

PAC Change Management 11

Managing Changes in an Industrial Environment

PAC Change Management provides capabilities to manage changes to software projects over their lifecycle. Version control, secure access and audit trail capabilities make collaborating on a project easy and eliminates users inadvertently overwriting changes made by other users. In addition, there are optional capabilities for automated scheduling of repetitive tasks and E-signatures for change approval management.

Authorized users can check out a project from the Change Management server, make changes to that project, and then check the project back in. Change Management allows the user to document the changes made to the project when checking it in.

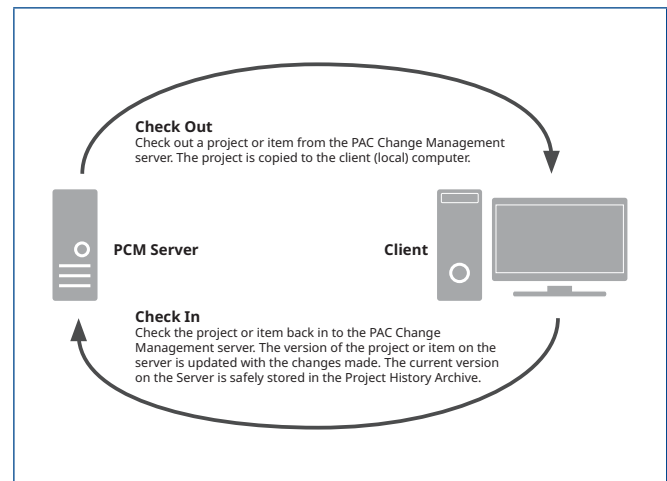
Benefits

Version Control

PAC Change Management provides centralized storage and version control for your projects. This ensures that only one user can make changes to an item or project at a time; keeps track of who is currently working on an item or project; and stores previous versions of projects allowing a user to roll back to an earlier version when issues arise unexpectedly with newer versions.

Security

PAC Change Management utilizes role-based access control to provide you with a means to configure access control to projects and devices within your automation system. Specifically, you create a group that corresponds to a role fulfilled by a set of users within your organization. Each group has a set of permissions defining the actions its members are authorized to perform.

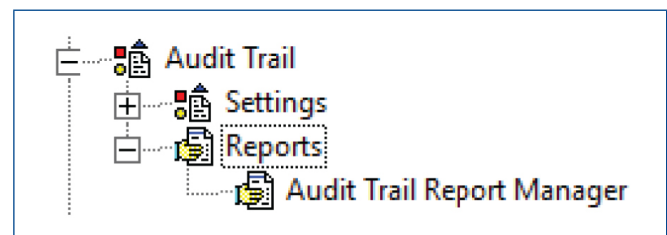


Email Notifications

PAC Change Management can integrate with enterprise email services to send email notifications when certain events occur. Users can also schedule summary emails to be sent on a regular basis.

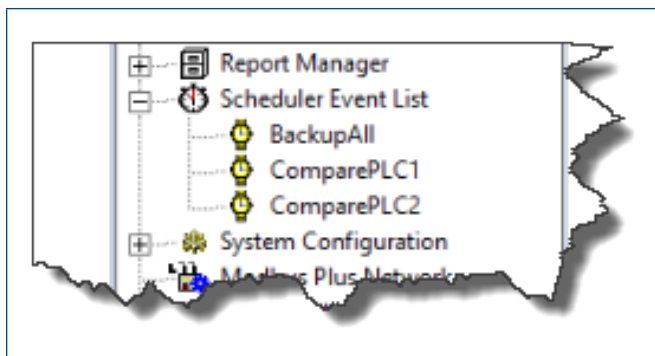
Audit Trails

PAC Change Management can record actions performed by its users. If a user performs an action and the system has flagged that action to be audited, a record is logged in the audit trail database. The audit trail records who performed the action, what action was performed, when the action occurred, where the action happened, and why the action was necessary.



