



Backup Copy to the Cloud

Over the years backup and disaster recovery technology has evolved from being tape only to disk to Solid state storage, providing not just ease-of-use, but, portability, capacity, and data integrity. emerging technologies like Cloud storage and cloud computing now offer several advantages over traditional data storage and backup capabilities. Many organizations; small, medium and large enterprises alike have started adopting this latest technology for their storage requirements due to reduced local storage requirements, scalability, data mobility, and availability.

CA ARCserve® Backup supports cloud storage, you can now migrate backup data to either a public or a private cloud with ease. CA ARCserve Backup lets you specify the cloud device in the final destination tab when you enable staging from the CA ARCserve Backup Manager. CA ARCserve Backup provides you with various tools and options that you can use to manage cloud storage. You can create a virtual cloud-based device using CA ARCserve backup that enables CA ARCserve Backup to store data with the cloud vendor specified by the CA ARCserve Backup cloud connection.

OVERVIEW

CA ARCserve Backup now offers backup to cloud. You can configure cloud devices as the final destination in staging and migration backup jobs.

CA ARCserve Backup provides users with a familiar interface and seamless transition due to the ARCserve Backup's representation of cloud storage as 'just another device' in the ARCserve Backup user interface.

CA ARCserve Backup offers standard functionality such as encryption and compression in the same way as for local devices. CA ARCserve Backup also provides dashboard reports about your cloud storage.

BENEFITS

- Lets you archive backup data to Eucalyptus private cloud storage and Amazon S3 cloud storage from the Archive Manager Start Tab.
- Provides seamless data transactions between user and Cloud Storage sub-systems.
- Provides full set of Media Management functionality (format, erase, browse, scan, merge, etc).
- Cloud Groups allow policy based migration/retention.
- Enables you to store data at file/folder level granularity.

Install/Configure

When you install CA ARCserve Backup, the capability to migrate the data to public or private cloud is set up. However, you need to configure cloud connection for CA ARCserve Backup communicate with the specified cloud vendor. Cloud connections let you access cloud storage services through applications that are on the current server. The cloud connection helps ensure that your backup data is stored under the account that you created with the cloud vendor.

CA ARCserve Backup lets you create and configure cloud connections from CA ARCserve Backup Manager. After you create and configure a cloud connection you need to create a cloud device to link to the cloud folders. You can link cloud-based devices to new or existing cloud folders.

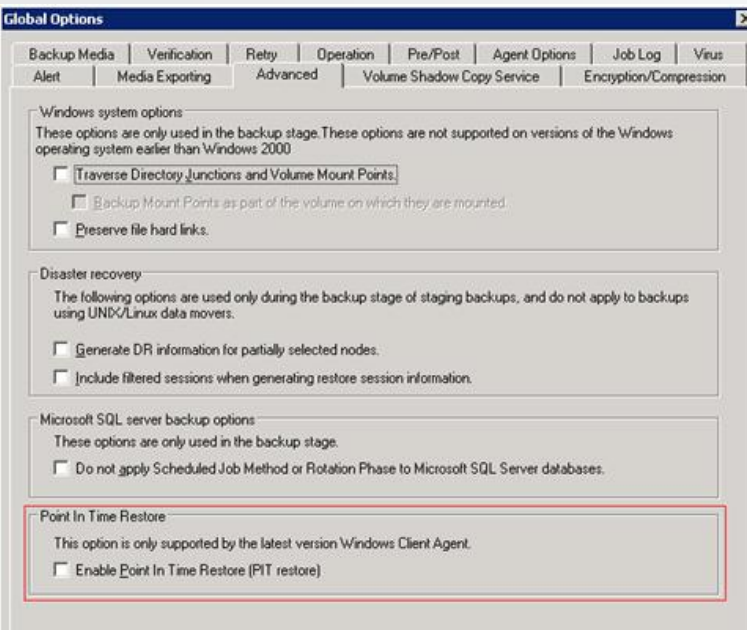
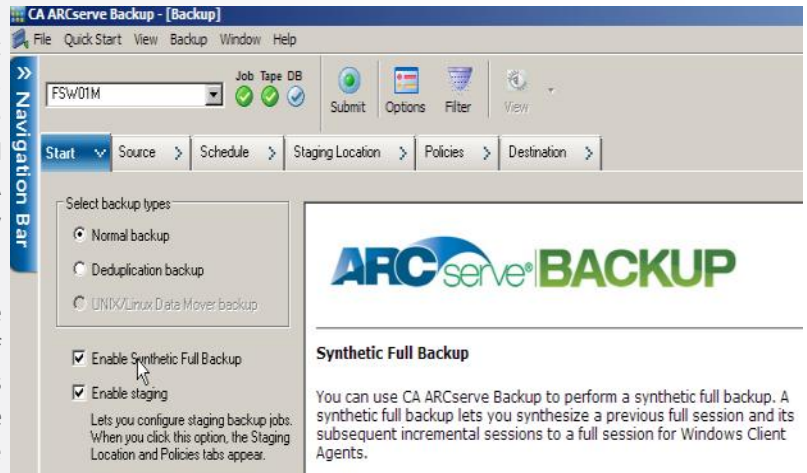
How to Manage Cloud Storage

