



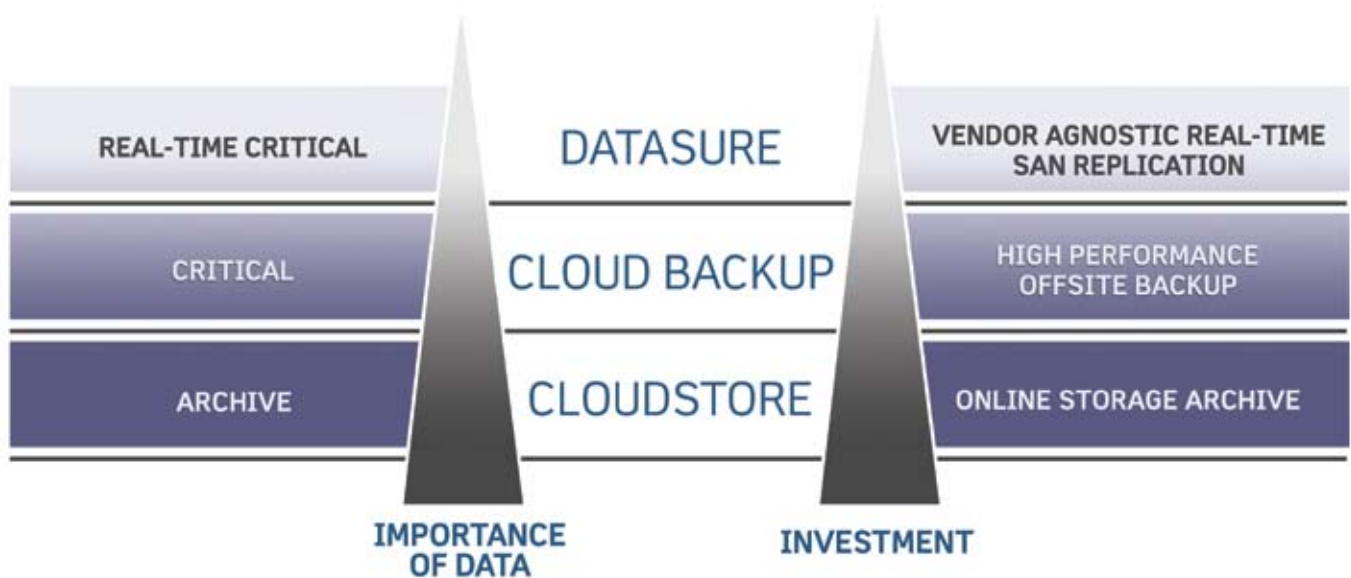
Cloud Storage and Backup



Cloud Storage from iomart hosting

Cloud Storage services from iomart hosting have been designed to deliver the performance, capacity, security and flexibility needed to address today's on-line storage challenges. As no single storage architecture can fully address all the challenges presented by increasingly distributed businesses systems we have developed solutions that address archiving, storage, backup and SAN replication.

As the integrity of the data and the storage solutions are paramount all data and services are housed and managed in our own datacentres and are backed up by our support services and SLA's. We guarantee no single points of failure.



DataSure SAN Replication

Secure offsite protection for critical data.

iomart hosting and DataCore have partnered to offer a unique hosted Business Continuity and Disaster Recovery solution.

DataSure combines DataCore's high performance SAN virtualisation technology with iomart hosting's highly resilient infrastructure to deliver a high performance offsite disaster recovery solution. The solution allows end users to easily replicate their business critical data to one of Iomart hosting's five fully secure and resilient data centres across the UK. The entire platform is built for scalability and flexibility, enabling clients to purchase storage on a pay as you grow basis. The service is vendor and hardware agnostic providing the ability to secure data from multiple storage vendors onto the iomart hosting platform.

DataSure is built using market leading technology from Cisco, EMC, and DataCore providing optimal performance combined with iomart hosting's 100% uptime guarantee.



How does DataSure differ to traditional storage models?

Traditional SAN to SAN replication typically involves the purchase of a second SAN from the primary Vendor. This SAN invariably consists of a secondary duplicate SAN with a similar drive configuration as the primary SAN. Vendor Dependant Replication software is then used to replicate the data across a WAN. Both SANs will first be configured at the primary location, with replication undertaken across a LAN the second SAN is then shipped and installed at another location.

