AutoSave
Support for Proficy ME

Enterprise tools for automation source management

OVERVIEW

The AutoSave suite of products provides you with the software tools needed to manage all your automation programs. AutoSave controls and tracks the changes to your industrial programmable devices and program sources including GE Fanuc Proficy Machine Edition programs.

AutoSave's Microsoft Windows-based client application offers you both an interactive environment and background monitoring, resulting in a comprehensive change management solution. You have complete control over your device programs including:

- Version-Specific Modules for v4.0-5.0, v5.50, v5.6x – v5.9x, and v6.x
- Secure Edit On-line, Off-line, Launch with/without Save, Upload, Download
- Scheduled Comparison with AutoUpdate Option
- Historical Tracking and Audit Trails
- Automatic Change Notification
- Quick Disaster Recovery

CLIENT / SERVER / AGENT

The Proficy ME modules are comprised of the AutoSave client installed on a Windows workstation, an AutoSave server acting as the master control center that coordinates all change-related programming activities and stores program files, and an agent providing distributed processing efficiencies for the server.

ARCHIVED CONTENTS

The Proficy projects consist of the .ini and .SwxCF files, irrespective of the number of targets that comprise the project. All are saved as a unit. The complete unit is restored to the client/agent whenever needed for subsequent use.

SECURED PROGRAM ACCESS

The GUI-based client interface allows a user to access the AutoSave functions with a login and password. At login, the AutoSave server determines the level of access to the different folders and programs that are permitted to the user *and* the client PC.

VERSION CONTROL

When the user edits a program via AutoSave, the file becomes locked and indicates the user who has the file checked out. Other users see this lock condition when attempting to access the program. The system denies access to locked programs. When the user completes editing and saves the changes, AutoSave prompts for a revision note, creates a new current copy, relegates the previous current to a numbered ancestor, and unlocks the program. Undo unwanted programming changes by simply downloading an ancestor or master copy to the device and restoring that copy to current.

UPLOAD

AutoSave provides both a client and an agent based upload that initiates GE Proficy's Upload Target from PLC command.
Client-based uploads rely on the client's local copy of Proficy to perform the upload; server-based uploads can be initiated from a client even if it does not have Proficy installed. The server selects an agent to perform the upload using its Proficy software.

DOWNLOAD

AutoSave provides a client-based download that initiates GE Proficy's Download Target to PLC command and presents the Download Options dialog. This enables the user to select the desired choices since Initial/Forced values and hardware configuration, including motion blocks, cannot be downloaded while the PLC is running.

A download to the processor enables the user to select the current copy or any available ancestor or version with which to update the processor's files and results in the creation of a new current copy. Accessing the download function only via a context menu provides additional security, as does AutoSave's prompting for confirmation before initiating the download.

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Features

COMPARISON FEATURES

The Proficy ME modules' Compare via Agent to Device supports a 'Verify' compare that identifies whether the project has been changed or not. It utilizes the Proficy "Verify Equality" function to report the results.

The modules' Compare via Client support a 'Graphical' compare for Ladder & Instruction List (Structured Text for the PAC Series) logic changes that identifies whether the project has been changed or not. This is a proprietary compare format that reports differences in a PDF format.

COMPARISON ON DEMAND

Any two copies of a program, such as current, local, ancestor, version, or processor, can be compared to each other. This comparison is done on an as-needed basis and may be performed from any client with access to the device program.

AUTOMATED COMPARISON

The Proficy ME modules allow for scheduled, unattended comparisons of configured groups of programs. Using the agent to perform the actual upload, AutoSave supports comparing the processor copy to the current copy or comparing the current copy to a selected version (permanent or master copy).

The AutoSave modules for Proficy ME do support the **AutoUpdate** feature when differences between the processor and current copy are detected.

NOTIFICATION

Notification e-mail is automatically sent to designated personnel when scheduled comparisons are completed and provides links to complete HTML detail reports.

COMMUNICATIONS

The modules use either Ethernet or serial to communicate to the device.

Capabilities

System Highlights	
Client: Real-time Ancestry	☑
Server: Auto Unattended Operation	☑
Agent: Parallel/Distributed Processing	☑
Secured Program Access	☑
Version Control w/file compression	☑
Device Upload	☑
Device Download	☑
Client Highlights	
Compare	☑
Editor Controlled Actions/ User Rights	☑
Editor On-line, Off-line, Launch and Start	☑
Server / Agent Highlights	
Time-Base Scheduling	☑
AutoCompare	☑
AutoNotify	☑
AutoUpdate	☑

PROFICY EDITOR REQUIREMENTS

The modules support English only with one module supporting v5.5x and other ones supporting v5.6x and v6.x. The modules have been tested and verified to work with the GE PAC3xi and GE 90-30 PLC's. A separate module supports Proficy ME v4.00 SP4 – v5.00 SP1-2.

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