UKCloud for Microsoft Azure

What is UKCloud for Microsoft Azure?

UKCloud for Microsoft Azure harnesses the innovation of Microsoft's Azure platform. The service is delivered from within our award-winning government-grade multi-cloud environment – addressing the service, connectivity and diversity requirements of UK public sector organisations and their industry partners. UKCloud can also support your deployments on Azure public, giving you one partner for all your Microsoft Azure environments.
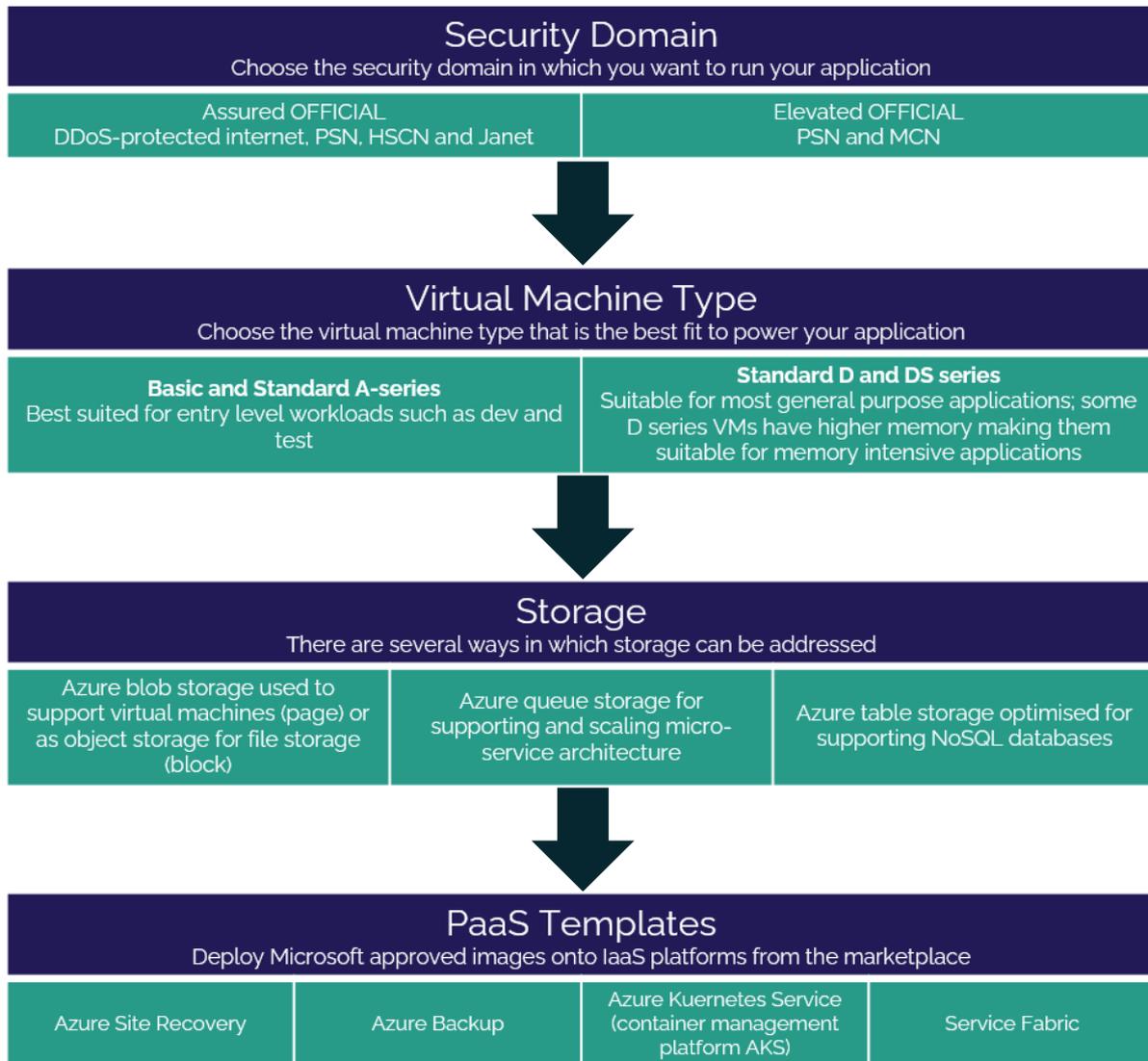
What the service can help you achieve

