storageDNA

DNAsync™
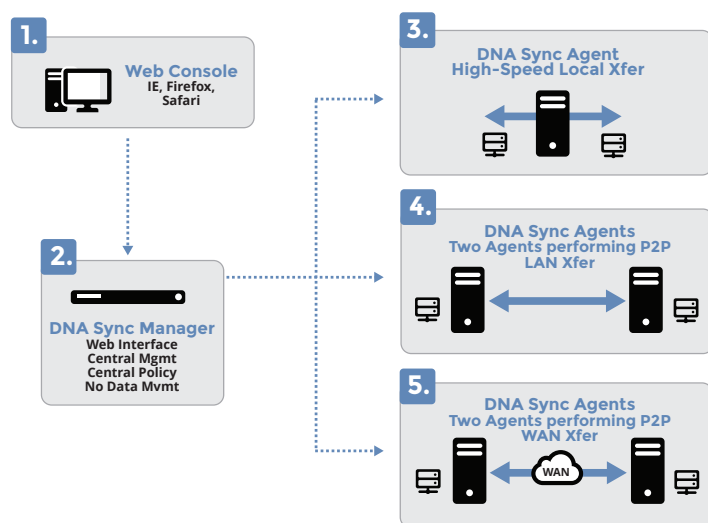
High-speed media synchronization for SANs, and global collaboration over LAN and WAN

DNA Sync™ is a high-speed, media synchronization engine that auto-monitors and transfers media, so you don't have to manually transfer files. It employs network algorithms to enable WAN-optimized transfers, manage network drops, attempt retries, and intelligently transfer changed files and data. DNA Sync can be used to synchronize your SANs for backup and remote disaster recovery, or for setting up WAN collaboration pipelines.

1. Web Console
IE, Firefox, Safari

2. DNA Sync Manager
Web Interface
Central Mgmt
Central Policy
No Data Mvmt

3. DNA Sync Agent
High-Speed Local Xfer

4. DNA Sync Agents
Two Agents performing P2P
LAN Xfer

5. DNA Sync Agents
Two Agents performing P2P
WAN Xfer

1. Web Console
Manage your entire DNA Sync ecosystem via a centralized HTTPS-based web console

2. DNA Sync Manager
Appliance acts as a management console, stores sync policies and acts as a data traffic cop; no client data flows via the DNA Manager as all syncs are p2p; all DNA Agents communicate with the DNA Manager using an SSL connection

3. Local Sync
A DNA Agent-enabled system performing a direct local (FC, SCSI, SATA) sync for SAN backup, mirroring

4. Network LAN Sync
Perform LAN syncs between any DNA Agent enabled systems; LAN syncs are perfect for migrating content between SANs over local network links

5. Network WAN Sync
Perform WAN-optimized syncs between any DNA Agent enabled systems; WAN syncs are perfect for remote file sharing, syncing your SANs across sites, and other forms of remote collaboration workflows

For Global Collaboration

Enable Remote Teams to See the Same Content
DNA Sync enables editors to work from remote locations and allows them to seamlessly collaborate

WAN Performance
With bandwidths of 5 Mbit/s, DNA Sync's WAN optimization enables you to fully maximize any Internet link, from smaller home links to cross-country DS3 links

Auto-Manages Lossy Connections
DNA Sync can intelligently recover from any network disruption, such as network drops and machine reboots

Simple Management and Easy Deployment
DNA Sync is designed to work over TCP/IP with the flexibility to select ports, and enable routing, (often not requiring a firewall configuration); a single point of management means one trained professional can manage all transfers across the environment

For SAN Synchronization

Snapshots for Instant Recoveries
Space intelligent, previous point-in-time copies of your content maintained by DNA Sync on any secondary disk storage of your choice making single-file, and multi-file recovery as easy as drag-n-drop

Local Sync for Backup, Archiving
DNA Sync enables you to sync over high-speed FC, SAS links in addition to a traditional LAN-based sync

