

# AutoSave

## Support for PL7

### Enterprise tools for automation source management

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#### 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 PL7 programs used with Telemecanique Premium and Micro processors.

AutoSave's Microsoft Windows-based client modules are fully integrated with the PL7 editor to offer you both an interactive environment and background monitoring, resulting in a comprehensive change management solution. You have complete control over your device programs including:

- Secure On-line, Off-line, and Monitor Editing
- Historical Tracking and Audit Trails
- Automatic Change Notification
- Quick Disaster Recovery

#### CLIENT / SERVER / AGENT

The AutoSave PL7 modules are comprised of the AutoSave client installed on a Windows NT, 2000, or XP 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 PL7 .stx file, which includes all the native program logic, symbols, and data files, is saved and restored to the client or 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 areas and programs that are permitted to the user and the client PC and limits access to PL7 functions not directly related to the on-line or off-line edit session to

contain changes and provide audit trails and historical tracking.

#### VERSION CONTROL

When the user opens a program via AutoSave, the file becomes locked and indicates to others the user who has the file checked out. When editing changes are saved, AutoSave prompts for a revision note, creates a new current copy, relegates the previous current to a numbered ancestor, and unlocks the program. Simply downloading an ancestor or master copy and creating a new current copy can undo unwanted programming changes. PL7 does not restrict the program names to a certain character limit; AutoSave supports names of up to 64 characters.

#### UPLOAD

A client upload (using the local client copy of PL7) from the processor first retrieves the current copy files for the local PC. If the processor is equipped with an extended memory card, all three file types are uploaded; otherwise, the uploaded logic and data files from the processor are combined with the symbols file of the current copy. The client then saves all the program's files to the server, creating a complete new current copy.

A server-based upload employs the AutoSave agent technology and affords the capability of performing the upload from a client that cannot communicate with the processor or that does not have the necessary version of PL7 installed.

#### DOWNLOAD

A client-based download (using the local copy of PL7) to the processor enables the user to select the current copy or any available ancestor or version with which to update the processor's logic and data files in its conventional memory. If the processor contains an extended memory card, the logic, data, and symbols file are stored there. Accessing the download function only via a context menu provides additional security, as does AutoSave's prompting for confirmation before initiating the download.

## COMPARISON FEATURES

The PL7 Diff software itself performs AutoSave comparisons and provides a graphical report.

## 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 PL7 module allows for scheduled, unattended comparisons of configured groups of programs. Using PL7 software installed on the agent to perform the actual upload, AutoSave software can compare processor copy to the current copy or compare the current copy to a selected version (master copy). This module supports the optional **AutoUpdate** feature that enables AutoSave to replace the existing current copy if it is different from the processor.

Current Copy	hw001	
File Date	2006-04-12 14:07:16	2006-04-12 11:29:30
User ID	mar	ahn
Client ID	idnetworld	lang
Method	Scheduled Upload	Current to Version
Revision Comment	This Scheduled Upload by TSC Group pjt_jac	orig copy with one contact modified and one added

  

Application Characteristics		
Revision Name	Application 1	Application 2
Station	STATION	STATION
Version	0.0	0.0
Date Last Modified	12MAY2006 11:14:44	08MAY2006 15:06:32
Signature	4740 13196 28249 31371 28978 30168 19617 20715	4740 13196 28249 31369 28978 30168 19617 20365

  

Legend		
10	←	The line is from application 1
14	→	The line is from application 2
12	←	The line has been moved. Its position is indicated in a
13	→	The line has been moved. Its position is indicated in a

## 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 Telemecanique Premium and Micro may be configured with communications parameters for UNI-TELWAY terminal ports, direct Ethernet (XIP), and gatewaying

through an Ethernet equipped processor to Fipway. The XIP driver is configured to include all Ethernet devices and client/agents.

## 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	✓
Compare Documentation Text	✓
Editor Controlled Actions/ User Rights	✓
Editor Launch	✓
Editor Menu Access	✓
Editor Multiple Instances	✓
Server / Agent Highlights	
Time-Base Scheduling	✓
AutoCompare	✓
AutoNotify	✓
AutoUpdate	✓
Server Platform Support	
Windows	✓

## VERSION SPECIFIC MODULES

MDT has certified this module with versions 4.4 /4.5.