

ABB Ability™ Malware Protection Management

Effective protection against malware



For years, virus and malware infections of computers have been one of the biggest security threats for control systems.

ABB offers the following options for protection against harmful software:

- Malware Protection Blacklisting
- Malware Protection Whitelisting



Malware can infiltrate in your system via the Internet, Intranet and any portable data carriers and external hardware.

Over the years, the use of anti-virus software has proved itself as an effective method of defending against malware.

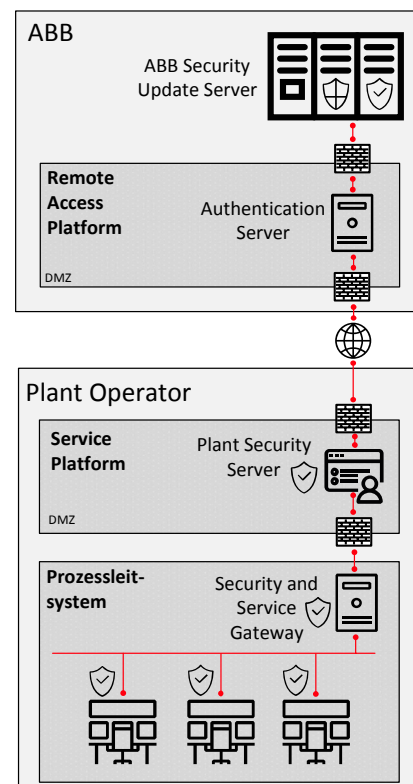
Malware Protection Blacklisting

Anti-virus software (blacklisting) can be provided as the basic solution for protecting the system against viruses and malware. The execution of applications and other software is blocked if malware is detected.

As the manufacturer, ABB documents the tested and approved virus protection programs for ABB automation systems.

To keep the anti-virus signatures in your control system up-to-date, they are updated and deployed in the plant security server and your control system on a daily basis by the ABB Security Update Server via the Remote Access Platform.

Prompt updates ensure maximum protection against attacks on the system. We offer daily updates of the virus signatures approved by ABB.





Malware Protection Whitelisting

The option to monitor and limit the execution of programs in your automation system is available. Whitelisting ensures that only the desired software is executed.

You can provide more protection to your system by using whitelisting as an auxiliary measure to blacklisting. A whitelist comprises all software that is trusted and thus can be executed in the system.

Malware Protection Whitelisting supports the creation of whitelists for all the nodes of an 800xA system via application certificates for different variants of 800xA nodes. After the whitelist is created, it is distributed to all the 800xA nodes and activated. A program can only be executed if it is in the whitelist.

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