- Utilise existing Azure skills and developer productivity through consistent application development, enabling you to standardise on skills and tooling and start modernising your applications by increasing operational efficiency
- Use UKCloud as your partner for your Azure public deployments, allowing for a seamless hybrid cloud experience
- Meet your compliance requirements – your data never leaves the UK when at rest on our platform, which is capable of supporting data classified up to Above OFFICIAL
- Ensure that your application is always available – build sovereign, disaster-tolerant solutions on Azure utilising our multiple UK sites, or combine a UKCloud region with the UK region of Azure
- Leverage low latency connections to Crown Hosting, enabling you to build hybrid, private or public cloud solutions that span both of our UK sovereign data centres
- Add operational resilience to existing facilities or extend your estate to cope with growing workloads with hybrid cloud solutions

🔀 Product options

The service is designed to be flexible and enables you to mix and match from a range of pre-defined options for each virtual machine.

Security Domain
Choose the security domain in which you want to run your application

Assured OFFICIAL DDoS-protected internet, PSN, HSCN and Janet	Elevated OFFICIAL PSN and MCN

Virtual Machine Type
Choose the virtual machine type that is the best fit to power your application

Basic and Standard A-series Best suited for entry level workloads such as dev and test	**Standard D and DS series** Suitable for most general purpose applications; some D series VMs have higher memory making them suitable for memory intensive applications

Storage
There are several ways in which storage can be addressed

Azure blob storage used to support virtual machines (page) or as object storage for file storage (block)	Azure queue storage for supporting and scaling micro-service architecture	Azure table storage optimised for supporting NoSQL databases

PaaS Templates
Deploy Microsoft approved images onto IaaS platforms from the marketplace

Azure Site Recovery	Azure Backup	Azure Kuernetes Service (container management platform AKS)	Service Fabric

Private cloud deployment:

IaaS and PaaS on a dedicated infrastructure. Service options include:

- **Azure Infrastructure services.** Dedicated virtual machines.
- Platform services:
  o **Azure App Service.** Create applications for any platform or device. Automate business processes and host cloud APIs.
  o **Azure Functions.** Serverless computing technology that enables you to build applications faster.
  o **Database services for SQL and MYSQL.** Enables simple consumption of databases for cloud-native applications, websites and workloads.

- Deployment options:
  o **Location.** Deploy and manage from a variety of locations: UKCloud hosted, Crown Hosting or your own data centres.
  o **Flexible purchase options.** Based on Capex, Opex or bring your own infrastructure.

Additional deployment options:

- **Microsoft Azure's public cloud services.** UKCloud can support with your licensing, management and utilisation of tenancies on the Microsoft public cloud. **Get in touch to find out more.**

Pricing and packaging

UKCloud for Microsoft Azure VM pricing can be as low as 3p per hour. Full pricing with all options, including public Azure, licensing and connectivity, is available in the UKCloud Pricing Guide.

Accreditation and information assurance

The security of our platform is our number one priority. We've always been committed to adhering to exacting standards, frameworks and best practice. Everything we do is subject to regular independent validation by government accreditors, sector auditors and management system assessors. Details are available on the UKCloud website.

Connectivity options

UKCloud provides one of the best-connected cloud platforms for the UK public sector. We enable access to our secure platform by DDoS-protected internet, PSN, Janet, HSCN, MCN and your own leased lines via our HybridConnect or CrownConnect services. The full range of flexible connectivity options is detailed in the UKCloud Pricing Guide.

🔒 An SLA you can trust

We understand your workloads need a dependable service that underpins the reliability of the application to users and other systems, which is why we offer one of the best SLAs on G-Cloud. For full details on the service SLA, including measurements and service credits, see the SLA Definition article on the UKCloud Knowledge Centre.

