



CaminoSoft

Managed Server - DeDuplication Edition

Duplicate Files

Duplicate files are inevitable – and they are costly. Users sharing files with each other, bulk emails with attachments, music files, pictures; these are but a few examples of the myriad of ways duplicate files can creep into your storage environment. They not only waste precious space in valuable primary storage, but they also bog down the processes of backup and replication. The problem is so enormous that just about every backup and storage vendor offers a solution to deduplicate your data while backing it up.

A Complete Solution

Deduplicating during backup takes care of part of the problem. But, what about the wasted space in primary storage? Until now, primary storage deduplication has been reserved for the privileged few who can afford to rip out their existing storage infrastructures and replace them with expensive, specialized storage hardware. Managed Server - DeDuplication Edition deduplicates your primary storage without having to replace your hardware. The software finds and removes duplicate files from your existing primary storage. All you need (besides the software) is a place to store the duplicate files (typically second tier storage*).

DeDuplication Edition – How it Works

Leveraging CaminoSoft’s file system archiving technology, the software transparently archives the duplicate files. Users still access their files from the same folders as always. During “lights-out” (scheduled by administrators), the software discovers and archives duplicate file content to secondary storage.

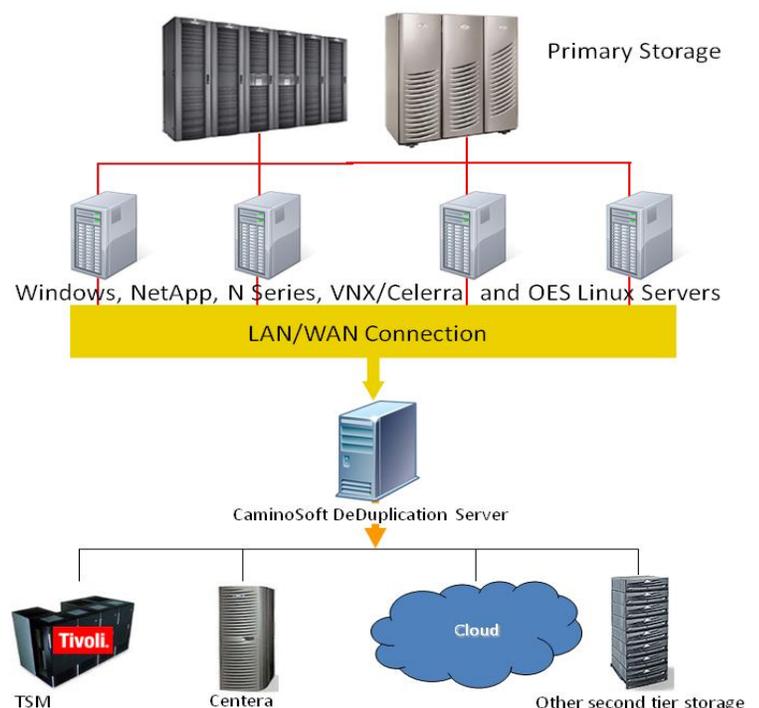
Duplicates end up being replaced by small stub files. If one or more instances of a duplicate file are opened by an application or user, they will be transparently recalled to primary storage and only kept there as long as they are active.

DeDuplication Edition Benefits

DeDuplication Edition provides a cost-effective solution for managing growing storage requirements and optimizing backup and replication resources. The policy-driven engine provides lower total cost of ownership by archiving duplicate files to secondary storage. By reducing primary storage consumption, backup and server recovery processes shrink to a fraction of the time previously required.

