

# S3 COMPATIBLE OBJECT STORAGE

## eRESULTS BULK CLOUD STORAGE SOLUTION

eResults S3 Object Storage provides organizations with the ability to break through the capacity barrier and extend their data protection and archiving strategies to the eResults All Canadian Cloud.

### About eResults

eResults is committed to helping small and medium sized businesses better understand the benefits of cloud computing to help them achieve their business goals.

eResults is 100% Canadian, and all of our cloud assets are located in Canadian Tier 3 certified data centers. This provides our customers with peace of mind knowing where their data or their client's data resides. We offer a full suite of cloud services from servers, backup, file sync and archive, through to virtual desktops and hosted Microsoft solutions.

Contact us today to learn how eResults can provide you with the partnership and peace of mind that you're looking for.

### The rise of Object Storage

File storage is something most IT people are very familiar with. Files are named and data is placed folders. Folders can then be nested under more folders to form a set path. In this way, files are organized into a hierarchy, using directories and sub-directories. Each file also has a limited set of metadata associated with it, such as the file name, the date it was created, and the date it was last modified. This structure works well, but as capacity grows this file model becomes increasingly burdensome, affecting both performance as well as storage and processing overheads.

With Object Storage, data is bundled together with metadata tags and a unique identifier. The metadata is customizable, which means that you can input a lot more identifying information for each piece of data. These objects are stored in a flat address space, which makes it easier to locate and retrieve your data across storage media. This flat address space also helps with scalability. As a result, storage can be scaled to petabytes and beyond.

Object Storage becomes cost effective for very large amounts of data and is useful for data analytics as additional metadata can be saved. Traditional file storage performs well with small data sets, but does not scale well as data sets become larger over time. As a result, Object Storage has become the defacto standard for the archiving of large data repositories with an almost limitless capacity.

## Vendors committed to S3 compatible storage

Many software products are now compatible with S3 storage. Features are being added to allow for external repositories and external archiving of data. The following vendors are examples of companies that have added this capability to their solutions.



## eResults HBS3 Object Storage as a Service

The HBS3 Object Storage-as-a-Service or OSaaS provides the ability to start small and grow limitlessly. Simple management, built-in data protection, and the industry's most inter-operable S3-API compatibility help get services up and running quickly.

HBS3 is managed through a web based portal that allows the administrator to manage their S3 assets (buckets), users, access keys and data protection levels. Multi-tenancy is built into the platform for resellers or organizations with the requirement for tiered permissions.

### Benefits of leveraging the HBS3 Object Storage Platform

The HBS3 Object Storage Service provides a feature rich and flexible data protection management solution that includes:

- Deployment Flexibility
- S3 Native Compatibility
- Near limitless Scalability
- Granular Storage Policies
- Multi-Tenancy
- Multiple Data Center Support

### Unmatched security, compliance, and audit capabilities

Store your data in HBS3 Object Storage and secure it from unauthorized access with encryption features and access management tools. HBS3 Object Storage allows you to block public access to all of your objects at the bucket or the account level with our easy to use management portal. HBS3 Object Storage conforms to our existing compliance programs, such as PCI-DSS, PHIPA, PIPEDA, Controlled Goods, GDPR Compliant and Protected B all within UTI Tier 3 certified data centers to help you meet regulatory requirements.

### Multiple Use Cases for HBS3 Storage

The growth in the availability and the cost effectiveness of S3 Compatible storage has resulted in a large number of vendors creating S3 specific API's to leverage the capabilities of this storage medium. A selection of vendors are shown here ranging from backup vendors, storage vendors, file services, collaboration tools to IoT solutions. The HBS3 Object Storage is compatible with the majority of these vendor solutions allowing customers to leverage increased functionality from their existing hardware/software solutions.

