

# Welcome to GPO Migrator!

## Overview

SDM Software's GPO Migrator simplifies the process of cleaning up, consolidating and reorganizing your Group Policy environment. Finally, you have the ability to pick settings out of GPOs or GPO Reporting Pak Snapshots, and move them to other GPOs as needed, with just a few clicks of the mouse.

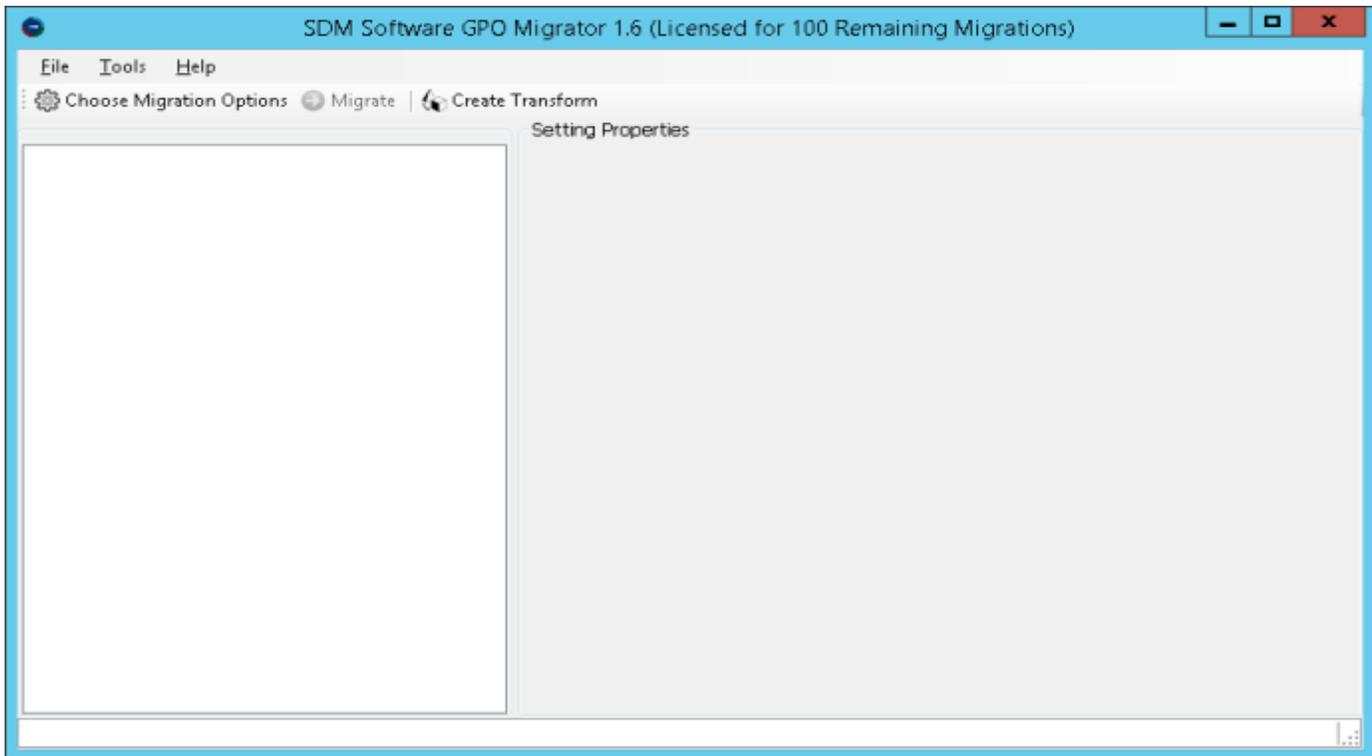
GPO Reporting Pak Snapshots, taken from GPO Exporter, are copies of GPO setting values from a specific point in time, and can include multiple GPOs. Being able to migrate from Snapshots is useful for consolidating multiple GPOs worth of settings into a single GPO.

In addition, if you are beginning the transition to PowerShell Desired State Configuration (DSC), GPO Migrator supports migration of select GPO settings to DSC documents, to ease the transition to DSC.

