

Topic: ClearCube I8800 I/Port Anti-Virus (AV) Scanning Recommendation
Component(s) Affected: I/Port I8800
Date: April 11, 2005

OVERVIEW / ENVIRONMENT

After testing multiple Anti-Virus (AV) solutions with the I/Port I8800 it has been determined that it is not feasible to run an AV Client solution locally on the device. The two primary reasons for this are the performance degradation that occurs when a scan is in progress, and the limited amount of non-volatile storage space available on the I/Port.

DETAILED DESCRIPTION

After testing multiple Anti-Virus (AV) solutions with the I/Port I8800 it has been determined that it is not feasible to run an AV Client solution locally on the device. The two primary reasons for this are

- Performance degradation that occurs when a scan is in progress
- Limited amount of non-volatile storage space available on the I/Port.

However, there is a workable solution that allows system administrators to run regular virus scans against the I/Ports installed in their enterprise. The solution involves using your existing corporate AV solution and remotely scanning the memory and non-volatile storage on the individual devices (e.g., I/Ports) over the network. This requires that each I/Port is connected to a common network that has your corporate AV solution running on a PC Blade or other system.

RESOLUTION

By default, Windows XP creates administrative shares for the local drives on the devices, so this solution can be configured with little, or no hands-on configuration required on the I/Ports. It is important to note that, by design, an I8800 creates a virtual RAM drive on boot. This drive is used as the primary storage for all currently used system and temp files. This drive is fully exposed to the operating system and has an administrative share created for it as well. Both the C\$ root administrative share and the Z\$ RAM Drive share should be mapped by the AV application running on your network, and scanned remotely. In addition to scanning the drives mentioned above, RAM memory should be scanned for viruses if your AV software supports that option.

Since each individual software package varies, the operation or configuration of the various AV programs is beyond the scope of this Technical Bulletin. Industry best practices should be followed when configuring your particular software application.

For assistance in configuring your corporate anti-virus application to remotely scan the I8800 I/Ports in your environment, contact ClearCube Technical Support at:

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