- Data Protection
- Storage as a Service
- Media and Entertainment
- Big Data/Machine Data
- Archiving
- Video Surveillance
- Healthcare
- NAS Offload
- Disaster Recovery
- Log Files

## HBS3 Object Storage Advantages

**Data Access** - Instant access to your data and archived data.

**Scaleability** - Dynamically adjust the size of your data repository up and down as IT needs change.

**Geographic Redundancy** - Store data in our Western or Eastern data center or both for extra peace of mind.

**Data Sovereignty** - Data remains in Canada in Canadian owned and operated data centers.

**Simple Pricing Model** - All inclusive, consumption based pricing with no charge for data ingress or egress.

**Searchability** - Embedded metadata can be used to improve data search capabilities.

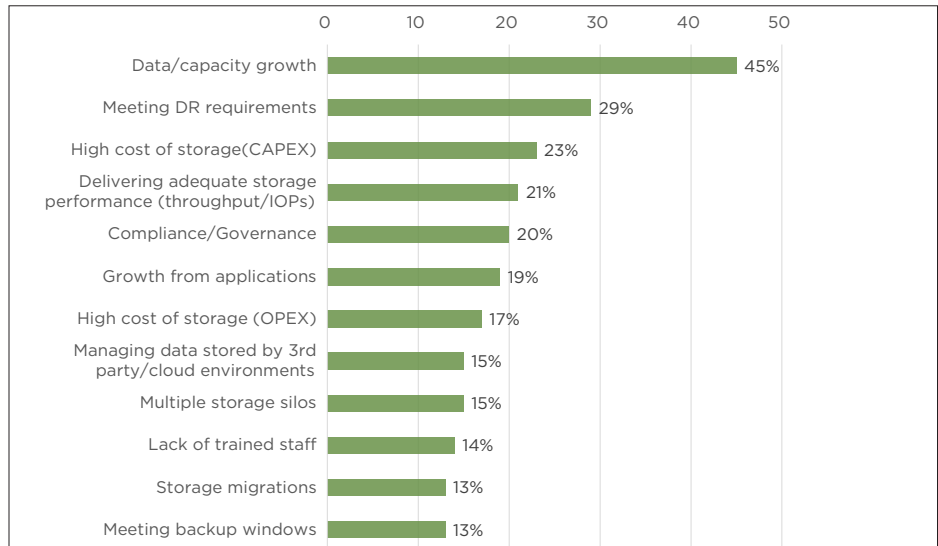
**Management Workload** - HBS3 Object storage is fully managed, so no manual intervention is required once use cases have been set.

**Equipment / Software Refresh** None required as this is fully managed by eResults.

**Future Proofing** - S3 objects are an industry standard, accessed via standard HTTPS interfaces allow simple migration of data in and out of the HBS3 Object environment.

### Addressing the challenges of data management

HBS3 Object Storage addresses many critical data storage management issues faced by IT administrators today. It offers a cost effective, flexible and scalable solution that enables organizations to focus less on their data issues, and more on their business. The chart below shows data from a recent 451 Research survey which asked CIO's what their pinch points are forecast to be with respect to storage.



### Extend your on site backup and recovery strategy to the cloud

HBS3 Object Storage provides the ability to easily extend on premise backup repositories to the cloud using a number of different backup applications. Leveraging HBS3 for your off site backup and archival requirements removes the burden and cost of managing on premise storage infrastructure (disk or tape).

HBS3 provides an easy to configure, automated solution for off site data backup and archive with unlimited scalability on a consumption based model. Stop worrying about having to pay expensive fees for retrieval or having to schedule your tape pickups with off site storage services.

HBS3 provides near instant data retrieval as all storage is online and can be accessed through your on premise backup management console.

Object storage also offers the advantages of rapid search as it provides the ability to instantly search on specific attributes — such as date, media type, contents, or description or any S3 compatible file management solution — and then instantly retrieve these files/objects.

Interested in learning more about HBS3 Object Storage? Our team of cloud experts are here to help. Whether you're looking to add HBS3 as part of your product offering, or you just need help with your own storage management requirements, contact us today.