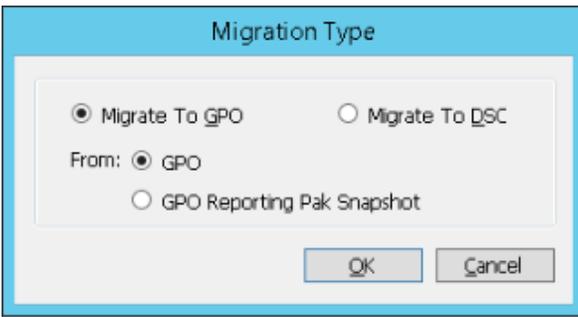
Transforms allow you to take domain-specific information held within GPO settings, and transform them as you migrate to a new domain (or the same domain). For example, if you have domain-based groups defined within Restricted Groups policy, you can change the name of those domains/groups as you migrate those restricted groups settings. Transforms are only supported within a subset of policy areas (see the below section "Transformations" for limitations).

## Getting Started

Once opened, a few simple steps are needed to set up a migration.

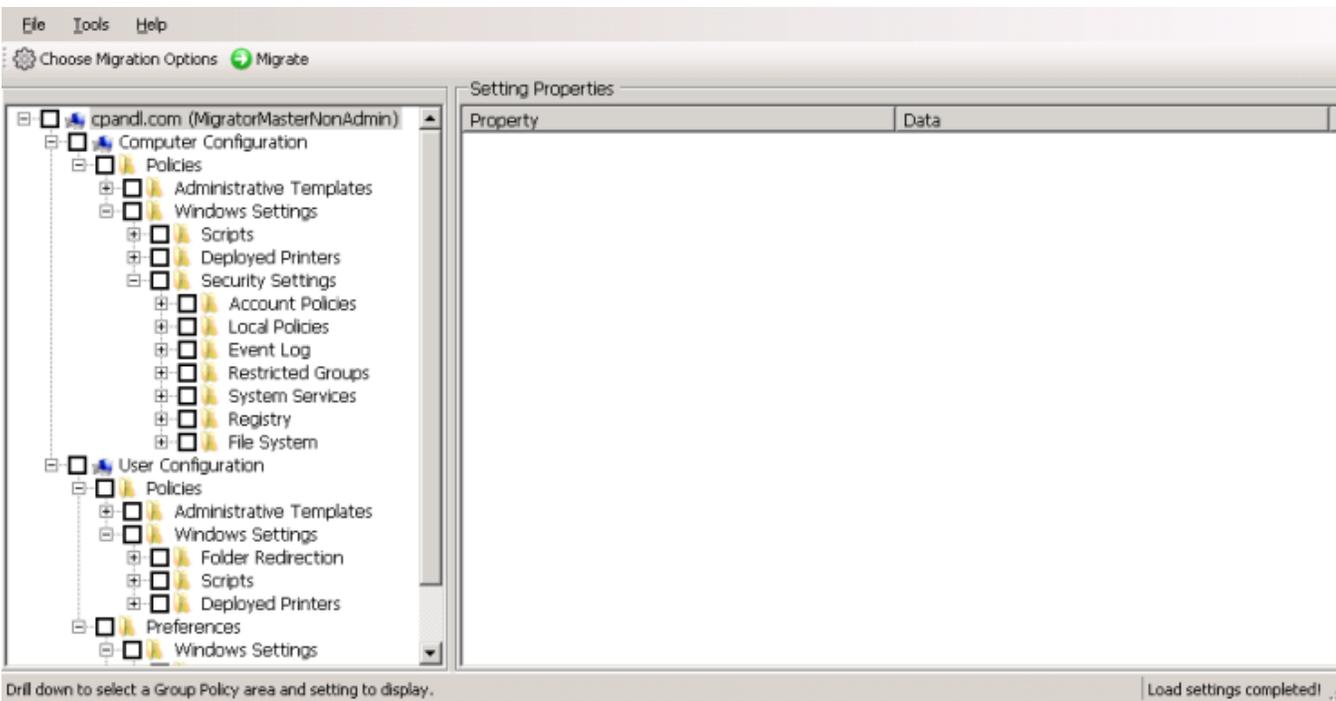


Step 1: Click the Choose Migration Options button. This presents a choice of whether to migrate settings to another GPO - from another GPO or a GPO Reporting Pak Snapshot - or to a DSC document. Different policy areas are supported when migrating to a GPO versus a DSC document. See the section Policy Areas Supported, below.

