

SyncDat™

SyncDat

Features and Benefits

- Scans hundreds of thousands of remote files in minutes
- Optimized for Wide Area Networks
- Transfers only the files that have changed
- Accelerates all data-types: audio, video, compressed, and encrypted.
- Light-weight server and client software
- Built-in bandwidth management
- AES Encryption
- Instantly adapts to changing network conditions
- Easily scripted or embedded
- Sync master-to-slave or peer-to-peer
- Support for all major platforms

Modern Solutions For Modern Networks

The SyncDat Advantage

Data Expedition, Inc.'s® SyncDat software is an automated directory synchronization utility. SyncDat rapidly scans hundreds of thousands of files in local and remote directories over the Wide Area Network, transferring only those which have changed.

Simplicity, speed, and an efficient differencing engine are what sets SyncDat apart from other solutions. Name two directories, one local and one remote, SyncDat then catalogs all of the files in both directories in a single network operation. Local and remote catalogs are then compared to determine which files have changed and what actions are required to synchronize the two directories. By only moving files that have changed, your bandwidth, network, and time are utilized in the most efficient way possible.

More efficient than CIFS and rsync

As companies become more geographically dispersed, the need to perform data synchronization over the WAN has become increasingly imperative for an organization's drive for efficiency and success. As a result, this process is highly vulnerable to WAN latency and congestion.

By moving your files with our MTP™/IP technology, SyncDat is able to overcome the latency, congestion, and packet-loss challenges which make CIFS and rsync almost unusable over the WAN. The combination of MTP's raw speed and SyncDat's selective copying enables organizations to rid themselves of the constraints typically associated with off-hours, or infrequent backup and replication, thereby giving you more flexibility in your data distribution planning.

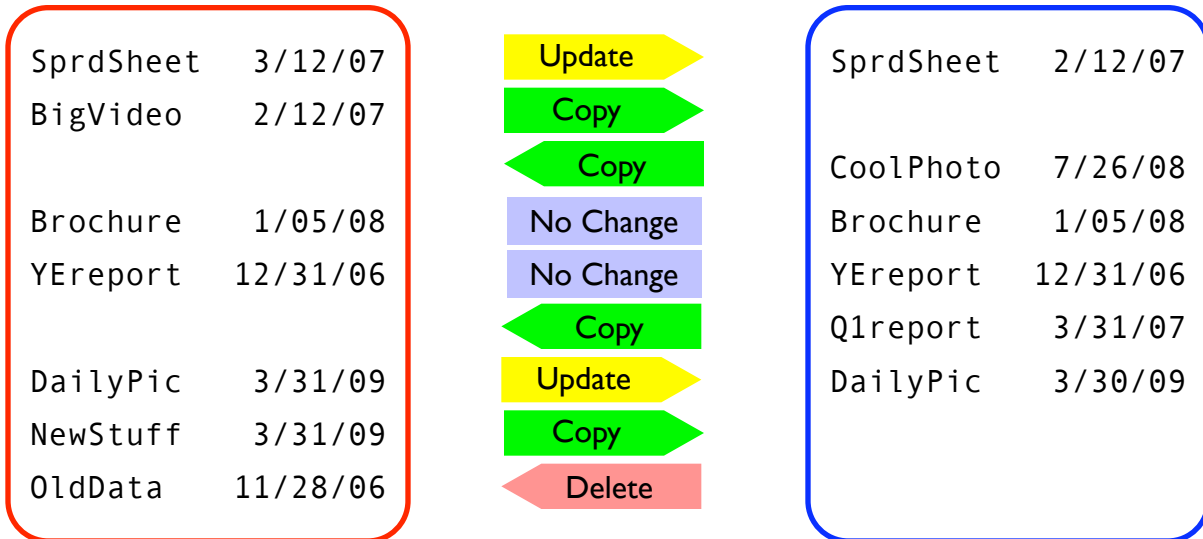
User Experiences

Before using SyncDat, an international semiconductor company took over two hours to scan engineering files in a remote directory (in India), plus an additional two hours to then replicate those files to their California-based data center, using rsync. Since SyncDat has been implemented, this entire process now takes the company mere minutes, from scan to replication.

It's easy to see SyncDat in action and experience its speed and ease of use for yourself, simply request an evaluation copy of our software today. We are so confident that it will work for you, that you can instantly download fully functional trials from our website, without waiting for approval.

Contact us or visit our website to learn more about how this unique technology can benefit your unique situation.

Fast Synchronization



Unique Approach

Fast Scan Differencing

SyncDat rapidly compares remote and local directories, scanning hundreds of thousands of files in just minutes. Capable of both master-to-slave and peer-to-peer operations, SyncDat automatically transfers files and preserves their key properties. End result, faster scanning and replication, more uptime, more up-to-date data, and more efficient use of your network infrastructure.

MTP/IP TECHNOLOGY

SyncDat uses the Multipurpose Transaction Protocol® to overcome the latency and congestion issues that are commonplace with file synchronization on Wide Area Networks. MTP's transaction architecture and unique flow-control allows SyncDat to move data and perform updates up to seven times faster than traditional CIFS or rsync approaches.

Q&A

SyncDat Frequently Asked Questions

What exactly does SyncDat do?

SyncDat compares a local directory tree to a remote directory tree, identifies the differences between them, then copies file data and properties to make the two directory trees identical.

Why is SyncDat faster than rsync or CIFS based file synchronizers?

By using its own MTP/IP based file server, SyncDat is able to scan hundreds of thousands of files in a single pass, then transfer changed files with maximum network efficiency. Other synchronization software is slowed by network protocols that were not designed for Wide Area Networks.

How does it decide which files to move?

SyncDat compares the file modification date stamps and file sizes to decide whether an update is required. For peer-to-peer synchronization, it records the time of the last synchronization so that updates on both sides can be correctly preserved.

Does SyncDat scan file contents?

No. Only file properties are compared, avoiding the overhead of reading every byte of every file. This allows you to run synchronizations with minimal impact on system performance.

Does SyncDat require special hardware?

No. SyncDat is software based on Internet standards. The server and client can be installed as single executables of less than one megabyte.

What networks are supported?

Any IP network capable of handling UDP datagrams can run SyncDat. SSL and other TCP tunneling VPNs are not supported. You may need to open a single firewall port.

What platforms are supported?

SyncDat can transfer data between Windows, Mac OS X, Linux, and most unix-like operating systems.

Can I try SyncDat for myself?

Yes. Please visit <http://www.DataExpedition.com/syncdat/>, or contact a DEI® representative, to obtain your free trial.