

Security Update Service

Reduce the risk of a cyber attack by establishing the next layer of cyber protection

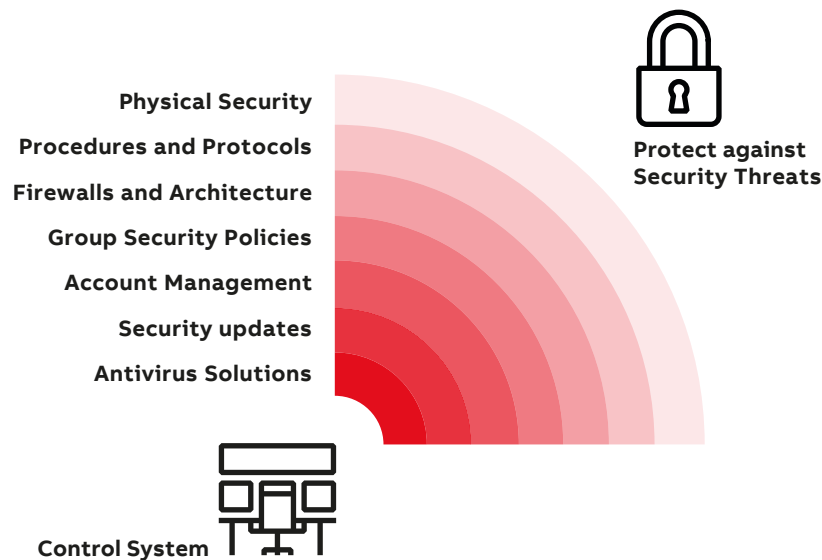


ABB recommends a defense in depth approach with multiple layers of protection placed throughout the system to shield systems and data from threats. Current and validated security updates on site are a key factor to reach the next level of cyber security. The Security Update Service distributes updates in a secure, automated and controlled way to customer sites.

01

For a better protection of your ABB control system against malware infection and cyber-attacks ABB recommends to regularly update the virus scanner software and install the latest Microsoft Windows™ security patches.

- Microsoft® security updates and Microsoft® Service packs are reviewed, tested and validated by ABB for relevance and system compatibility with ABB control system Software
- McAfee® scan engines and virus definition files are verified by ABB for relevance and system compatibility with ABB control system software
- Symantec® scan engines and virus definition files are verified by ABB for relevance and system compatibility with ABB control system software

The validated patches and anti-virus files can be distributed daily to our customer sites (downstream server) in a secure, automated and controlled way with the Security Update Service using a secure source server (upstream server) located at ABB.

The complete process in steps

1. The ABB security server is updated with the latest patches validated and approved by ABB for use in by ABB for use in System 800xA, Symphony Plus and Freelance control systems:
 - Microsoft patches (monthly update)
 - McAfee virus definition files
 - Symantec virus definition files (daily update)
2. The downstream server at the customer site synchronizes with the ABB security server via a secure connection.
3. The downstream server distributes the updates to the connected System 800xA, Symphony Plus or Freelance systems at the customer site.

Features

- Frequent automatic synchronization of downstream servers on customers site with the qualified ABB upstream server for local deployment via a secure connection instead of internet connection to 3rd party servers
- Scheduled process can be fully automated without manual interaction

Customer benefits

- Receive qualified and approved security updates after validation by ABB
- Highly secure and automated process of receiving qualified and approved security patches and security updates to your site
- User efforts in evaluation, installing and testing of security patches and updates minimized
- Increased productivity with an automated process instead of time-consuming manual work
- Virus scanner software and operating system software always updated according to ABB's recommendation
- Enhanced security against cyber-attacks and cyber threats and increased protection of intellectual property

ABB Microsoft® Windows® Server Update Services (WSUS) Upstream Server: Microsoft Patches always up to date (monthly)

Connecting a Microsoft WSUS server (Downstream) at the customer site to the ABB WSUS server (Upstream) will increase the security patch level of System 800xA, Symphony Plus and Freelance immensely. Sites will be synchronized monthly with ABB's evaluated security updates automatically and manual approvals on WSUS servers on site are not needed anymore.

ABB McAfee® ePolicy Orchestrator® (ePO)

Upstream Server: McAfee® virus definitions always up to date (daily)

The McAfee virus definition files are qualified daily for System 800xA, Symphony Plus and Freelance by ABB and distributed via an ABB ePO Upstream Server. The ePO Downstream Server on customer site receives daily updates fully automated.

ABB Symantec® Upstream Server: Symantec® virus definitions always up to date (daily)

The Symantec virus definition files are qualified daily for System 800xA and Freelance by ABB and distributed via an ABB Symantec Upstream Server. The Symantec Endpoint Protection Manager Downstream Server on customer site receives daily updates fully automated.

Secure upstream server at ABB



Highly secure, automated process