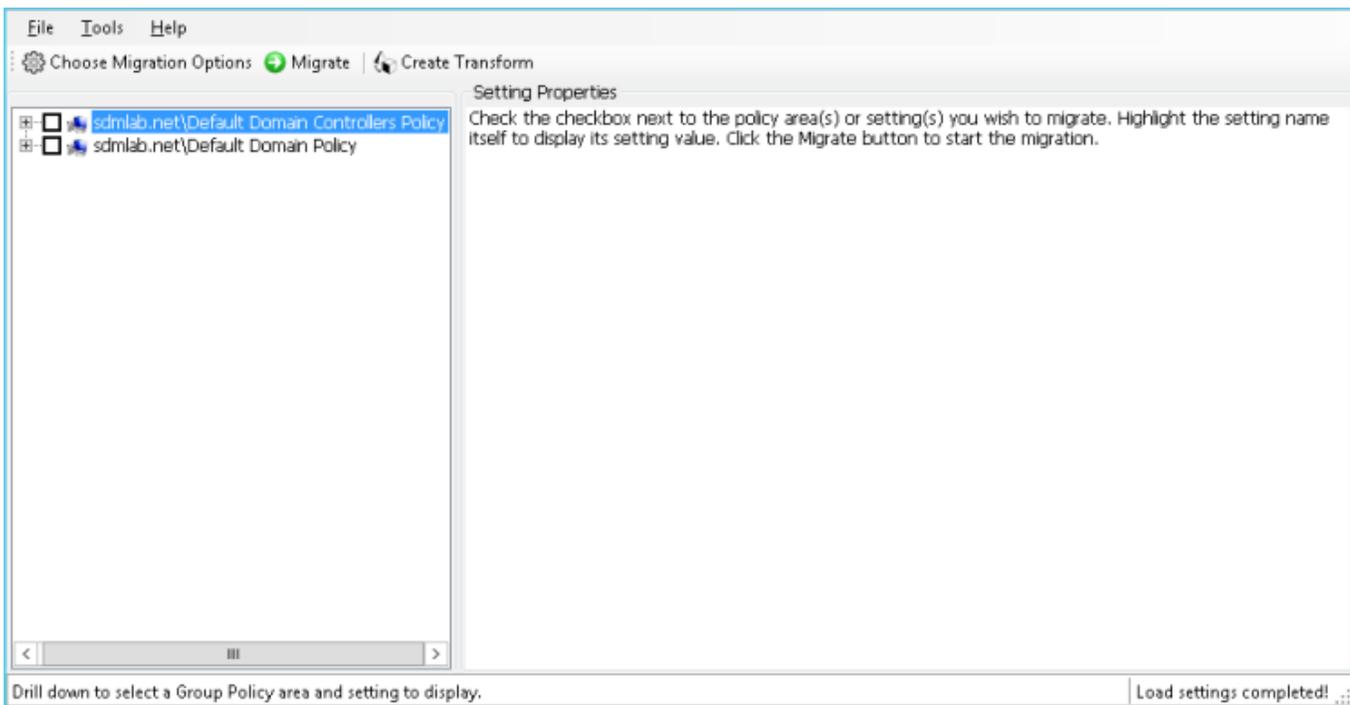


Step 2: Choose the Source GPO or GPO Reporting Pak Snapshot. This is the GPO or Snapshot from which you want to migrate. You can change to a different domain to locate a source GPO by overwriting your existing domain in the Select Source GPO window and clicking Submit. Note that a trust is required between the domain you are running GPO Migrator from, and the domain of the source and destination GPOs. To select a GPO Reporting Pak Snapshot file, simply locate the .snap file once the Choose Snapshot Report File window displays, after selecting "GPO Reporting Pak Snapshot" in the Migration Type window above.

