operations

Target Operating Model

We work with you and your operations team to determine how your organisation can transform to take advantage of the capabilities that cloud services provide.

We look at your existing operations including:

- Backup and DR
- System design to maximise uptime and resilience
- Systems management and maintenance
- Governance
- Request and service management

We can build an appropriate model that will enable your teams to run your IT functions efficiently while minimising the time spent on repetitive and routine management operations.

Security

We take a deep dive into your existing security landscape and capabilities and look at any specific security or compliance requirements you have.

Security is built into the heart of everything we do and we align with the NCSC cloud security principles as well as other security management frameworks.



We work with you to reduce the threat exposure of your organisation and minimise the amount of manual work that is required e.g. SSL certificate management through cloud native services and automation.

Business Case

We help you build the business case for your organisation by providing detailed cost models and projected operating costs over a multi-year period.

We can assess the transformation of your business systems to other cloud-based solutions e.g. systems moving to SaaS offerings and build this into the cost model to help you understand what cloud costs will look like over time to better strengthen the business case you have.

Transformation

We look at the potential for removing legacy systems within your environment and replacing them with cloud native alternatives. Examples of this are replacing legacy database server virtual machines with managed database services e.g. AWS RDS.

Removing legacy systems and replacing them with more modern, managed cloud-based services enables you to operate more reliably, securely and with greater scalability while reducing the operational overhead enabling your teams to focus on more important business transformation activities.

Migration Project Approach

Our project approach is based on the AWS best practice – the cloud adoption framework.

Project's break down into three phases – Assess (or discovery), Mobilize and Migrate & Modernize.

During the assess phase (discovery) we work with you to help you understand your current environment and what that environment will look like in the cloud – this helps generate a total cost of ownership. We also work with you to build out a holistic requirement set incorporating everything you need to successfully operate in the cloud.

During the mobilize phase we finalise application dependencies and break down the migrations into sprints – refining the project plan created in the assess (discovery) phase. We create the landing zone in AWS which is the scalable building block of your cloud environment. We run pilot app migration(s) to prove the migration factory approach. At the end of the mobilize phase everything is in place to roll into an agile and rapid migration to the cloud.

During the migrate & modernize phase, applications are migrated to the cloud on a sprint-by-sprint basis, following the migration patterns identified during assess & mobilize (the 7Rs). At this point there will be live apps in production in the cloud, so there will be an operations workstream supporting from the first sprint.

Managed Service

We are an AWS MSP (and have been for more than 6 years) and can provide a full managed service, if required, or work with your team to create a tailored service where we work closely with your teams in the management of your environment.

We can provide our services as a tapering model that means we take on more responsibilities at the start and, as we work with your teams and help them understand the new environment, reduce our service over time so that you can fully manage your own environment when you are ready to.

**Funding Options**

We have a close relationship with AWS and understand the various funding programmes that exist to help customers reduce the cost of migrating into the AWS cloud.

We can work with you to understand the best options available to you and ensure that you don't pay more than you need to for the environments that you need to operate your business.

A key offering here is our capability to provide multi-year discounts through the OGVA (One Government Value Agreement). We can execute OGVA agreements to ensure that you are getting the best value for money and the highest level of discounts possible for your ongoing AWS usage.

As a reseller we can also provide additional discounts that are not available from AWS directly or other resellers and will always discuss these options with you as part of our migration service.



5. Complementary services

Business Continuity	Digital Space Backup as a Service Digital Space Disaster Recovery as a Service Digital Space Microsoft 365 native Backup as a Service Digital Space Microsoft Teams Backup as a Service
Communications	Digital Space 8x8 Cloud PBX Digital Space 8x8 Hosted PBX Digital Space 8x8 Meetings Collaboration Digital Space 8x8 Video Conferencing Digital Space 8x8 Voice for Microsoft Teams Digital Space Hosted Mitel Cloud (Flex)
Connectivity	Digital Space Managed SD-WAN Service
Contact Centre	Digital Space 8x8 CCaaS (Contact Centre as a Service) Digital Space 8x8 CPaaS (Contact Platform as a Service) Digital Space 8x8 UCaaS (Unified Communications as a Service) Digital Space 8x8 XCaaS (Experience Communications as a Service) Digital Space Amazon Connect Administrative Extensions Digital Space Cloud Contact Centre (Amazon Connect) Digital Space Cloud Contact Centre Managed Service
Migration	Digital Space Cloud migration Microsoft 365 Discovery Digital Space Microsoft 365 Migration Digital Space Cloud Contact Centre Migration
Platform	Digital Space AWS Managed Service Digital Space Azure Managed Service / Platform Digital Space Cloud Architecture, Design and Build Services Digital Space Cloud Solution Brokerage & Implementation Digital Space FinOps & Cloud Cost Optimisation Digital Space Private Cloud Managed Service Digital Space Well Architected Review



6. Copyright

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