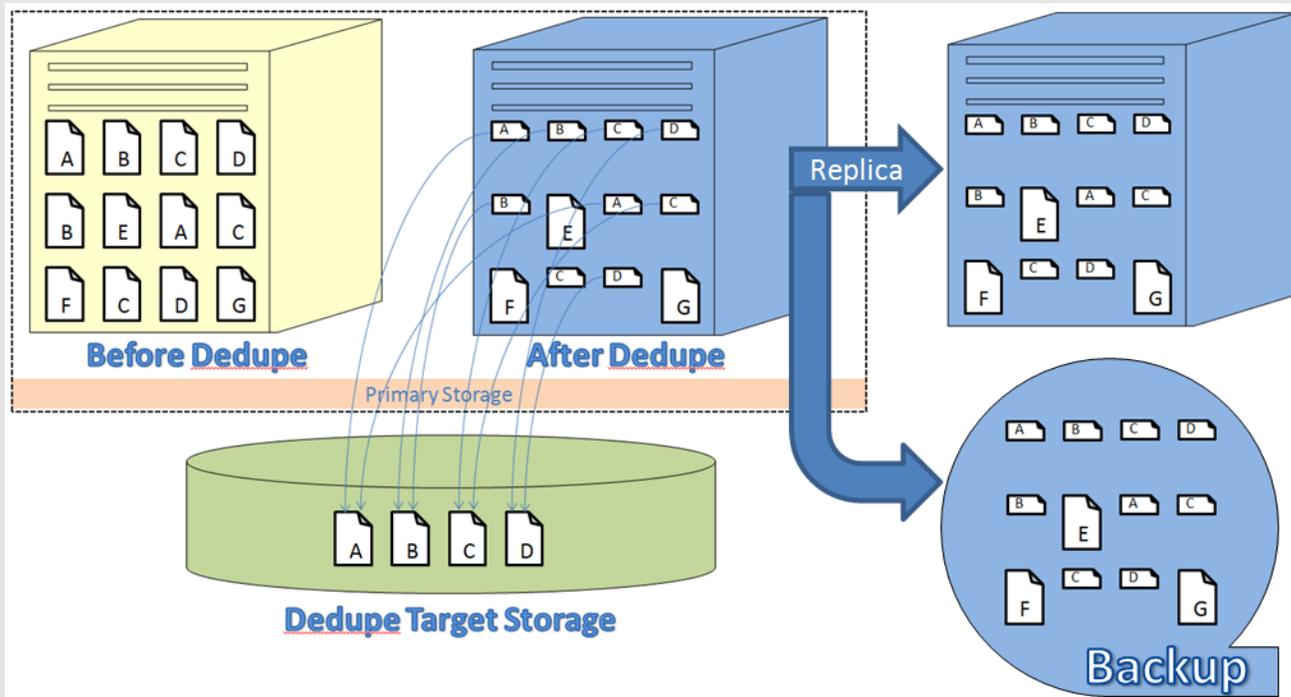
Managed Server DeDuplication Edition Key Features

- Supports Windows 2000 / 2003 / 2003 R2/2008/2008 R2/2012/2012 R2, NetApp, N Series, VNX/Celerra, OES Linux sources. Targets can include JBOD, NAS, EMC Centera, IBM Tivoli, Cloud and others.
- Automates discovery and archival of duplicate files
- Provides seamless access to duplicate files
- Installs easily and quickly with no required server downtime
- Enables full administrative control over deduplication activity via comprehensive policy maintenance
- Maintains policies for all Managed Servers from a single, Windows workstation graphical interface



Managed Server DeDuplication Edition, running on a Windows 2000/2003/2008 server, manages files on Windows, NetApp, and OES Linux servers. Duplicate files are detected and archived to secondary storage tiers.

Data Sheet: Managed Server – DeDuplication Edition



Benefits With CaminoSoft Managed Server - DeDuplication Edition

- Extends the life of existing IT storage investment by postponing the necessity for expensive server/storage upgrade decisions
- Works with existing primary storage environments – no new storage hardware to purchase
- Increases data availability by archiving duplicate files where they remain available; instead of users or administrators deleting them
- Reduces the time, bandwidth and storage required to make backups and replicas
- Reduces the time needed to recover a failed server by only restoring full file content for non-duplicate files

System Requirements

- Server running Windows 2000/2003/2003 R2/2008/2008 R2 /2012/2012 R2 Server
- Pentium Processor or higher
- 4GB RAM or greater
- CaminoSoft Managed Server - DeDuplication Edition software
- Optional: OES 2 server(s) running SUSE Linux 10.5 or higher and/or NetApp filer running ONTAP 7.0 or higher

- Secondary tier storage comprised of one or more off-the-shelf hardware configurations of NetApp shares, general purpose file servers, NAS storage, JBOD, EMC Centera, IBM TSM, and cloud storage.

* for maximum data reduction, use single instance storage for targets (as shown in diagram)

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