

# DataSync

technology, also known as Data Synchronization, enables users to easily move enterprise data from any source location to any target data source. The CONNX Data Synchronization tool performs incremental updates from source to target at a fraction of the usual, full update time.

## At a Glance

This tool is ideally suited for creating and maintaining data warehouses and data marts. Once the target source is populated, the engine powering the system, CONNX, can be used with other tools for ad hoc reporting, application development, and Web development through an OLE DB, ODBC, or JDBC driver. This engine provides the flexibility of querying either against the data warehouse and data marts or against the live operational data sources.

## Full Reloads

Purges all prior snapshot data in the data warehouse and replaces it with a completely new snapshot of the data. Each file in the synchronization process may be scheduled independently, or as a group.

## Incremental Updates

Detects which records have been added, deleted, or changed, and inserts, updates, or deletes the corresponding data in the data warehouse snapshot tables. Each file in the synchronization process may be scheduled independently, or as a group. Benchmark results show incremental updates are up to 4 times faster than full reloads.

## Scheduling

A complete scheduler is built into the CONNX DataSync technology. An NT scheduler service runs data synchronization jobs at the appropriate time.

## Task Execution

Tasks can be triggered to run before and/or after a synchronization job runs. Different tasks can be executed depending on the success or failure of a synchronization job. These tasks can be assigned globally, or with an individual synchronization job.

## Benefits of DataSync

- Eliminates "homegrown" solutions that are difficult and costly to maintain
- Eliminates the need for extracts, thus saving time and money
- Eliminates manual steps in the data synchronization process; everything is automated
- Minimizes project risk
- Minimizes computer resources
- Streamlines time to populate target data source
- Decreases update times significantly

## Full Reload

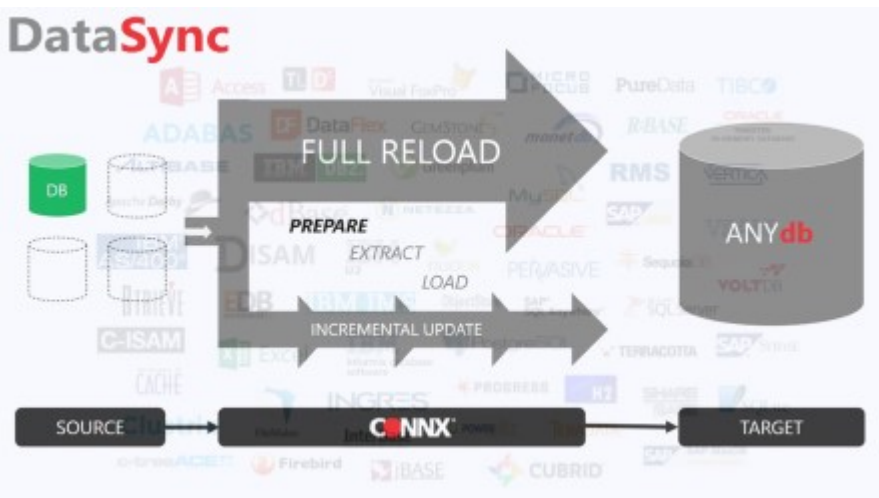
A full reload of 300 million rows, e.g., in this type of setup requires:

- Dual Processor, 2 GHz or higher
- 2 GB RAM
- 100+ GB Hard Drive

The incremental update feature of DataSync, for comparison, enables the user to incrementally update a data warehouse or data mart at a fraction of the usual time. It detects which records have been added, deleted, or changed, and inserts, updates, or deletes the corresponding data in the data warehouse snapshot tables. Incremental updates usually run up to 10 times faster than full updates, a significant increase in time savings, and can be scheduled independently, or as a group.

**For a free Evaluation copy of CONNX, or more information, please contact a CONNX Representative at (425) 519-6600 or [sales@connx.com](mailto:sales@connx.com).**

**Learn more about [DataSync](#)**



## Basic System Requirements

| Required   | Recommended   |
|--|---|
| Windows Vista / 2008 Server/ 2012 Server/ Windows 7 / 8 or above | Windows Vista / 2008 Server/ 2012 Server / Windows 7 / 8 or above |
| Server   |   |
| 20 GB Free Space   | 100+ GB Free Space  |
| 800 MHz or higher CPU  | Dual Processor—2 GHz or higher CPU                                |
| 2 GB RAM   | 4 GB RAM  |
| IDE or SCSI disk drive controller                                | Raid controller or mirrored drive controller                      |
| 100 MB/sec network card or LAN connection                        | 100 MB/sec network card or LAN connection                         |