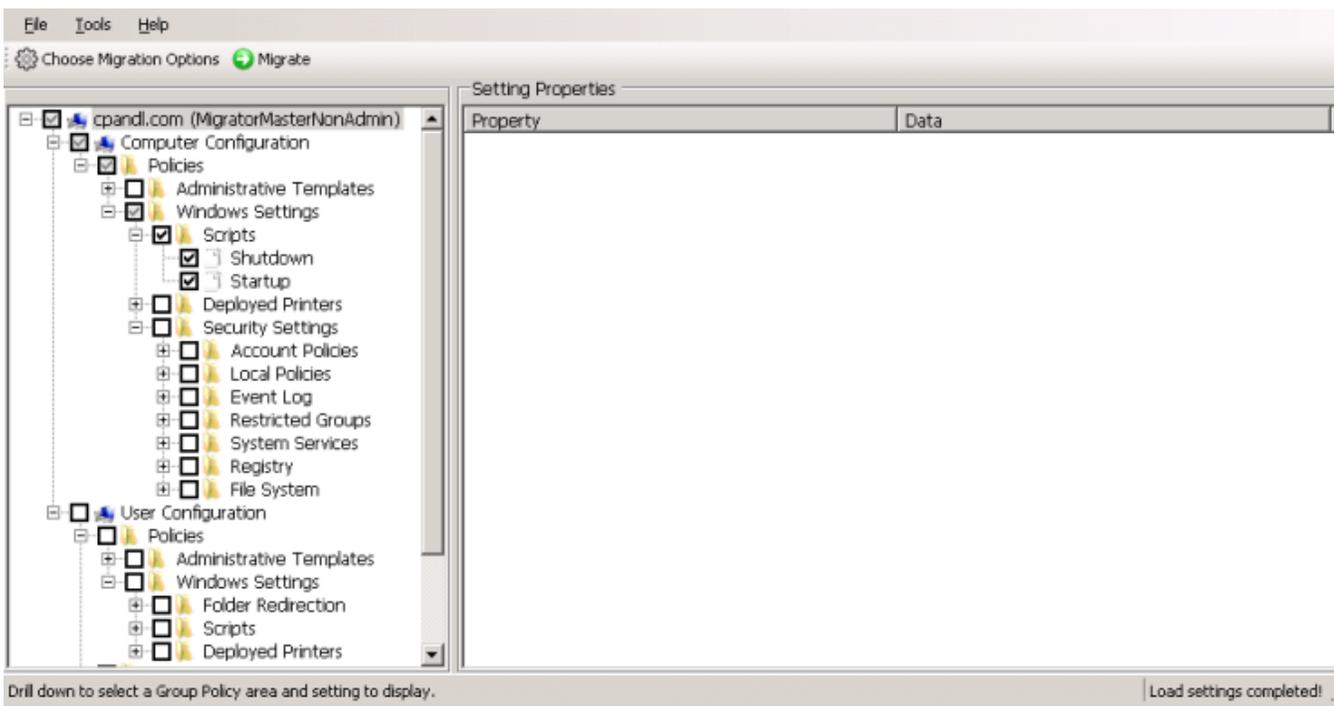
Once the source GPO is selected, the display looks like this:



If a Snapshot is selected, it will look like the below image. This Snapshot contains two GPOs: Default Domain Controller Policy and Default Domain Policy. In general, GPO Reporting Pak Snapshots can contain settings from multiple GPOs and from multiple policy areas. If a snapshot contains settings from a policy area that is currently not supported by GPO Migrator (see list of support policy areas below), they will not be displayed in the product. In fact, you will sometimes see a GPO listed in a snapshot, with no settings listed underneath it. That indicates that GPO contains no supported settings for migration, even though the snapshot itself may contain settings.



