

# AutoSave Change Management

## Support for AutoSave Universal

PRODUCT PROFILE



### PRODUCT OVERVIEW

The AutoSave suite of products provides the software tools needed to manage all your automation programs. It controls and tracks the changes to your industrial programmable devices and program sources. Complementing these device-specific modules, the AutoSave Universal module manages source files and changes for Ethernet accessible devices such as computers, operator interfaces, robots, scales, word processors, transmitters, spreadsheets, soft logic, and graphics applications.

AutoSave's Universal module folds these applications under its security umbrella to offer you both an interactive environment and background monitoring, resulting in a comprehensive change management solution. You have complete control over your programs including:

- Secure Application Launch
- Real-time Archives to Central Library
- Historical Tracking
- Automatic Change Notification
- Quick Disaster Recovery

### CLIENT / SERVER / AGENT

The AutoSave Universal module plugs into the AutoSave client which is installed on each user workstation. An AutoSave server acts as the master control center that coordinates all change-related programming activities and stores PLC project files, and an agent provides distributed processing efficiencies for the server.

### APPLICATION EDITING

The AutoSave Universal module interfaces with other software in a launch-only mode via the user-configurable command to initiate the application's executable. This enables a user to quickly edit a shared device or group of files

### CONNECTIVITY

AutoSave can access devices by means of Ethernet TCP/IP or Microsoft File Share. The primary difference in the Universal module and other AutoSave modules is the ability to group files and provide upload, download, automated compare, and versioning for generic Ethernet accessible devices

### ARCHIVED CONTENTS

Individual files or a complete directory with wild-card \* or ? specification can be used to define a list of files. The AutoSave server stores both binary and ASCII program files in a compressed format on the centralized server. The compressed files are transferred between the client and server to save significant time and disk space. The files are accessible to the client application for dynamic editing. The entire project is saved and restored to the client or agent whenever needed for subsequent use.

### UPLOAD SHARE DEVICE

Uploading the file set from the Share device to the server first uploads the files via the configured network Share drive to the agent and then compresses all the program's files and saves them to the server, creating a new current copy. This is the preferred method of creating the initial current copy of a Share device program.

### DOWNLOAD TO SHARE DEVICE

A download enables the user to select the current copy or any available ancestor or version with which to update the Share device. Accessing the download function only via a context menu provides additional security, as does AutoSave's prompting for confirmation before initiating the download. In all cases, AutoSave creates a new current copy.

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## SECURED PROGRAM ACCESS

The AutoSave client interface allows users to access the AutoSave functions using a login and password. At login, the AutoSave server determines the level of access to the different folders and programs permitted to the user.

## VERSION CONTROL

When the user requests a program via AutoSave, the file becomes locked and indicates who has the file checked out. The system denies access to others while the program is in use. When the user completes editing and saves the changes, AutoSave prompts for a revision note, creates a new current copy, relegates the previous current copy to a numbered ancestor, and unlocks the program.

## COMPARISON FEATURES

Comparison of ASCII files reports the exact location and area surrounding the difference. Comparison of binary files report an indication of a bit-by-bit difference. You can configure files to be included or excluded from the compare operation (e.g. alarm files or log files). If the Universal program to compare is a directory, or multiple directories, (for example, a directory of Wonderware screens and configuration files) the comparison indicates which file or files differ.

All comparison differences are displayed with a different color, as shown in the following example:

<a href="#">First</a>			
Line #	\\Test.txt from Ancestor 00233	Line #	\\Test.txt from Ancestor 00232
<a href="#">Prev</a>			
3	Edit 2.	3	Edit 1.

## COMPARISON ON DEMAND

Compare any two revisions of the program - current, local, ancestor, or version - to each other or to the share device. This comparison is initiated by a user and may be performed from any client computer with access to the program.

## AUTOMATED COMPARISON

Unattended comparisons of configured groups of files may be scheduled between the current copy and the shared device or a selected named version. This module supports the AutoUpdate feature to update the server with a new current copy if the current copy differs from the share device.

## NOTIFICATION

Notification email is automatically sent to selected users when comparisons or changes are made.

## SUPPORTED DEVICES

Universal programming software supports designating a Windows Share as a device for upload, download, and comparison purposes.

## CASE-BY-CASE UPDATES

This module is not tied to any specific application executables. The module itself receives periodic updates on a case-by-case basis depending on customer needs, technology changes, and market demand.

System Highlights	
Client: Real-time Ancestry	✓
Server: Auto Unattended Operation	✓
Agent: Parallel/Distributed Processing	✓
Secured Program Access	✓
Version Control w/file compression	✓
Windows Share Device Upload	✓
Windows Share Device Download	✓
Client Highlights	
Compare	✓
Editor Launch	✓
Editor Menu Access	✓
Server / Agent Highlights	
Time-Base Scheduling	✓
AutoCompare	✓
AutoNotify	✓
AutoUpdate	✓