



A Case Study of **Controlling Assets** **Cloud Adoption and Migration**



About Controlling Assets

A management consortium of private investors of commercial real property in the Washington National Capital Region.

The Challenge

Controlling Assets was looking for a low-cost, cloud based backup plan for their growing photograph repository of real estate assets which would allow both remote access as well as the ability to do a variety of backup and restore functions (incremental, as well) as some less common custom application use cases to expedite replicating directories to Flash media for Kiosk and other Smart Signage solutions. Controlling Assets has 20 GB of administrative files to backup and 20 GB of photographs to store.

The Solution

IMPLERUS employed an Amazon Simple Storage Service (S3) solution that included doing their local backups with [CloudBerry](#) file-level backup. IMPLERUS assisted Controlling Assets and set up a secure and encrypted Amazon S3 site utilizing logging and lifecycle rules. The lifecycle rules will move backups to Amazon S3 Standard-Infrequently Accessed (IA) after 30 days and then to Amazon S3 Glacier after 60 days for long-term storage, retention and archival. IMPLERUS and Controlling Assets mutually decided on this configuration for cost effectiveness, greater durability, greater availability and security for data backups.

IMPLERUS created a backup schedule for Controlling Assets and started backing up their sensitive and important files. IMPLERUS implemented Ransomware protection via [CloudBerry Backup](#) to ensure safe data. IMPLERUS showed that recovery is simple by creating a restore plan within [CloudBerry Backup](#) in order to recover a full backup or single file to another system and taught the end-user how to use the application. Additional logging



was created to post to logs to the Windows Event Viewer in order that those logs can be centrally managed. This provided a great small business backup with off-site storage solution that Controlling Assets never had before while still saving costs of off-site storage, expensive backup software and storage resources. IMPLERUS researched several AWS Storage Technology Partners and found that [CloudBerry](#) provided the best fit for Controlling Assets due to cost, features and end-user ease of use.

IMPLERUS also employed an Amazon S3 solution for the primary storage of their photography repository. IMPLERUS assisted Controlling Assets and set up a secure and encrypted Amazon S3 site utilizing logging and lifecycle rules. The lifecycle rules will move backups to Amazon S3 Standard-Infrequently Accessed (IA) after 30 days. This solution provides Controlling Assets with a safe cloud storage option that is highly durable (99.99999999%), secure, encrypted and highly available.

The Benefits

Controlling Assets now has an easy, safe, secure, low-cost and low-maintenance backup schedule. They now have peace of mind that if their server were to go down, that they could restore their data to another environment.

While backup costs were a new expense to Controlling Assets, the minimal startup and recurring costs are far less than the loss of valuable and irreplaceable data. Utilizing Amazon S3 lifecycle rules were able to save Controlling Assets costs on longer term, infrequently accessed and/or unnecessary data. Amazon S3 buckets were built with private access for only Controlling Assets approved personnel, encryption of all files and user/API level activity tracking using AWS CloudTrail. Amazon S3 is providing scalability, durability (99.99999999%), version control, lifecycle rules and compliance and audit capabilities that they previously did not have.

Additionally the primary storage for their photography files has relieved Controlling Assets of local storage needs. Controlling Assets were continually buying removable media for additional storage, but now those extra external devices are now unnecessary.

About IMPLERUS

Implerus Corporation is a Northern Virginia-based AWS Advanced-Tier IT consulting and services firm dedicated to providing innovative solutions to the Intelligence Community, public and private-sectors.

We design, build, integrate and manage solutions for cloud-based applications and system architectures.

Our clients range from Fortune-level global VC firms to government intelligence and defense agencies through our successful relationships with satisfied clients over 25+ years.

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