Antivirus Protection for DeltaV™ Systems

DELTAV™

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Antivirus Protection for DeltaV Systems

Introduction

The DeltaV™ automation system provides robustness, integrity, and responsiveness for use in critical process automation. Emerson delivers these critical automation system performance expectations by testing supported antivirus software applications for use with the DeltaV control system.

Supported Antivirus Applications

Emerson only supports specific versions of McAfee and Symantec solutions for all current versions of DeltaV systems. These specific antivirus versions have been tested and validated to provide protection for DeltaV systems without causing "false positive" indications for signature-based monitoring.

All currently supported versions of antivirus for use with DeltaV systems can be referenced in these Knowledge Base Articles: AP-0400-0004 and AK-1600-0076. Customers are expected to choose one of these products to deploy tested, certified, and supported antivirus software on a DeltaV.

Antivirus Software Setup

Supported installation methods include use of ePO to push Antivirus agents to machines or having Emerson services deploy the Antivirus solution. Antivirus can be configured for real-time scanning on DeltaV workstations. Additional information on antivirus application updates is contained in the DeltaV whitepaper: System Software Update Deployment.

Updating Antivirus Signatures

DeltaV system workstations must not be directly connected to the Internet to obtain updated virus data files. The DeltaV system only supports manual distribution and installation of virus signatures on workstation nodes, or distribution through Integrated Patch Management for the DeltaV System. Signature files may be installed and updated at monthly or even daily intervals – it is at the customer's discretion.

We have not found it necessary to test each McAfee and Symantec virus signature file update with the DeltaV system and they are pre-approved to be installed in DeltaV systems; however, Emerson does perform a monthly DeltaV compatibility test of the latest available virus signature files in conjunction with the compatibility testing of Microsoft security updates. Customers subscribed to Guardian Support may elect to receive a monthly notification indicating the date/version of the most recently checked virus signature file. Whether installing all virus signature file updates or only those checked by Emerson, it is highly suggested that all virus signature files first be deployed on a test system or single computer to ensure compatibility prior to full deployment.

For further information on the cybersecure, easy and cost-effective update procedure built for DeltaV, please refer to the Integrated Patch Management for the DeltaV System whitepaper.

Antivirus Scan Engine Application Updates

It is the responsibility of the user to stay informed of scan engine software updates that may be distributed by the antivirus software vendor. The DeltaV system provides vendor patch support only for the currently shipping version of antivirus software. Patch support is limited to testing the update for incompatibilities with the currently shipping DeltaV software. Vendor-supplied updates for previous versions of the scan engine software are not supported, nor is testing of new antivirus software with previous DeltaV versions.

Additional Information

If customers desire to use other unsupported versions or other antivirus products/solutions, we can quote SureService Integration testing services to test those solutions.

No group within Emerson can approve or certify a different antivirus solution or implementation from the standard solutions listed above. Any opinions on usability or risk in using other antivirus solutions are those of the specific individual making the statements and are not to be construed as implying or promising support for any other solution not documented above.

Emerson provides this information as an aid to customers for implementation and deployment of Antivirus within a DeltaV system. Antivirus is only one layer of security in a comprehensive plan for a cybersecurity program. Even with proper installation and setup of this, or any other, antivirus solution, Emerson makes no guarantee that your DeltaV system will remain free from successful virus attacks.

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