

## Data Services

Regardless of whether your data is ultra-high resolution video streams, or sensitive heavily regulated personally identifiable information, at Advanced we have data storage and backup capabilities to address every need.

### Data Storage Services

We offer on-demand storage in our UK Data Centres. As well as this, we can design custom dedicated deployments for you, where regulation and compliance, or very high performance dedicated solutions are needed.

### Advanced Private Cloud Storage Solution

Our standard, on-demand, data storage solutions in our UK Data Centres utilise block storage on both standard and solid state disk. They address typical data storage needs, meeting both standard and high throughput workloads. Our storage solutions are configured by default as full high availability, which ensures zero downtime when upgrades are needed. These data services are the best-in-class data storage capabilities of our ISO27001 certified TIA-942 Tier 3 UK Data Centres.

We design the functional capability of our services to ensure that the very highest storage requirements can be met.

This is highlighted in the features below:

- > Fully managed by our experts
- > Data is encrypted when at rest, and not travelling across a network

- > Automated tiering
- > Replication for enabling quick Disaster Recovery
- > Integration with Site Recovery systems
- > Storage provisioning and scaling that does not disrupt your business
- > Multi-path data access
- > Cluster aware

The Storage Service infrastructure capabilities are designed for maximum performance, availability and scalability:

- > All hosts are able to connect to the infrastructure across two highly available fibre channel fabrics
- > Hosts can choose to connect at 4, 8 or 16 Gbps fibre channel speeds
- > All storage systems have dual controllers. This enables upgrades to take place without downtime being necessary
- > All hosts can access each controller via alternate paths for resilience, and, where capable, utilise I/O multi-pathing

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- > Storage is provided from pools that combine ultra-fast SSD, fast Enterprise SAS, and capacity-based near line disk drives
- > Storage can be requested from 1GB in size, up to 16TB in 1GB increments. For this, 1GB is equated to 1024MB
- > Backup verification checks, to ensure the backup is always available when a restoration is needed.
- > Backup success and failure reports, and comprehensive service reporting, meaning we always know exactly what is happening with your data.
- > Restore tests that are scheduled to fit your business needs.
- > Granular retention policies to ensure your regulatory and compliance needs are satisfactorily addressed.

Where our Private Cloud storage services are not able to meet your needs from a location, performance, cost or regulatory and compliance perspective, we also offer fully tailored storage services designed and built around your specific requirements.

## Data Backup Services

We offer a fully managed and supported Backup Service utilising secure, dual-site backup and restoration capabilities. Our Backup Service supports multiple operating systems, including Windows, Linux/UNIX, HP-UX, IBM i and SunOS, and is fully supported by expert guidance. This ensures that your data is always available to you.

Each one of our Backup Services is designed to meet the needs of your business, and can be tailored during the lifecycle of the service to fit your business' exact requirements.

Our Data Backup Service offers the following features:

- > Backup that is aware of, and reactive to, your system and application.
- > Data restoration from file level up to Bare Metal, across supported operating systems, database, email, and document management platforms.
- > Data security using advanced encryption standards when data is both at rest, and in transit.
- > Data compression and deduplication, which reduces the size of data at rest and in transit, conserving the space on your servers.

## More information

**w** [oneadvanced.com](http://oneadvanced.com)  
**t** +44(0) 8451 605 555  
**e** [hello@oneadvanced.com](mailto:hello@oneadvanced.com)

Ditton Park, Riding Court Road, Datchet, SL3 9LL

Advanced Computer Software Group Limited is a company registered in England and Wales under company number 05965280, whose registered office is Ditton Park, Riding Court Road, Datchet, SL3 9LL. A full list of its trading subsidiaries is available at [www.oneadvanced.com/legal-privacy](http://www.oneadvanced.com/legal-privacy).