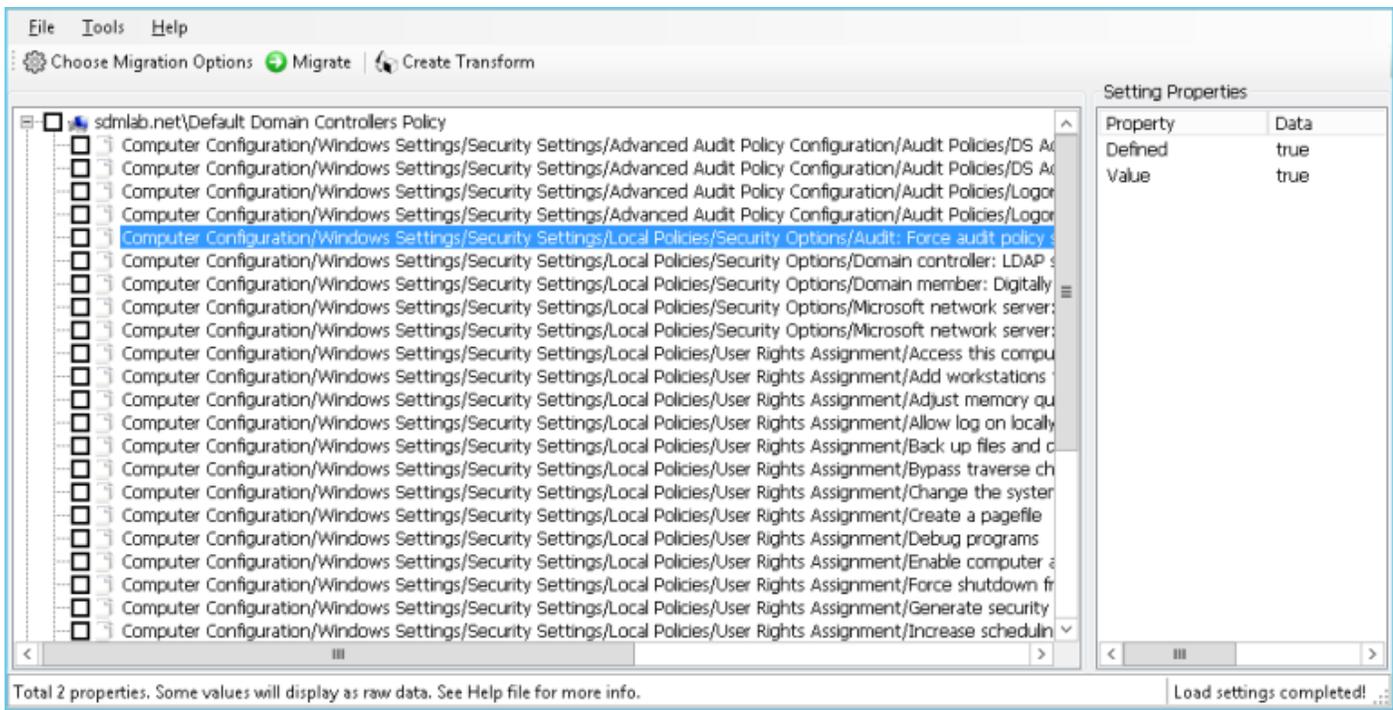
Step 3: Click the plus sign next to policy areas, or GPO names in a Snapshot, to drill down to more settings. Click the setting name to highlight it, in order to display its value in the Setting Properties display area to the right. Click the checkbox next to settings that you wish to migrate. To migrate all settings in a GPO, click the top left checkbox in a source GPO, or the checkbox to the left of a GPO name in a Snapshot. An example of selected settings is here:



An example of a highlighted setting in a Snapshot's GPO displaying properties is below. Note that in order for values to display correctly, the Snapshot file must be created on a machine with the same version of Windows as the machine on which GPO Migrator is installed. GPO Migrator resolves GPO settings the same way that native Windows tools would, depending upon the policy area. For example, if you created Administrative Templates on a Windows 10 machine, then those settings may not be visible on a Windows 7 machine running Migrator. The underlying ADMX files would need to be available and parseable by Windows 7.

Some values in the Setting Properties window may display as raw data. For example, a value of "1" might display when the corresponding GPMC value is "Success." This only affects the display of the value in the Setting Properties window in

Migrator, and the value will be migrated correctly. If you have a question about whether a Setting property is showing the correct value as it relates to what you see in GP Editor, contact SDM Software Support to clarify.



Step 4: Click the Migrate button. This displays a window where you choose your destination GPO, or where to save your DSC file. You are able to change the domain, either for where to save your new GPO, or after clicking Browse when selecting an existing GPO. To change the domain in which you wish to save a new GPO, overwrite your existing domain name in the New GPO Options section of the GPO Options window. To change to a different domain to locate an existing GPO, after selecting "Select Existing GPO," click Browse, overwrite your existing domain in the Select Existing GPO window and click Submit. Note that a trust is required between the domain you are running GPO Migrator from, and the domain of the source and destination GPOs.

