



Granular Restore of Active Directory Items

Active Directory is a hierarchical database that is stored on Domain Controller servers. The Active Directory includes static information about computer users, groups, printers, computer network configuration data, and so on.

CA ARCserve Backup will back up and restore the entire Active Directory on Windows Server 2003 and Windows Server 2008 systems – 32 bit and 64 bit platforms. On Windows Server 2003 and Windows Server 2008 systems, CA ARCserve Backup lets you restore the Active Directory at object level granularity.

OVERVIEW

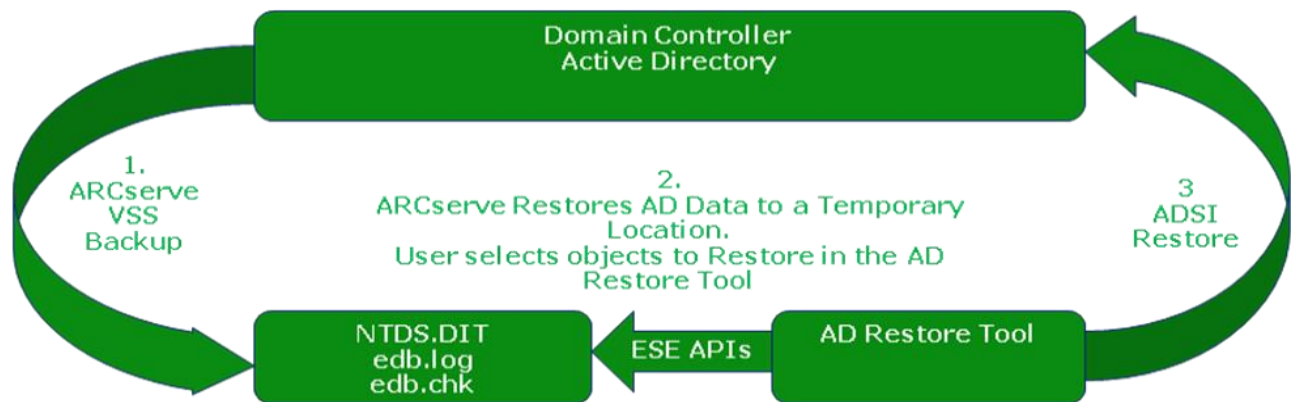
CA ARCserve Backup lets you restore the Active Directory at object level granularity. The process of recovering Active Directory objects consists of two phases:

- Restore the Active Directory backup data to an alternate location using the Restore Manager.
- Recover the Active Directory object to the current Active Directory using the CA Active Directory Object Level Restore utility.

BENEFITS

- The CA Active Directory Object Level Restore utility lets you restore 24 different Active Directory objects.
- Restored object will retain the original UUID, if the Tombstone lifetime has not expired, this value was originally set to 60 Days but was extended in Windows 2003 SP1 and 2003 R2 to 180 Days.

High Level Overview of Backup and Recovery of Active Directory



1. CA ARCserve Backup uses VSS to backup the Active Directory database files. The CA ARCserve Backup Agent for Windows is required to be installed onto the Windows Domain Controller. CA ARCserve backup will analyze the Active Directory schema and build an index of the objects and store in the CA ARCserve backup database repository for granular recovery.
2. CA ARCserve Backup restores AD DB files to a temporary location and Agent Configuration GUI is used to access the AD Restore Tool
3. AD Restore tool recovers the individual objects to AD Server.

Restore of Permanently Deleted Active Directory Objects

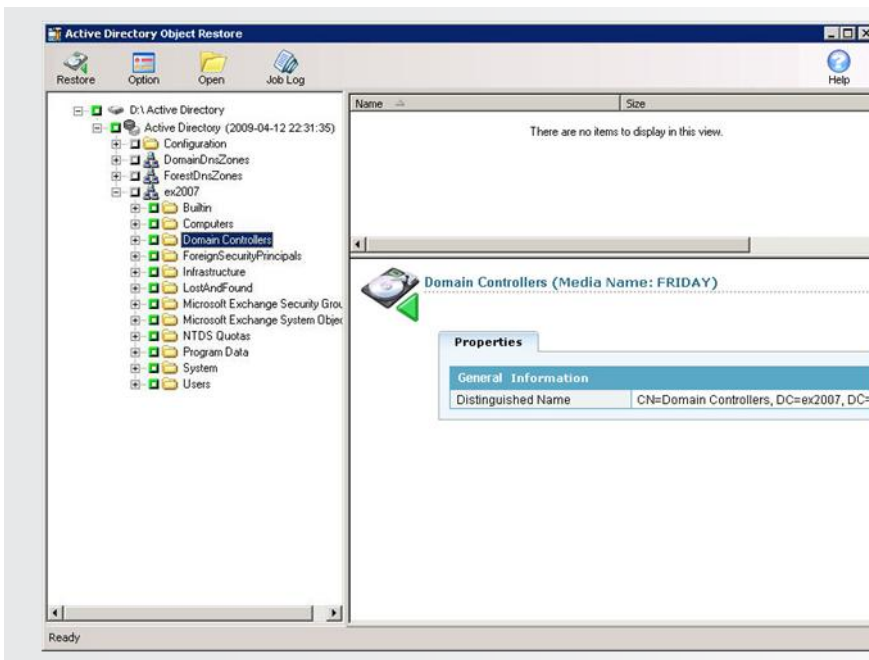
There are two levels of recovery that can be performed of a object that has been permanently deleted.

- With Original UUID

This is possible only if the requested object exists in the Deleted Objects Container available in Active Directory.

- With same Distinguished Name but a new GUID

This function is used when the requested object has been purged for the Deleted Objects Container, this happens by Default after 180 Days.



Restore of Renamed & Moved Active Directory Objects

It is possible to recover Renamed and Moved Active Directory Objects as well in addition to the capability to recover deleted objects.

Object Level Restore Recovers the Following Active Directory Objects

- Organizational Unit
- User
- Group
- Computer
- Contact
- Connection
- Shared folder
- Printer
- Site
- Site container
- Site link
- Site link bridge
- Site settings
- Subnet container
- Trusted domain
- Configuration class
- Lost and found class
- Built in domain class
- Dns zone class
- Domain class
- Domain dns class
- Dmd class
- Organizational unit class
- Containerrecifiers class

Frequently Asked Questions

Q: Is it possible to restore objects even if the Tombstone lifetime has expired?

A: Yes, in this case a new UUID will be created for the object.

Q: Does the Active Directory recovery process let you restore user passwords

A: No, Windows does not store the passwords for user accounts in the Active Directory.

Summary

The CA Active Directory Object Level Restore utility lets you:

- Recover a large number of individual objects
- Recover objects while retaining the UUID
- Recover renamed, moved and even permanently deleted objects.

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.