Network Sync for Disaster Recovery
Fully protect your production environment by creating disaster recovery-ready copies of entire SANs at a remote site with DNA Sync across a LAN or WAN achieving multi-Gib/s performance over multiple 1 Gb and 10 Gb links

Delta Sync
DNA Sync can intelligently scan and only copy incremental changes, so you can keep terabytes of content synchronized

Ability to Work with Any Storage System
DNA Sync works with any SAN or NAS system so you can use it with your nearline storage; it integrates with Avid Unity™ ISIS®, Facilis®, Apple® Xsan®, Quantum StorNext, Isilon™, and NETAPP®

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High-speed media synchronization for SANs, and global collaboration over LAN and WAN

DNAsync-X™

Hardware: HP rack-mount policy controller • Software: 2 client licenses, additional seats can be added

Can be used point-to-point LAN, WAN or FC/SAS transfers
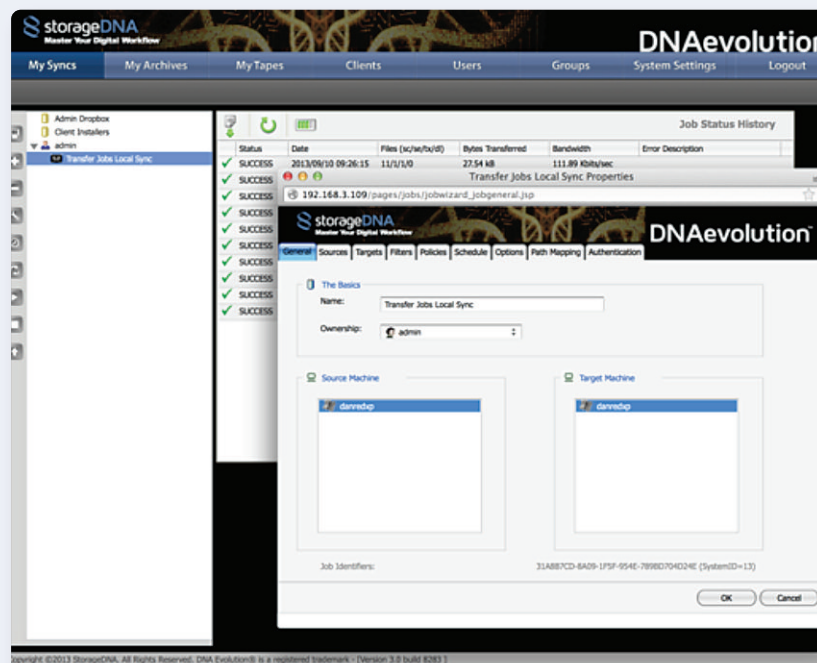
Central Web Interface

Manage your entire environment via a web interface

Create policies to sync between any system that has a client license

Browse folders directly from the web and setup sync policies

Monitor job runs and quickly identify problems

Setup user group access enabling only certain users to see certain systems or folders

Manage licenses and instantly know when client machine goes offline

Technology Highlights

+ SSL-based PKI: security for both management and data movement

+ Path mapping: ability to tailor every source path to target path

+ Bandwidth limit: limit maximum allowable throughput on transfers

+ Heterogeneous: supports all open storage and file systems

+ Scripting: execute any number of scripts before/during/after a job

+ Dynamic sync: sync content to target as it is created

+ Delta incremental: sync only incremental changes

+ Delete sync: sync file deletes in addition to creates/edits

+ Avid intelligent: project-based media parsing in OMF/MXF folder

+ WAN acceleration: advanced TCP-based WAN acceleration

+ I/O limit: limit maximum allowable iops requests on transfer

+ UNC support: ability to read windows UNC shares

+ File filters: include/exclude file filters, custom rules (size, age, etc.)

+ Automation: manual, minute, hourly, weekly schedules

+ High-performance sync engine tuned for media files

+ No intermediate servers, high-speed direct transfers