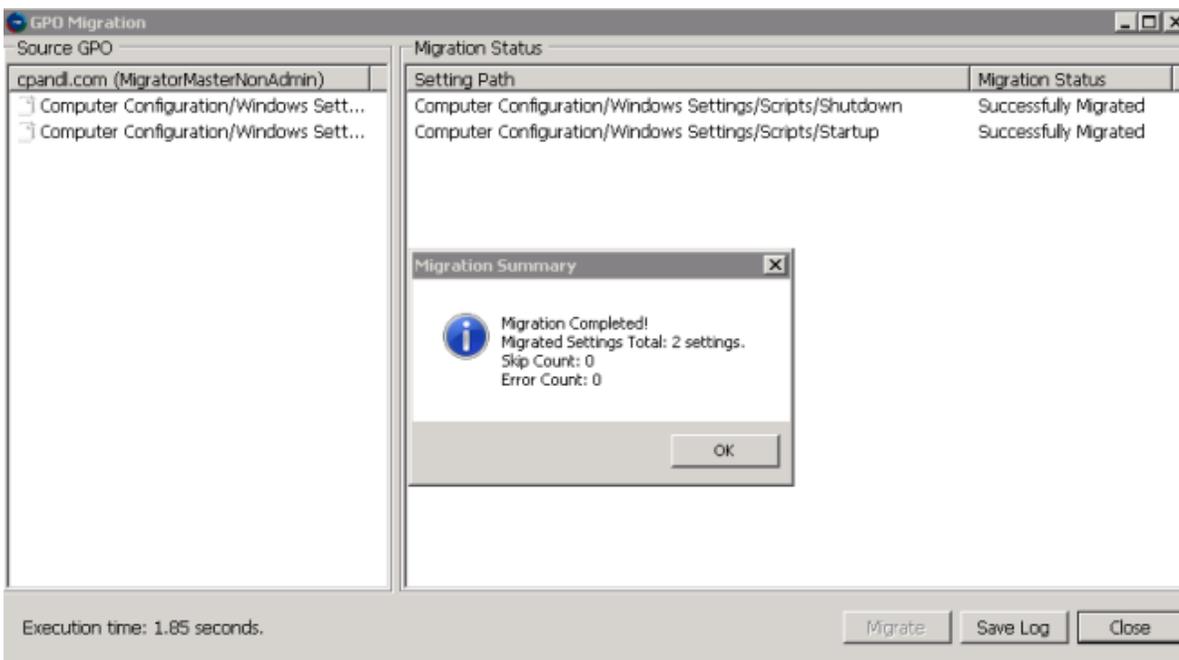
If you choose to migrate to an existing GPO, you have options to

- Backup GPO prior to migration - Keep a copy of the original destination GPO, before any changes are made from the migration.
- Overwrite Existing Settings with New - Any configured setting in the destination GPO becomes the source GPO's configured setting. If a snapshot contains more than one GPO with different values for the same setting, the value will become that of the last GPO that is processed by the program to overwrite the destination GPO's setting.
- Leave Existing Settings in Place - If a setting is configured in the destination GPO, it will be left as is; if a setting is not configured in the destination GPO but is configured in the source GPO, the setting will be migrated. Note that the Migration Summary will only say a setting is skipped if the setting is configured in the source and destination GPOs.



For migration to a DSC file, select or create the folder where you want to save the file.

Click the Migrate button. A status of all settings being migrated displays: Successfully Migrated, Skipped, or Failed. If there are any Failed migration settings, it would be useful to click the Save Log button so that SDM Software support can help track down any problems.

