

AutoSave

Support for Concept v2.5 - 2.6

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 Concept programs.

AutoSave's Microsoft Windows-based client application is fully integrated with the Schneider Concept 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 Off-line Editing and Monitoring
- On-line Editing for Supported Devices
- Historical Tracking and Audit Trails
- Automatic Change Notification
- Quick Disaster Recovery
- Separate modules for v2.5/2.6 SR2 or 2.6 SR3-6

CLIENT / SERVER / AGENT

The AutoSave Concept 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 Concept file set, comprised typically of 17+ files, includes all the native program, data, documentation, index, and logic files and is saved as a unit along with any user defined blocks (DFBs). 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 limits access to Concept functions not directly related to the launched off-line edit or monitor 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 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

UNIQUE: As long as the proper Concept download options settings are configured as specified below, AutoSave provides both a client and an agent based upload.

DOWNLOAD

UNIQUE: A Concept download places two images on the processor: the program that actually runs the processor and a copy of the source image. Only the image can be uploaded by Concept; therefore, the Concept software must be configured to download both copies, requiring sufficient memory be available to store both program copies. Download configuration options must be properly set to cause the comments and IEC languages to be downloaded. These settings are mandatory to create a usable file resulting from upload. A client-based 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.

CONCEPT PROFILE

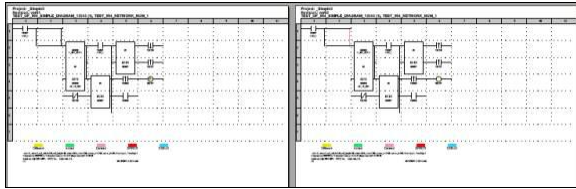
Features

COMPARISON FEATURES

Concept itself provides no comparison function. However, AutoSave does provide comparisons displayed in HTML format and identifying changes in 984 and IEC ladders, function block diagrams and sequential function charts, structured text, and instruction lists. The displayed results indicate program elements both with and without the changes.

Project/Program File List - (Not Modifiable)			
File	Type	Transfer?	Compare?
.	Binary	YES	YES
~.COO	Excluded	---	---
~.DSK	Binary	YES	NO
~.JJJ	Excluded	---	---
~.Q1	Binary	YES	NO
~.Q2	Binary	YES	NO
~.RME	Excluded	---	---
*.ini	Excluded	---	---
*.asc	Excluded	---	---
DBGEN.LOG	Excluded	---	---
~.EAK/	Excluded	---	---
~.EAK/*	Excluded	---	---
~.EAK/*.*	Excluded	---	---

The '~' markers indicate that they are replaced by the actual program/project name itself.
For this compare, they are **momentum**.



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 Concept modules allow for scheduled, unattended comparisons of configured groups of programs. Using Concept software installed on the agent to perform the actual upload, AutoSave software can compare the processor copy to the current copy or compare the current copy to a selected version (permanent or master copy).

The AutoSave modules for Concept 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

Standard communication modes to the Modicon families of processors (Quantum, Compact, Momentum, Atrium) are supported.

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	<input checked="" type="checkbox"/>
Editor On-line, Off-line, Monitor	<input checked="" type="checkbox"/>
Editor Menu Access	<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"/>
Server Platform Support	
Windows	<input checked="" type="checkbox"/>

CONCEPT EDITOR REQUIREMENTS

MDT certifies one module as operating properly with Concept v2.5 and v2.6 SR2. The second module, Concept_26, is a redesign of the first module and is intended only for v2.6 SR3 and higher.

CONCEPT PROFILE