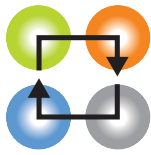


# Directory Synchronization Management



GroupID  
**Synchronize**

*"We wanted a solution that could deliver rapid benefits promised by the thicker identity management solutions without all the hardware, database, and cost requirements, GroupID was the only software that met all of our requirements".*

Mike Ruman  
Enterprise Message Manager  
Grant Thornton

## Accurate Data in Active Directory

GroupID Synchronize allows you to maintain accurate data in Microsoft Active Directory by provisioning, de-provisioning, and synchronizing changes from any other data source. GroupID Synchronize provides significant milestone wins in Identity Management projects by delivering meta-directory benefits from existing investments in Active Directory. GroupID Synchronize turns Active Directory into an authoritative repository for identity information by synchronizing databases and identity stores with Active Directory. By utilizing transforms (scripting) in the product, Synchronize provides the capability for provisioning and de-provisioning, and can map business processes to automation. Synchronize is simple to use and can be up and running within hours.

## Security Benefits of Provisioning/De-Provisioning

According to a recent survey by Osterman Research, in the average organization, IT doesn't know to de-provision an account for 9 days after a user has left the organization. And, on average, 5% of the users in Active Directory are no longer employed by the organization. This is a security flaw. GroupID Synchronize reduces that 9 days to near real-time. And, assuming that the authoritative HR source is accurate, GroupID Synchronize removes the 5% that are no longer employed.

Those same issues occur in the inverse for a new employee. If IT doesn't know to provision a new account for 9 days, what is that employee doing? Probably nothing on a computer.

## Internal Turnover

Another issue is internal turnover. The same survey reported that on average 19% of employees change job responsibilities in a given year. All of that information needs to be put into Active Directory: new job title, new location, new billing codes, and on and on. By utilizing GroupID Synchronize you can get the information into AD or any other important system such as your financial system, CRM, and others.

## Pertinence to Group Management

Accurate data is essential to properly automate group membership. GroupID Automate will ensure that a user is in the correct group if the user's data (department, title, location) is correct. GroupID Synchronize will make sure that the data is correct. This enhances security and productivity. Consider the de-provisioning example above. Even if you don't de-provision the user immediately, taking them out of all security groups will ensure that they do not have access to any systems, effectively giving you a double-pronged approach to security for ex-employees.

## How Does Group ID Synchronize Do It?

GroupID Synchronize is a bi-directional synchronization engine. Utilizing a very intuitive GUI to build scripts, you can create jobs to provision, de-provision, or Synchronize multiple data sources. Picture Active Directory being your hub and becoming the accurate source for all data. Synchronize directly connects two data sources through a job. It does not use or require a staging area or meta directory. A job defines the connection information needed to access each data source, how the data is related and how the data should flow.

## All New Console

The GroupID Synchronize Console gives you a bird's eye view of all your GroupID Synchronize jobs including information on when they will run, when they last run, and how many objects were updated, created, deleted, or unchanged. Through the console, you can manage your existing jobs, create new jobs, delete jobs, and preview changes a job would make to the target directory.

## Scripting

Scripting provides a means to extend the built-in functionality of GroupID Synchronize to meet your business logic needs. Use script transforms to combine or format fields, create user names by formula, code translations from one encoding to another, or create descriptive text. The script can even be used to route new users/contacts to the appropriate container.

In GroupID Synchronize, scripting capabilities have been expanded to provide more scriptable events. This means you can write a script that executes only when an object is updated, deleted, or just before it is created. You can use these events to write scripts that perform other functions, like sending an email notification to a manager when a new user is created or enabling an Active Directory User account for use with Live Communications Server. Combine this ability with the new PowerTools feature in GroupID Synchronize and the possibilities are endless!

## Preview Changes

See what will happen before it happens using GroupID Synchronize's new Preview feature.

The Preview function runs the job but without modifying the destination. It then displays a summary of how many records would be updated, unchanged, created, deleted, or error out. You can even drill down to find out the before and after values of the modified objects.

Once you are satisfied with the results, click Run to commit your changes to the destination.

## Email Notification

Now you can receive an email notification when a job runs. The notification includes whether the job succeeded or not, how many records were changed, and the log file as an attachment.

## Job Histories

See the history of the job over time. See how many objects were created, updated, unchanged, or deleted. A graphical view is also provided.

## PowerTools

Need to update multiple systems from one job? How about sending a notification when a new user is created or deleted? GroupID Synchronize Power Tools is an add-in from Imanami Professional Services that allow you to extend the power of GroupID Synchronize almost infinitely. You define your business process - let GroupID Synchronize automate it.

## System Requirements

### Recommended Hardware

- x64 Processor / Intel Pentium IV (2.4 GHz or higher)
- 8 GB of RAM (for up to 250,000 objects in the directory)
- 1024 MB hard drive space (for installation only)

Space requirement is relative to the provider's data size growth for Elasticsearch data.

### Supported Microsoft Windows Servers

- Windows Server 2012 Standard, Datacenter
- Windows Server 2016 Standard, Datacenter
- Windows Server 2019 Standard, Datacenter

### Supported Microsoft Exchange Servers

- Microsoft Exchange Server 2010
- Microsoft Exchange Server 2013
- Microsoft Exchange Server 2016
- Microsoft Exchange Server 2019

### Supported Database Servers

- Microsoft SQL Server 2008
- Microsoft SQL Server 2008 R2
- Microsoft SQL Server 2012
- Microsoft SQL Server 2014
- Microsoft SQL Server 2016
- Microsoft SQL Server 2017
- Microsoft SQL Server 2019

### Supported Providers

- 3rd Party Switchvox Provider
- Adacel View500
- Generic LDAP version 3.0
- Lotus Notes (LDAP)
- Microsoft Access Driver (.mdb, .accdb)
- Microsoft Active Directory (LDAP)
- Microsoft Excel Driver (.xls, .xlsx)
- Microsoft SQL Server
- Microsoft Text Driver (.txt, .csv)
- Novell Directory Services (LDAP)
- ODBC Data Source
- Oracle
- Sun ONE Directory Server/iPlanet (LDAP)

Adacel View500 and Microsoft Text Driver (.txt, csv) data sources are not supported as destination providers.