

AutoSave Change Management

Support for CitectSCADA

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 including CitectSCADA v6.x-7.x projects and 'include' projects.

AutoSave works directly with the CitectSCADA software 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:

- Secured File Access by Computer or Individual
- Check out/Check in
- Version-specific modules supporting xxx
- Historical Tracking
- Automatic Change Notification
- Quick Disaster Recovery

CLIENT / SERVER / AGENT

The AutoSave CitectSCADA module complements the AutoSave system that is comprised of the 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.

ARCHIVED CONTENTS

The CitectSCADA file set is comprised of a project directory stored in the Citect CTZ backup format. This can be restored to any target machine whenever needed for subsequent use.

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 and the client PC. AutoSave provides audit trails and historical tracking of activities and updates.

VERSION CONTROL

When the user requests a program via AutoSave, the file becomes locked and indicates who has the project in process. The system denies access to others while the program is in use. When the user completes editing and checks in 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.

UPLOAD

The module allows a user to perform an upload of the target project from the standard configured device (computer) as a demand or scheduled process. Additionally, a user can upload from a selected device on the network that is different from the configured device. This can assist in times when a project that has been distributed to multiple systems has been changed remotely on a system that is not the configured device (computer). The upload format is in the Citect backup CTZ compressed format.

DOWNLOAD

The module allows a user to perform a download of the target project to a standard configured device (computer). Additionally, a user can download to a selected device on the network that is different from the configured device. This can assist in times when a project needs to be distributed to multiple systems that are not the configured device (computer). The download process utilizes the Restore/Extract capability of Citect.

CitectSCADA Product Profile

COMPARISON FEATURES

A client-based comparison may be performed to compare any existing revisions to one-another. Included projects are not considered in the comparison. A comparison to the device is not supported.

The module analyzes the files within the project and compares all ASCII and DBF files in a text-based compare and compares binary files in a checksum compare.

Sample Section of Report with differences...

boiler.ctl	The file boiler.ctl has changed.
boiler.ctm	The file boiler.ctm has changed.
custom.ci	The file custom.ci has changed.
oid.dbf	The contents are the same
project.cit	The file project.cit has changed.
sample.bas	The file sample.bas has changed.
switches.TMP	found in Processor Copy but not current
trend.dbf	The file trend.dbf has changed.
variable.dbf	The file variable.dbf has changed.

Sample Section of Detailed Report for text mode files such as txt, bat, or dbf...

SIDE 1		DIFFERENT	SIDE 2		DIFFERENT	MISSING LINES EITHER SIDE	
LEGEND:							
Line#	Ancestor 00024			Line#	Processor Copy		
2	"COPPER FILTRATI	"	2	"COPPER FILTRATI	"		
3	"Floccul	"Fluoroseringsmedel"	3	"Floccul	"Fluoroseringsmedel"		

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 triggered from any client with access to the CitectSCADA project.

AUTOMATED COMPARISON

The CitectSCADA module allows for scheduled, unattended comparisons of flexibly configured groups of programs. Using CitectSCADA software installed on the agent to perform the actual upload, AutoSave can compare the device copy to the current copy or compare the current copy to a selected version (permanent, master copy). This module supports the **AutoUpdate** feature that enables AutoSave to update the server with a new current copy if the existing current copy is determined to be different than the device.

NOTIFICATION

Notification e-mail can be automatically sent to selected users when comparisons or changes are made.

COMMUNICATIONS

All communication done to and from the CitectSCADA projects is TCP/IP over an Ethernet network.

System Highlights	
Client: Real-time Ancestry	✓
Secured Program Access	✓
Version Control w/file compression	✓
Device Upload	✓
Device Download	✓
Client Highlights	
Compare	✓
Compare Options to Customize Considered Data	✓
Editor Launch	✓
Check out/Check in	✓