

AutoSave

Support for Toyoda PCwin 7

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 Toyoda PCwin 7 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:

- Secure File Access by Computer or Individual
- Support for TOYOPUC PC2/PC3 series of devices; not supported for PC1 and MX series
- Launch of Editor with or without Save
- Scheduled Comparison with AutoUpdate Option
- Historical Tracking and Audit Trails
- Automatic Change Notification
- Quick Disaster Recovery

CLIENT / SERVER / AGENT

The Toyoda PCwin 7 module is 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 Toyoda PCwin 7 file set comprised of the files using the program name (~.*) is saved as a unit. The complete unit is restored to the client 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. AutoSave provides audit trails and historical tracking of activities and updates.

VERSION CONTROL

When the user launches 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. Simply downloading an ancestor or master copy to the device and restoring that copy to the current copy can undo unwanted programming changes.

UPLOAD

AutoSave provides both a client and an agent based upload that reads the PC2/PC3 and writes the All Program, Parameter, Comments, and Registers from the PLC. Client-based uploads rely on the client's local copy of PCwin 7 to perform the upload; server-based uploads can be initiated from a client even if it does not have PCwin installed - the server selects an agent to perform the upload.

DOWNLOAD

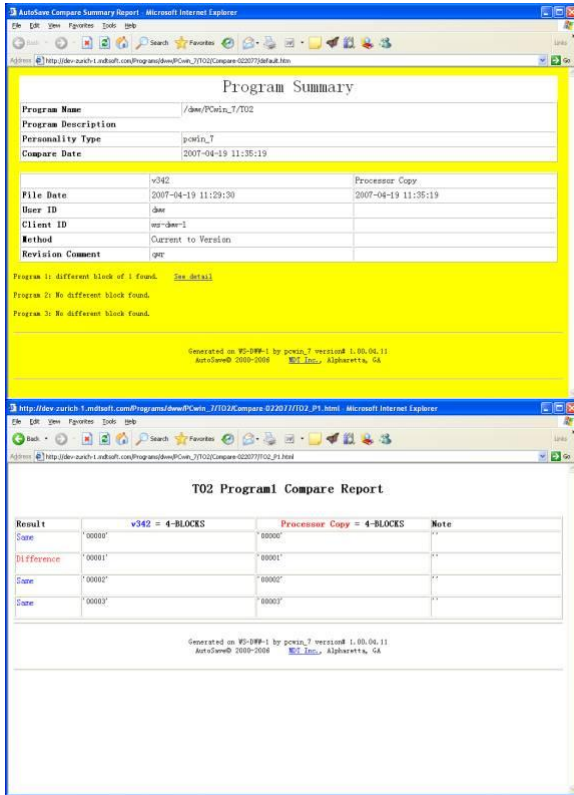
AutoSave provides a client-based download that writes the All Program, Parameter, and Comments to the PLC; during the download, the user is required to respond to a number of PCwin prompts.

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.

Features

COMPARISON FEATURES

The Toyoda PCwin 7 module client performs a detailed comparison of all the program blocks and the parameters; the server performs a comparison of just the blocks. The results are displayed in HTML 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 Toyoda PCwin 7 module allows for scheduled, unattended comparisons of configured groups of programs. Using the agent to perform the actual upload, AutoSave software can compare the processor copy to the current copy or a named version or compare the current copy to a selected version (permanent or master copy).

The AutoSave module for PCwin does 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 module uses either Ethernet or serial to communicate to the device.

Capabilities

System Highlights	
Client: Real-time Ancestry	<input checked="" type="checkbox"/>
Server: Auto Unattended Operation	<input checked="" type="checkbox"/>
Agent: Parallel/Distributed Processing	<input checked="" type="checkbox"/>
Secured Program Access	<input checked="" type="checkbox"/>
Version Control w/file compression	<input checked="" type="checkbox"/>
Device Upload	<input checked="" type="checkbox"/>
Device Download	<input checked="" type="checkbox"/>
Client Highlights	
Compare	<input checked="" type="checkbox"/>
Editor Controlled Actions/ User Rights	<input checked="" type="checkbox"/>
Editor Launch and Start	<input checked="" type="checkbox"/>
Server / Agent Highlights	
Time-Base Scheduling	<input checked="" type="checkbox"/>
AutoCompare	<input checked="" type="checkbox"/>
AutoNotify	<input checked="" type="checkbox"/>
AutoUpdate	<input checked="" type="checkbox"/>
Agent Device Download	<input checked="" type="checkbox"/>
Server Platform Support	
Windows	<input checked="" type="checkbox"/>

TOYODA PCWIN 7 EDITOR REQUIREMENTS

The module supports PCwin v7.0 - 7.5 English version only.