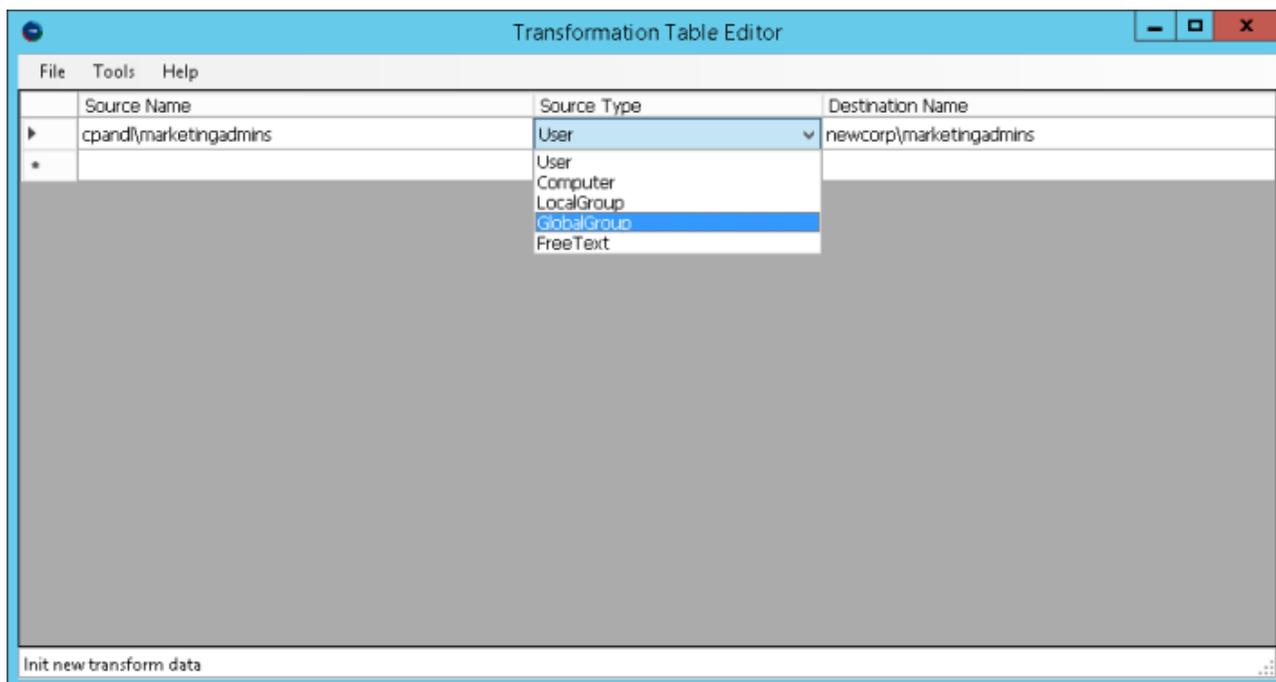


Click Ok to the Migration Summary, and click Close on the Migration Status window.

You can then migrate same or different settings from the same source to a new destination GPO or DSC file by clicking the Migrate button again at the top of the program, or click Choose Migration Options to select another source GPO or Snapshot.

## Transformations

Click the Create Transform button to open the Transformation Table Editor, shown below.



Select the Source Type from the dropdown.

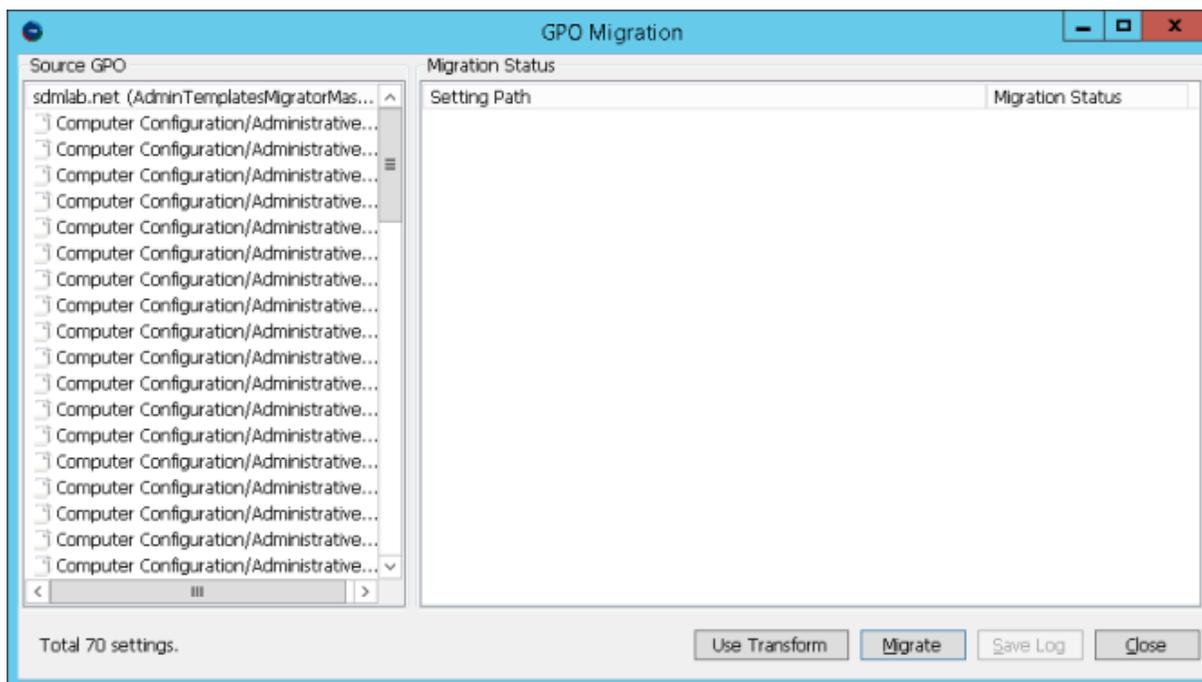
Enter the information you would like to be changed from your source GPO to your Destination GPO. Transformations are supported for a subset of policy areas, as shown in the table below:

