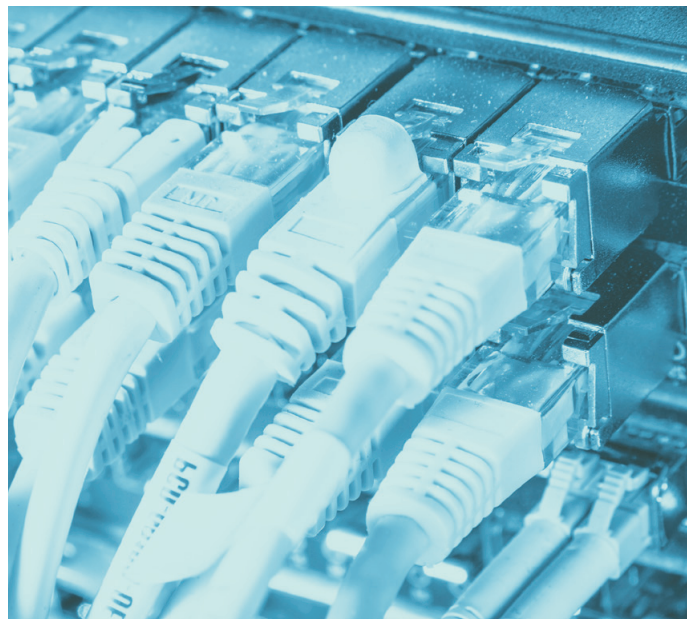


Antivirus (AV) for VistaNET & VistaSTAR products

Policy for the VistaNET & VistaSTAR products functionality with antivirus software

Measurement made easy



Introduction

The scope of this document is to provide general guidelines for the configuration of antivirus software so as to not interfere with the function of ABB VistaNET and VistaSTAR Software suites. It does not give specific instructions for how to configure an individual manufacturer's antivirus product offering, due to the fact that features and user interfaces offered from products differ.

Applications

Applications that will need to be allowed to run and not considered to be threats of any kind in the VistaNET and VistaSTAR software suites are as follows. Note depending on the age and options not all the files below will be installed. Most installations will be a subset of the files listed below. The Remote Client may appear in multiple places due to the fact that more than one version may be installed on a PC. The applications listed inside must have read write access to the windows system folders and the local folders that they are installed in. The VistaStorage application must have the ability to write to an MS Access Database.

Antivirus (AV) for VistaNET & VistaSTAR products

Applications

File name	Description
SD8296.exe	Legacy VistaSAM
VistaStorage.exe	Legacy VistaStorage
RemoteClient.exe	PGC5000 Remote user interface
ClientConfigurator.exe	Modbus and persist file configurator
HIU RUI32.exe	HIU/VN2300DM user interface
Hiud32.exe	Serial interface debug for HIU
VistaOPC.exe	OPC server service
VistaReporter.exe	Reporter application for VistaNET/VistaSTAR
VnRUIcac.exe	Legacy remote user interface for CAC
VnRUIgcc.exe	PGC2000 remote user interface
VnRUImw.exe	Multiwave remote user interface
VnRUIopc.exe	OPC server remote user interface
Vnruivns.exe	VNSA remote user interface
Vnsa.ex	VNSA service
VnSimulator.exe	Instrument simulator
Wiz.exe	VistaNET/VistaSTAR configuration application
STAR_Client.exe	VistaSTAR Client application
VNService.Console.exe	VistaSTAR service console application
VNService.Service.exe	VistaNET service
VNServiceConfiguration.exe	VistaSTAR configuration utility
ConfigurationManagement.exe	VistaSTAR server configuration utility
NotificationManager.exe	VistaSTAR Notification manager
STAR_Server.exe	VistaSTAR server service
VistaSTAR_Service.exe	VistaSTAR service
Modbus_Client.exe	Modbus OPC Client application
modv_client.exe	Modv OPC client application
Host20_Client.exe	20V7 and 20V4 OPC Client applications
OPC_Client.exe	OPC Client application

Windows services

The following windows service are part of the VistaNET and VistaSTAR software suites. They need to be allowed to run, and not considered to be malware threats by the Antivirus software. Note depending on the age and options not all the files below will be installed. Most installations will be a subset of the services listed below. The services listed below must have read write access to the windows system folders and the local folders that they are installed in.

Service name	Description
ABB VistaNET Process Analyzer OPC Service	OPC server service
VistaNET Service	VistaNET service
VNservice	VistaSTAR service
STAR Server	VistaSTAR Server
ABB VNSA Service	VNSA service

Ports

If port blocking is being used by the AV software then the following ports must be opened for TCP and UDP traffic in order for the VistaNET/VistaSTAR Software Suite to function properly. Please note the ports listed below are the default configuration ports setup as the configured from the factory some of these ports can be reconfigured such as port 58921. If the end user reconfigures the port it is their responsibility to open the port for use.

TCP/UDP ports

1
2
21
28
51
57
59
92
109
156
157
158
159
160
502
518
1433
58921
58922
58923

Other considerations

The VNservice, and PGC5000 version 4 uses multicast address 239.1.1.1 on the primary network interface, and 239.1.1.2 on the secondary network interface. This multicast network transmission must be allowed through Firewalls and Ethernet routers, in order for the network to function correctly.

The VistaSTAR server service writes data to an SQL Database. Care should be taken to prevent the AV software to perform scans that result in a file lock happening to the SQL database. The latter will prevent the VistaSTAR server from writing data to the database, and the VistaSTAR product will no longer function correctly.

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