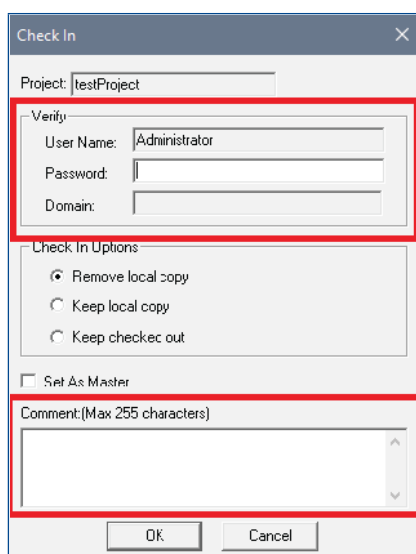
Scheduler

The Scheduler is an indispensable tool that automates repetitive tasks associated with maintaining industrial projects. For example, you can automate controller backups and logic compares. To use the Scheduler, you create events in PAC Change Management. Once an event occurs, the Scheduler Engine executes the associated actions for the event.



E-signatures

Electronic signatures enforce change authorization within your automation system. E-signatures are used to ensure changes are verified and approved by users at a given approval level.



Product Description

Change Management server software can be licensed with 1 to 255 Client Access Licenses (CALs), allowing the system to be tailored to the needs of each application. Electronic Signatures and Scheduler are available as optional features and may be added as required.

License Types

When ordering Change Management 11, you must select one of the following license types: Leased Key or Computer Locked Key. Each license type is designed to meet different deployment and license management requirements. Please note that M7 hardware keys are not supported by Change Management 11.

Leased Key

A Leased Key is activated and managed through a license server. The server maintains a pool of available licenses that can be leased by PAC Machine Edition clients.

The license server can be installed on either a physical or virtual machine. Similarly, PAC Machine Edition clients may run on physical or virtual machines and obtain a license from the server.

This licensing model simplifies administration, improves license utilization, and enables efficient sharing of licenses across multiple users, workstations, and virtual environments.

Computer Locked Key

A Computer Locked Key is permanently tied to a specific physical computer. Once activated, the license can only be used by PAC Machine Edition running on that designated system.

This option is well suited for dedicated engineering workstations where license mobility is not required and centralized license management is unnecessary.

System Requirements

For detailed system requirements see GFK-3245M.

Operating System

Windows 11 Pro, Enterprise, and IoT
Windows 10 Pro, Enterprise, and IoT
Windows Server 2025, 2022, 2019, and 2016

Recommended Physical Machine – Server

Processor: 2.0 – 4.0 GHz
Memory: 16 GB RAM or greater

Recommended Physical Machine – Client

Processor: 2.0 GHz
Memory: 8 GB RAM or greater

Recommended Virtual Machine – Server

Platform: VMware Player or Workstation (Type 2) or VMware ESXi (Type 1)
vCPU: 4
Memory: 16 GB or greater

Recommended Virtual Machine – Client

Platform: VMware Player or Workstation (Type 2) or VMware ESXi (Type 1)
vCPU: 2
Memory: 8 GB or greater

Latest Supported Repository

Apache Subversion 1.14.5

Primary Support

Primary Support is a service designed to optimize the reliability and performance of PAC Software. It provides customers with access to the Emerson Customer Center website, the latest software releases, and access to experts to troubleshoot and address issues with Change Management.

Ordering Information

To order Change Management, both a product part number and a key type must be specified. The table below lists the available Change Management product offerings and their corresponding part numbers. For each part number, customers must select one of the following key types: *Leased Key* or *Computer Locked Key*.

Part Number	Description
CM110xxx	Change Management v11 with xxx CALs
CM110xxx-S	Change Management v11 with xxx CALs and Scheduler
CM110xxx-E	Change Management v11 with xxx CALs and Electronic Signatures
CM110xxx-SE	Change Management v11 with xxx CALs, Scheduler, and Electronic Signatures
PRIMARYSUPPORTNEW	Primary Standard Support New

xxx = Number of CALs (1 to 255)

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