Supported Policy Areas for Transformations

Policy Area	Supported Transformation Types
Restricted Groups Policy	LocalGroup, GlobalGroup
User Rights Assignment Policy	LocalGroup, GlobalGroup
GP Preferences Local Groups	LocalGroup, GlobalGroup
Administrative Templates	FreeText
GP Preferences- Item Level Targeting: Security Groups	LocalGroup, GlobalGroup
GP Preferences- Item Level Targeting: User	User
GP Preferences- Item Level Targeting: Computer	Computer

Note that while transformation values that you specify are not case-sensitive, they do need to take the proper form as they appear in the policy. For example, for Restricted Groups, User Rights, GP Preferences Local Groups and Item Level Targeting: Security Groups, you must enter source group name in the format of <domain>\<group name>, or "mycompany\Marketing Users."

Save your transformation data. Use that file later once you have clicked the Choose Migration Options button and have selected your source and destination GPOs. When you get to the window below, click the Use Transform button, select the file containing your transformation data, then click Migrate.



## Policy Areas Supported

GPO Migrator doesn't currently support migration of every possible policy area in Windows Group Policy. The lists below indicate which policy areas are currently supported in the product for a given migration scenario.

### GPO to GPO Migration

#### Computer Configuration:

- Policies\Administrative Templates
- Policies\Windows Settings\Scripts(Startup\Shutdown)
- Policies\Windows Settings\Deployed Printers
- Policies\Windows Settings\Security Settings\Account Policies
- Policies\Windows Settings\Security Settings\Local Policies
- Policies\Windows Settings\Security Settings\Event Log
- Policies\Windows Settings\Security Settings\Restricted Groups
- Policies\Windows Settings\Security Settings\System Services
- Policies\Windows Settings\Security Settings\Registry
- Policies\Windows Settings\Security Settings\File System
- Policies\Windows Settings\Security Settings\Advanced Audit Policy Configuration
- Preferences\Control Panel Settings\Local Users and Groups
- Preferences\Windows Settings\Shortcuts

#### User Configuration

- Policies\Administrative Templates
- Policies\Windows Settings\Scripts (Logon\Logoff)
- Policies\Windows Settings\Folder Redirection
- Policies\Windows Settings\Deployed Printers
- Preferences\Windows Settings\Drive Maps
- Preferences\Control Panel Settings\Printers
- Preferences\Control Panel Settings\Local Users and Groups
- Preferences\Windows Settings\Shortcuts

### GPO to DSC File Migration

## Computer Configuration:

- Policies\Administrative Templates
- Policies\Windows Settings\Scripts(Startup\Shutdown)
- Policies\Windows Settings\Security Settings\Local Policies\Security Options (\* **see note below**)
- Policies\Windows Settings\Security Settings\Restricted Groups
- Policies\Windows Settings\Security Settings\System Services

For support, email [support@sdmsoftware.com](mailto:support@sdmsoftware.com).

\* The following settings in Security Options are not support for DSC migration because they don't have corresponding registry entries that can be written using the DSC registry resource.:

- Computer Configuration/Windows Settings/Security Settings/Local Policies/Security Options/Accounts: Administrator account status
  - Computer Configuration/Windows Settings/Security Settings/Local Policies/Security Options/Accounts: Guest account status
  - Computer Configuration/Windows Settings/Security Settings/Local Policies/Security Options/Accounts: Rename administrator account
  - Computer Configuration/Windows Settings/Security Settings/Local Policies/Security Options/Accounts: Rename guest account
  - Computer Configuration/Windows Settings/Security Settings/Local Policies/Security Options/Network access: Allow anonymous SID/Name translation
  - Computer Configuration/Windows Settings/Security Settings/Local Policies/Security Options/Network security: Force logoff when logon hours expire
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