

UKCloud for OpenStack



What is UKCloud for OpenStack?

UKCloud for OpenStack is engineered specifically for organisations embracing digital transformation and delivering true cloud-native applications; facilitating the creation of elastic infrastructure as code, which can be built once and run anywhere at any time to take full advantage of the benefits of cloud. Powered by Red Hat's OpenStack Platform, this service provides a full suite of modern, highly scalable and flexible IaaS services that address the needs of DevOps and WebOps communities. OpenStack's ease of use and openness enables delivery of Digital by Default services and solutions.

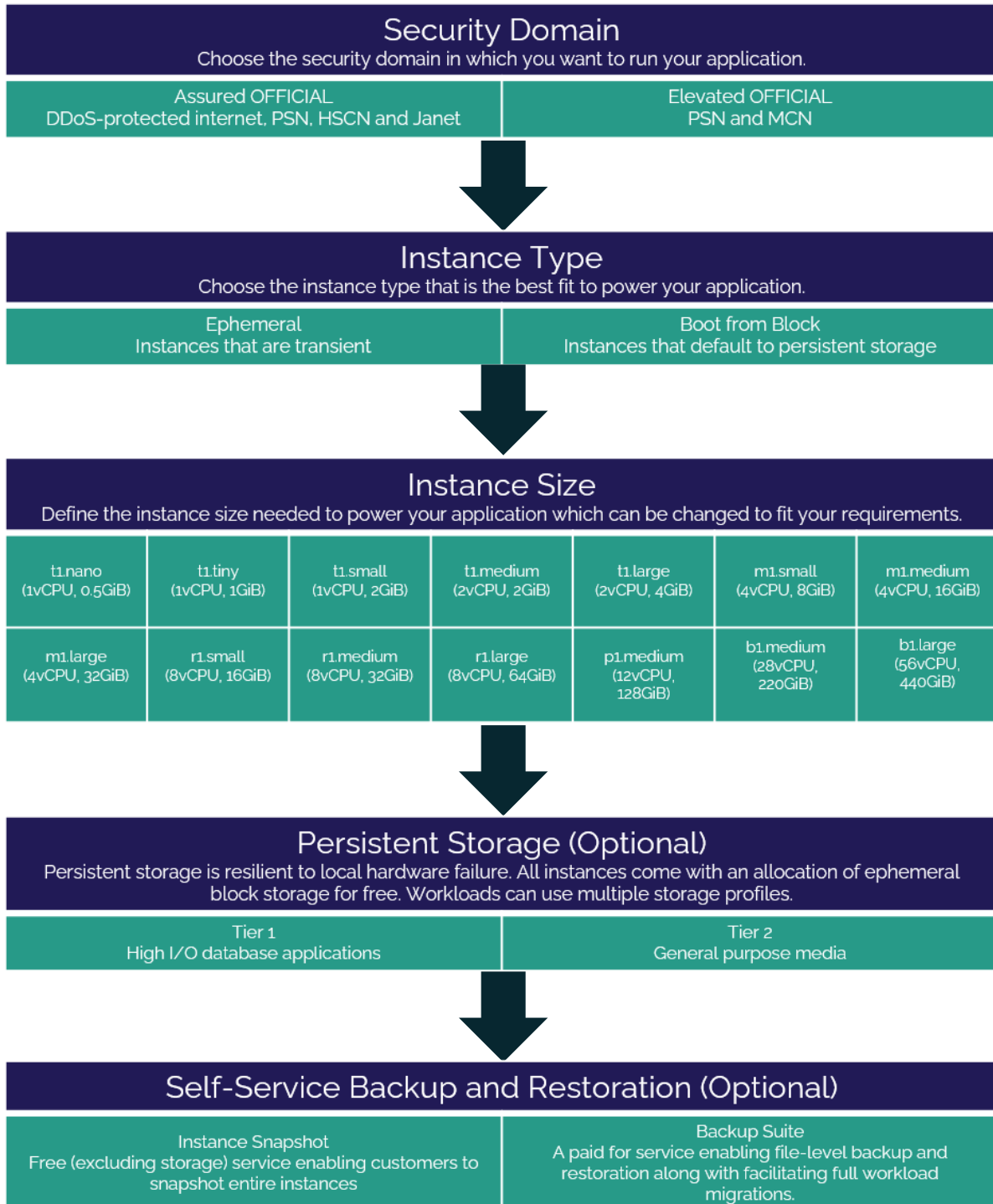


What the service can help you achieve

- Deliver digital transformation projects with high levels of trust and assurance, combined with flexibility and scalability
- Develop agile and innovative cloud-native applications in line with the [Twelve-Factor Application](#) architecture on a cloud platform built specifically supporting the GDS Service Design Manual
- Meet the increasing data flood demands from IoT and edge devices using a rapidly horizontally scaling, elastic platform
- Support your hybrid and multi-cloud cloud strategies; span across on-premises, private cloud and Crown Hosting environments
- Reduce the risk of vendor lock-in – build your environment once and run it anywhere that supports OpenStack
- Test and deploy emerging technologies such as big data analytics and containerisation natively on a cloud platform

 **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 instance and change them when required.





Pricing and packaging

UKCloud for OpenStack instances pricing can be as low as 1p per hour. Full pricing with all options, including licensing and connectivity, is available in the [UKCloud Pricing Guide](#).