Whilst effective, this method incurs high capital expenditure, increased management, vendor tie in and limited service management and development opportunity.

With DataSure a SANsymphony node is installed in front of the target SAN. This node is then configured to replicate data directly to the Iomart hosting storage infrastructure. All data replicated is then written to two separate disk arrays and if required can be replicated again to a second Datacentre where it is again written twice. This guarantees no loss of data even in the event of total disk array failure.

DATASURE USES

- Offsite SAN replication
- DR protection
- Local SAN performance improvement

DataSure benefits

- Secure offsite replication
- Cost effective
- No CAPEX expenditure
- Scales with demand
- Pay as you grow
- Simple DR
- Guaranteed Service Levels



Cloud Backup

Secure enterprise class offsite backup for critical data.

Cloud Backup delivers next generation intelligent data backup and recovery to protect an organisations mission critical data in one simple unified solution.

As organisations battle to protect ever growing data environments in ever decreasing backup windows Cloud Backup allows customers to intelligently meet business objectives by backing up critical data and retaining it in a secure N+N infrastructure. As IT become more and more complex with growing physical and virtual infrastructures combined with an increasing number of critical applications IT managers are under pressure to rethink data protection strategies. Cloud Backup helps IT departments achieve backup and recovery goals in a simple to deploy enterprise class intelligent managed service.

How does Cloud Backup differ from traditional backup models?

Traditional backup involves deploying multiple agents and storage targets within customer premises. Traditionally organisations will flat backup both physical and virtual servers this involves storing multiple copies of the target data on the backup platform. The backup window is often restricted by the volume of data that has to be processed often this means difficult choices have to be made. Further complexity is added when remote offices and remote users require their critical systems to be backed up or data retention requirements mean historic data has to be copied to tape.



Cloud Backup is an intelligent solution for both physical and virtual environments with application aware agents deployed to each server/desktop/laptop regardless of location backing up centrally to secure N+N Datacentres. The key difference is that each unique item of data is only backed up once this means that during the backup window only changes are stored. Each item of data that is backed up is written to an array of N+N storage servers that ensure fault tolerance, reliability and performance.

This approach allows for both granular and full backups and restores of critical data whether virtual or physical with the ability to restore either individual files or entire systems. Cloud Backup never backs up the same data twice allowing a highly efficient and scalable solution to meet the requirements of protecting yesterdays, todays and tomorrow's data.

CLOUD BACKUP USES

- Primary backup
- Offsite backup
- Alternative to tape
- Remote site and server protection

Cloud Backup benefits

- Simple deployment
- Secure encrypted efficient backup
- Meets legislative and compliance requirements
- Constantly available
- Helps achieve RTO/RPO objectives
- Unified solution to meet all requirements
- No additional investment in hardware or software
- Guaranteed service levels



CloudStore

Unlimited elastic capacity in the cloud

CloudStore

CloudStore is an object based storage platform based on OpenStack. The platform allows users to store and retrieve files using a simple web based interface ReST interface. There is no limit to the size of the files you can upload and you can scale your usage up and down to meet demand. In addition to providing scalability CloudStore is secure all data received is written to three separate disk arrays. In the event of a disk array failure all data is then automatically copied to a new array.

How does CloudStore differ from traditional storage models?

CloudStore delivers unlimited storage capacity automatically without the requirement to invest in hardware and software. Content uploaded to the CloudStore platform can either be public or private. Files are stored on a container basis and these containers can be made public and can be used for serving data through other interfaces. As CloudStore is based on OpenStack it is supported by a third party ecosystem of applications that provide add-on functionality including backup clients and file management software.

In addition providing scalable secure storage CloudStore integrates with our CDN ensuring rapid access to frequently accessed files.



CLOUDSTORE USES

- Volume storage
- Application storage
- Offsite storage

CloudStore benefits

- Simple API
- Unlimited capacity
- Secure storage
- Seamlessly extends local infrastructure
- Constantly available
- Third party ecosystem
- Provides public or private storage
- Pay as you go
- Integrated with CDN
- Cost effective storage
- Guaranteed service levels





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