CA ARCserve Backup provides you with various tools and options that you can use to manage cloud storage. It also lets you compress the backup data that is stored on the cloud-based device for efficient use of the storage space. From the CA ARCserve Backup Manager window you can browse the existing cloud folders.

CA ARCserve Backup lets you purge data from Cloud Storage by setting the retention time through Cloud Purge Policy when submitting a migration job. When the purge policy expires, the cloud session is deleted to free up space and keep costs down. You can purge the cloud sessions using the Backup Manager console, or the Device Manager Console or from the Restore Manager console.

CA ARCserve Backup automatically formats blank devices during a migration job, however, you can use Format option to manually format your cloud-based device. Formatting writes a new label at the beginning of the device destroying all existing data on the cloud-based device. After the cloud-based device is formatted, CA ARCserve Backup can no longer restore the data and any job sessions associated with the media.

CA ARCserve Backup lets you erase cloud-based device (one at a time), it erases all references to the contents of this cloud-based device (if any) from the database. It is important that you verify the selected cloud-based device before using the Erase option. Erased data cannot be retrieved. You can use one of the erasing mechanisms (Quick Erase, Quick Erase Plus) to erase cloud-based devices.



CA ARCserve Backup lets you password protect the cloud folder, If the cloud folder is configured with password protection, you must specify a password to link the cloud-based device to the cloud folder.

Restoring Data from Cloud Storage

The process for restoring data that was backed up using staging is identical to the process of restoring data that was backed up to any other type of storage media.

CA ARCserve Backup lets you restore data from cloud devices to most computers attached to your Windows network. You can restore the data from cloud devices using one of the following restore methods: Restore by Session, Restore by Tree, or Restore by Media.

Frequently Asked Questions

Q: Do I need license to migrate data to the cloud?

A: No, you do not require any additional license to migrate data from staging device to a public or private cloud. This feature is available with the base product.

Q: Does CA ARCserve Backup provide any reports on backing up data to a cloud storage?

A: Yes, CA ARCserve Backup provides you with dashboard reports that help you manage cloud storage in an efficient way.

Backup Data Location Report displays nodes that were backed up to cloud by creating cloud connections and cloud-based devices.

Data Distribution on Media Report displays the amount of backup data (in GB) within your CA ARCserve Backup Domain that has been distributed on the different types of media (Deduplication Devices, Disk, Cloud, and Tape) during the last specified number of days.

Recovery Point Objective Report displays the backup node count at each location (Replicated, Disk, Cloud, tape On-Site, and tape Off-Site) for each day, this report helps you analyze the location of your node backups for any given day and help you determine the best means for recovery.

Summary

CA ARCserve Backup is a comprehensive, distributed storage management solution for distributed and multiplatform environments. CA ARCserve Backup now provides you with the ability to migrate backup data to Public or Private cloud storage, it also provides you with various tools and options that you can use to manage cloud storage.

For more information about the CA ARCserve Family of products, please visit arcserve.com/products or test drive our products at arcserve.com/software-trials.