

Cyber Security Patch Management

Compatibility tested and validated for ABB systems

Security Patch Management Report

MICROSOFT SECURITY UPDATES – PRE-DEPLOYMENT

Computer	Unapproved updates (Installed)	Approved updates (Not installed)	N/A updates (Installed)	Approved updates (Installed)
ASDC-01-SV51	2	88	1	3
CLT-01-SV51	1	68	1	2
UTL-01-WIN08	2	75	1	2

— ABB Cyber Security Patch Management verification report showing the current system status, with installed or available updates that have been compatibility tested for ABB systems.

Plant and mill managers know that updates can negatively affect the control system if the patches have not been tested and approved for their system. But this leaves their site at risk from a security breach and the consequences of non-compliance with regulatory or corporate mandates.

Add to this the fact that security updates, whether for the underlying operating system or the anti-virus engine, are going to continue to be issued at a steady, if not increasing, rate. Managing these updates for all system clients across multiple fleets is a daunting task.

Solution

Published operating system and anti-virus software security updates and patches are vigorously tested on all ABB systems to ensure your critical operations remain available. The Security Patch Management Service provides these validated updates and patches with a choice of how they are installed and deployed to best fit how your system is managed.

Protect your automation system with up-to-date operating system patches and anti-virus definitions that have been compatibility tested for ABB systems and deployed at regular intervals.

Windows® operating system security patches can help prevent or fix vulnerabilities and improve how your control system runs. These patches include software error corrections, security vulnerabilities, and potential third party compatibility updates. Virus Scan patches, scan engine and virus definition file updates that have been approved are also included with the Security Patch Management Service.

What's included

The operating system security updates and anti-virus patches, scan engine and virus definition file updates—tested, validated and approved for ABB control systems—are provided in according to the following four levels to fit your needs.

Basic

Each month, the approved security updates and anti-virus definitions for that month, are delivered on disc. Updates and definitions will need to be installed and deployed manually. The Basic level requires a current Automation Sentinel subscription.

Services	Basic	Select	Proactive	Remediation
Security updates and anti-virus definitions	Included	Included	Included	Included
Security updates and anti-virus installation and deployment	Manual	Manual	Manual	Manual
Verification summary report		Included	Included	Included
Installation and deployment validation		Included	Included	Included
On-site installation and deployment validation			Included	Included

Select

Like the Basic level, updates and definitions will need to be installed and deployed manually. Additionally, each quarter, ABB Engineers will validate that the installation and deployment has been successful, using ABB's Remote Access Platform, and a verification list showing the current status of the system will be provided. The Select level requires a current Automation Sentinel subscription.

Proactive

Proactive, consistent patch support contributes to a stable system, which can lead to increased uptime. With this level, installation and deployment of approved security updates and anti-virus definitions are managed by an ABB Service Engineer. Depending on the service contract, the engineer will visit your site monthly, quarterly, or semiannually to install and deploy the patches and definitions. At each site visit a final verification list showing the current status of the system is provided. This level does not require a current Automation Sentinel subscription

Remediation

Approved security updates and anti-virus definitions, up to the current approved release, are installed and deployed by ABB Service Engineers. An ABB Service Engineer will visit site once to install and deploy the patches and definitions. Prior to the installation and deployment, a baseline scan and verification list will be provided, and afterward, a final verification list showing the current status of the system. The Remediation service does not require a current Automation Sentinel subscription.

What sets this service apart

- These operating system updates and anti-virus software patches are tested and approved by ABB for your ABB control system
- Compatibility is tested and verified for all ABB Systems in a safe, off-line environment
- Testing and verification reduces potential for system disruptions due to implementation of maintenance security patches and settings
- Provides protection from intrusion and malicious software
- Insures security policy compliance with regulatory or corporate objectives
- The Verification Summary Report provides a list of the updates and anti-virus files installed, plus assurance that no patches are missing, and that no unapproved patches were installed

References

ABB safely provides security updates and anti-virus patches for its customers across many different industries.