# AutoSave
## User Group Integration with
# Active Directory

## Overview

AD Integration an add-on feature in AutoSave, beginning with version 6.02. It maps user information and grouping, defined in your Active Directory, into Groups in AutoSave. These AutoSave Groups define the operations that a specific group of users can perform in AutoSave. This feature is in addition to the live Active Directory (AD) password authentication that AutoSave has done for many years.

## Features

- Updates the list of users and groups in your AutoSave Server based on the contents of your Active Directory.

- Runs automatically.

- Allows for a simple or complex mapping of user attributes in AD into the AutoSave system.

- Does not require any changes to your HR process for managing and configuring employees in your AD system.
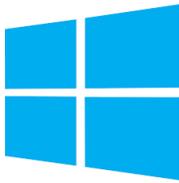
## How it works

Unlike some systems with three or four user privileges, AutoSave has an extensive set of privileges to manage user interaction and workstation access to your automation device programs. Over 50 individual privileges may be set to manage user group activity (users are placed into user groups) and you may create as many user groups as needed to control program access and operations. Similarly, each workstation (client) computer can be access controlled (using client groups) so if you have line-of-sight or other restrictions that need to be enforced when editing some device programs, AutoSave has you covered.

User privileges can also be tailored, not just by user, but by areas or even individual devices in your facility, so if certain individuals can access all programs in area A but not area B, or only some users can access a sensitive device program, this can be managed within AutoSave. When users are added, modified, or disabled in AD, this information will be picked up by AutoSave without any user action required. Because this works with AutoSave's password management feature, the disablement of a user in AD will immediately disable them from logging into AutoSave.

## Flexibility

You can determine which user groups within your AD system should be mapped to user groups within AutoSave, and you can create one-to-many links as needed. This feature requires no changes to the current process used by your Human Resources (HR) to add or change the status of a staff member. AutoSave user attributes, such as full name and email address can come from AD attributes as well.
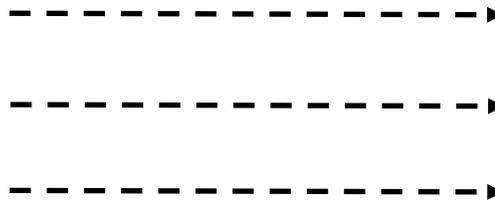
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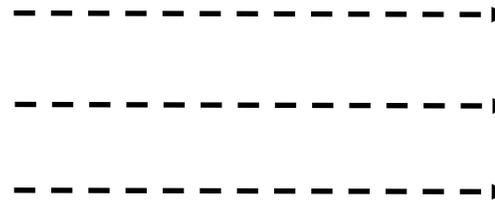
# Examples

**Windows Active Directory**

**MDT AutoSave**

Simple 1-to-1 mapping – one AutoSave group mapped to one AD Group

Three shifts of Electricians (in three separate AD groups) mapped to one AutoSave Electricians group within AutoSave.

Chemical Engineers

First Shift

Maintenance

One AD group mapped to several AutoSave groups based on criteria in AD (title, role, shift, etc.)

Additional mapping scenarios can also be supported.

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