



# Cloud Access

CA ARCserve D2D is a disk-based backup product designed to provide a fast, simple, and reliable way to protect and recover critical business information. CA ARCserve D2D is a light-weight solution for tracking changes on a machine at the block level and then backing up only those changed blocks in an incremental fashion. As a result, CA ARCserve D2D lets you perform frequent backups (as frequently as every 15 minutes), reducing the size of each incremental backup (as well as the backup window) and providing a more up-to-date backup. CA ARCserve D2D also provides the capability to restore files/folders, volumes, and applications, and perform bare metal recovery from a single backup.

CA ARCserve D2D now lets you copy and restore backed-up data from your specified cloud storage location, also provides you with various tools and options that you can use to manage cloud storage. You can migrate backup data to either a public or a private cloud with ease. CA ARCserve D2D lets you specify the cloud device in the final destination tab of CA ARCserve D2D Manager.

## OVERVIEW

CA ARCserve D2D provides users with a familiar interface and seamless transition due to the ARCserve D2D's representation of cloud storage as 'just another device' in the ARCserve D2D user interface. CA ARCserve D2D offers standard functionality such as encryption and compression in the same way as for local devices.

CA ARCserve D2D lets you browse the local disk/network drive or cloud to locate the specific file/folder to be restored, simplifying the restore process.

## BENEFITS

- Enables customers to copy/move mission-critical data to/from disk and cloud destinations based on user specified archival and retention criteria.
- Lets you archive backup data to Eucalyptus, Windows Azure and Amazon S3 private cloud storage. Provides seamless data transactions between user and Cloud Storage sub-systems.
- Enables built-in redundancy and off-site protection in the event local recovery points or storage repositories are compromised.

## Install / Configure

The CA ARCserve D2D installation is straight forward and wizard-driven. Installation and configuration of CA ARCserve D2D involves the following tasks: Install the Prerequisite Components (if required), Accept the terms of the Licensing Agreement, and follow the prompts and complete all required information on the subsequent dialogs. A reboot of the computer is required before CA ARCserve D2D can be used effectively.

When you install CA ARCserve D2D, the capability to migrate the data to public or private cloud is set up. However, you need to configure cloud connection for CA ARCserve D2D 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 D2D lets you create and configure cloud connections from CA ARCserve D2D 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 CA ARCserve D2D helps manage Cloud Storage

CA ARCserve D2D lets you specify the settings for copying your backed-up files to a disk or to the cloud. For file copying, you can specify to perform a copy and retain or a copy and move of your backed-up data. The two processes are similar, with the exception that when you perform a copy and move, the data is moved from the source to the destination (deleted from source location) and provides more available free space at your source. When you perform a copy and retain, the data is copied from the source to the destination (remains on source destination) and provides multiple stored versions.

CA ARCserve D2D currently supports multiple cloud vendors, such as Amazon S3 (Simple Storage Service), Windows Azure, and Eucalyptus-Walrus. These cloud vendors are publicly available web services which let you safely and securely store and retrieve any amount of data, at any time, from anywhere on the Web. If the connection to the specified destination is lost or broken, CA ARCserve D2D makes several attempts to continue the file copy job. If these reattempts are not successful, a makeup job is then performed from the point where the failure occurred. In addition, the activity log is updated with a corresponding error message and an email notification is sent (if configured).



You can configure your cloud connection from the File Copy Settings Destination dialog, click the Configure button to display the Cloud Configuration dialog.

CA ARCserve D2D lets you select the cloud vendor type you want to use for storage of your file copies. The available options are Amazon S3, Windows Azure, Eucalyptus-Walrus.

You need to specify the connection settings, Vendor URL, Access Key ID/Account Name/Query ID, Secret Access Key/Secret Key, proxy server information (If you have enabled Proxy Server).

CA ARCserve D2D also lets you compress the backup data that is stored on the cloud-based device for efficient use of the storage space.

CA ARCserve D2D lets your browse existing cloud folders from the Manager. Lets you browse the available File Copy locations (local disk/network drive or cloud) to locate the specific file/folder to be restored. 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.

## Frequently Asked Questions

**Q:** What is the maximum file size that can be stored on Amazon S3 cloud?

**A:** There is no limit for the maximum file size that can be stored on an Amazon S3 cloud location.

**Q:** Will a File Copy that is stored on an Amazon S3 cloud location be open source archive format?

**A:** No. A File Copy that is stored on an Amazon S3 cloud location will be proprietary only format.

**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.

## Summary

CA ARCserve D2D is a disk-based backup product designed to provide a fast, simple, and reliable way to protect and recover critical business information. CA ARCserve D2D also provides the capability to restore files/folders, volumes, and applications, and perform bare metal recovery from a single backup. CA ARCserve D2D lets you copy selected source files (copy or move) from a backup session to a destination disk or cloud (Public or Private cloud storage) based upon your specified file copy and retention criteria.

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