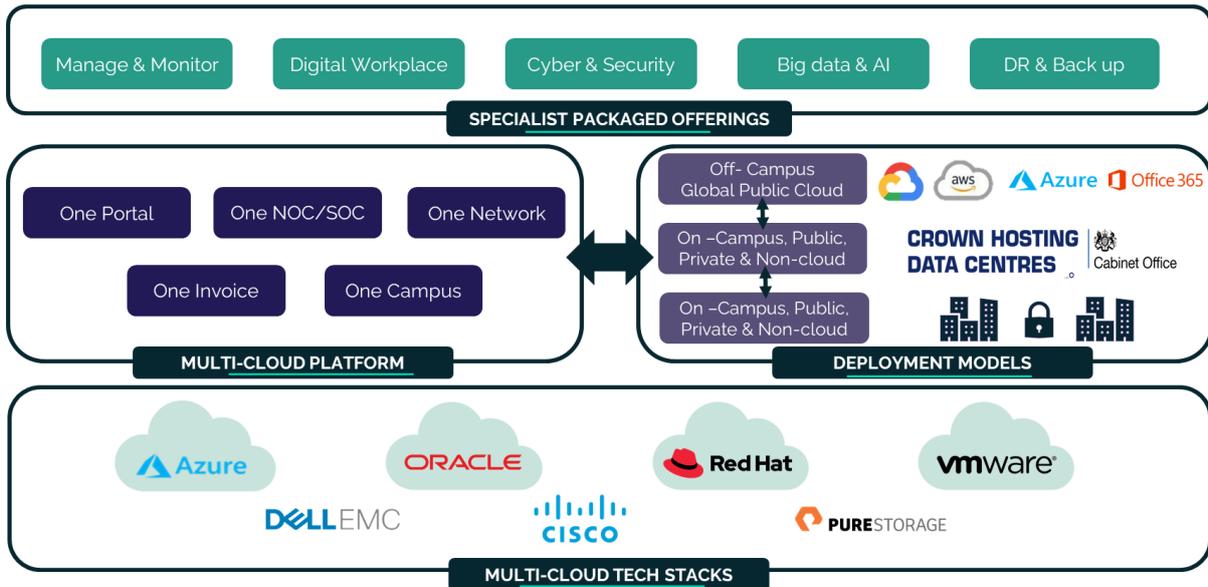|		
Platform SLA	99.90%	
Portal SLA	99.90%	
Availability calculation	Availability indication is based on an average 730 hours per month. Excludes planned and emergency maintenance.	
SLA measurement	Availability of all or part of the storage infrastructure.	
Key exclusions	Applies to All-Inclusive, UKCloud Hosted and Crown Campus Hosted	Deletion or modification of files by customer resulting in data loss. Any access provided by you to your user base that takes the storage system beyond its recommended performance and connectivity thresholds. Faults within external connectivity providers (for example DDoS-protected internet, PSN, Janet or HSCN) and components co-located at UKCloud.
	Applies to customer- supplied hardware	As above, plus; any loss of connectivity or data including data corruption as a result of you or your suppliers installing new or additional capacity to the storage system.
	Applies to Crown Campus Hosted	As above, plus; any platform outages causing disruption to power and cooling (as they are out of UKCloud's control).

📄 The small print

For full terms and conditions, including onboarding and responsibilities, refer to the Terms and Conditions documents.

For full information regarding this product, we have Service Scopes, FAQs and other relevant articles on our Knowledge Centre.

☁ Why UKCloud?

UKCloud is dedicated to the digital transformation of our nation's public services through our flexible, secure and cost-effective multi-cloud platform and the expertise of our people and partners. We believe that diversity of technology drives value and innovation and so we bring together different cloud technologies, with different deployment models spanning on-premises (private cloud), on-campus (Government's Crown Campus) and off-campus global public cloud services. This enables you to choose the right cloud for creating new workloads or migrating or replacing existing applications to the cloud with specialist SaaS solutions.

Manage & Monitor	Digital Workplace	Cyber & Security	Big data & AI	DR & Back up

SPECIALIST PACKAGED OFFERINGS

One Portal	One NOC/SOC	One Network
	One Invoice	One Campus

MULTI-CLOUD PLATFORM

Off- Campus Global Public Cloud

On –Campus, Public, Private & Non-cloud

On –Campus, Public, Private & Non-cloud

CROWN HOSTING DATA CENTRES | Cabinet Office

DEPLOYMENT MODELS

Azure ORACLE Red Hat vmware

DELL EMC CISCO PURE STORAGE

MULTI-CLOUD TECH STACKS

We recognise the importance of public services to UK citizens and businesses, which is why we include the highest level of support to all our customers at no extra cost. This includes dedicated 24/7 UK support, a Network Operations Centre (NOC), utilising protective and proactive monitoring tools, and access to UKCloud's experts. UKCloud can also provide outcome-based professional services or managed services to help you with digital transformation.