Data Protection Options

UKCloud provides multiple options to protect your workloads running on our VMware platform, Enterprise Compute Cloud.

Our data protection options allow you to design resilience into your solutions, and protect against disruptions such as ransomware attacks, infrastructure failures, security issues, user errors, and natural disasters. With protection from UKCloud, you can limit disruption and quickly recover systems.

Protect against ransomware

Restore to a known safe point to mitigate the damages caused from malicious attacks, and provide a solution for your business continuity.

Upgrade confidence with isolated testing

Our protection options allow you to recover from damaging software updates, by rolling back workloads to a known safe point.

Simulate Disaster Recovery

Ensure protection workloads meet your business continuity targets, whilst testing disaster recovery plans and RTO's, without affecting service availability.

ukcloud | factsheet

Multi-cloud experts.
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Journaling Protection (powered by Zerto)

Journaling Protection is a powerful self-service disaster recovery solution that can improve organisational resilience and enable the seamless migration of applications. Journaling Protection captures every change that takes place inside a VM, and captures these changes within a journal for up to 28 days, with recovery points just seconds apart enabling;

- ✔ **VMs to be self-restored using known safe points**
- ✔ **Failover to a UKCloud recovery site, allowing for business continuity**
- ✔ **Protection Groups with specific rules to be created for the required vApps**

This solution is ideal for customers protecting critical applications requiring consistent and frequent RPOs. These can be self-restored to lower RTOs and provide safe recovery points for live failover, and test and development workloads.

Snapshot Protection

Snapshot protection operates as an automated daily backup which can be provisioned for 14 or 28 days. Every 24 hours, a snapshot of the entire VM is created, securely stored and available in line with your chosen protection period of either 14 or 28-days. This option provides;

- ✔ **Automatic snapshots between 20:00 to 8:00 every day**
- ✔ **Up to 28 days' worth of recovery points**
- ✔ **A dedicated back-up system that stores an image of your VM outside the core platform**

This is ideal for customers who only require a back-up every 24 hours for less critical services or where data is not constantly changing.

Synchronous Protection

Synchronous protection is designed to offer geo-resilience to your live environments by spreading them across both of our sites. To achieve this, we utilise synchronous replication between sites to ensure that any changes made to your environment are committed to arrays in both sites simultaneously. Our Synchronous protection option also provides;

- ✔ **A single RPO allowing you to failover your services between sites**
- ✔ **An Active-Passive design, where all changes are automatically replicated to a second UK site**
- ✔ **14-day snapshot free of charge**

This is ideal for customers who want a single RPO with real-time resiliency.

	Journaling Protection	Snapshot Protection	Synchronous Protection
Automated restore	✔	X	X
Multiple RPOs	✔	✔	X
Self-service	✔	X	X
Geo-resilient solution	✔	✔	✔