Instance flavour	vCPU	RAM (GiB)	Ephemeral HDD (GiB)	Security domain	
				Assured (£/hour)	Elevated (£/hour)
t1.nano	1	0.5	10	£0.010	£0.020
t1.tiny	1	1	10	£0.015	£0.030
t1.small	1	2	20	£0.030	£0.050
t1.medium	2	2	40	£0.035	£0.055
t1.large	2	4	40	£0.040	£0.060
m1.small	4	8	60	£0.060	£0.100
m1.medium	4	16	60	£0.140	£0.180
m1.large	4	32	60	£0.300	£0.360
r1.small	8	16	60	£0.160	£0.220
r1.medium	8	32	60	£0.350	£0.400
r1.large	8	64	60	£0.700	£0.800
p1.medium	12	128	60	£1.300	£1.450

Instance flavour	vCPU	RAM (GiB)	Ephemeral HDD (GiB)	Security domain	
				Assured (£/hour)	Elevated (£/hour)
b1.medium	28	220	7200	£3.50	£4.00
b1.large	56	440	14400	£5.00	£5.50

Persistent block storage (per GiB/per month)	
Tier 1	£0.25
Tier 2	£0.10



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 that enterprise 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.

	Data Plane per region (Instances)	Control Plane (OpenStack API and Horizon GUI)
Service level agreement	99.95%	99.95%
Portal level agreement	99.90%	
Availability calculation	Availability is calculated based on the number of hours in the billing month (for example, 744 hours for months with 31 days), excluding any planned and emergency maintenance.	
Measurement of SLA	Inability to deploy/re-instantiate an Instance via the API at the same time as an existing Instance failing.	Inability to receive a response to any valid requests submitted to the appropriate OpenStack API endpoint after seven retries in any consecutive 10-minute period.
Key exclusions	The following are examples of what is not covered by the SLA: <ul style="list-style-type: none"> Faults within your control, such as client applications and custom configurations (for example customer-defined networks) Faults within external connectivity providers (for example DDoS-protected internet, PSN, Janet or HSCN) and components co-located at UKCloud 	



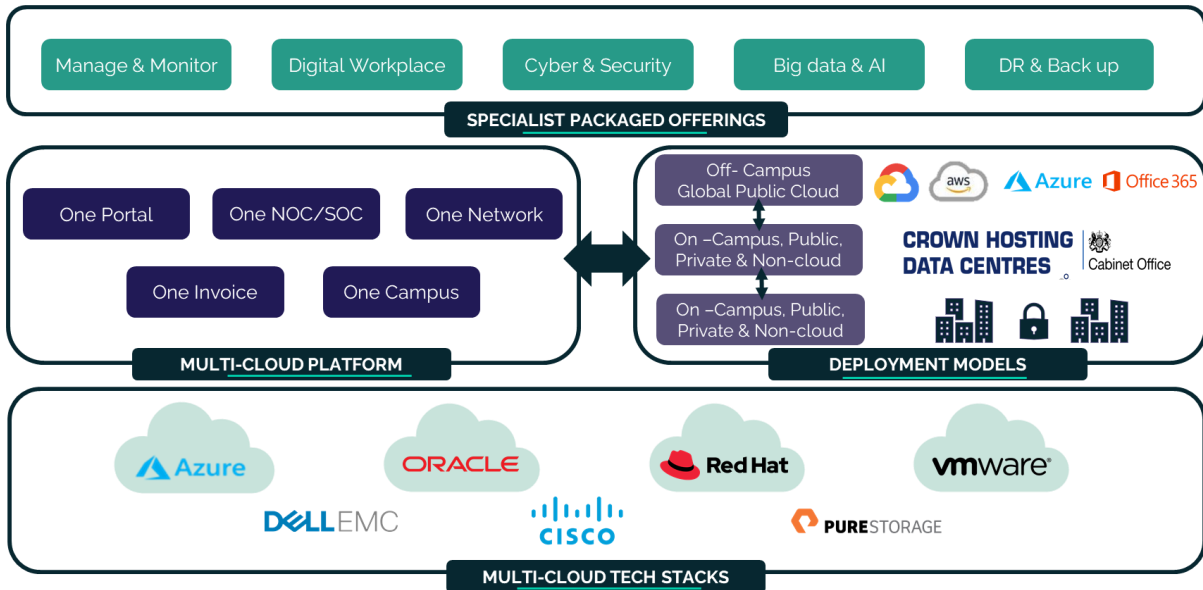
The small print

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.



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.