



Virus Protection for Medical Device applications

Healthcare/NHS | Virus Protection | SE46 Application Whitelisting



SE46 Application Whitelisting is perfect for use in medical systems

Medical Equipment Free From Digital Diseases
SE46 Application Whitelisting from Cryptzone is ideal for clinical environments where quality and patient safety is critical. Hospital management teams are assured that systems protected by SE46 are completely compliant and remain immune to digital threats from malware and e-disease. This is achieved by ensuring changes to systems software can only be undertaken following approval from a responsible officer.

In hospital environments it has proved to be particularly important to apply a truly proactive security solution to address the threat of viruses, worms and Trojans. This method is known as whitelisting.

Whitelisting ensures that no applications other than those approved, can be used on protected equipment. Traditional security solutions, such as antivirus, use the reverse approach of blacklisting, which looks for software previously identified as malicious. Such an approach can never attain the same level of security and quality because it is simply impossible to keep up to date with evolving software threats.

SE46 Application Whitelisting is perfect for use on medical systems. It works with any equipment based on a Microsoft Windows operating system. SE46 is also widely used in real-time and embedded systems, primarily because it is a stand-alone system, which requires few system resources from the computer on which it is implemented.

Only Approved Applications on Medical Devices

The biggest advantage for hospital management is they can be 100% sure that only the right version of approved applications can be installed

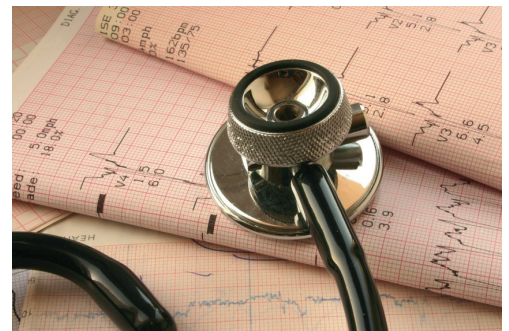
and run on a SE46 protected system. Therefore the risk of other malicious or just resource hungry software being introduced is completely eliminated. Developments in healthcare are rapidly moving towards an environment where all systems are networked to enable the exchange of information between different care units. Using SE46, systems are protected from being infected by unwanted and malicious code, regardless of the equipment it is connected to on an internal or external network.

Prevent Data Loss through USB

To maintain patient safety and system integrity, SE46 Application Whitelisting prevents information being removed from computer systems using peripheral devices, such as USB flash drives, CDs and DVDs.

Ortivus eliminates Malware

By combining expertise in wireless, IT and medical technology with clinical knowledge, Ortivus offers unique solutions, which ensure that the patient has immediate access to the right medical treatment and skills throughout the care process. This results in better medical outcomes as well as improving the efficiency of the entire healthcare system.



SE46 Application Whitelisting has been integrated into Coronet and MobiMed to control security of its software environment

Ortivus Improves Safety

In accordance with MDD (Medical Device Directive) Ortivus classifies all its products, including medical records for ambulance services, as medical devices. In the light of the regularity with which IT security incidents occur within the healthcare sector, there is a great need to improve the safety of its medical equipment. In order to address this critical need, Ortivus has chosen to implement Cryptzone's proactive security solution SE46 for its MobiMed and CoroNet products, in order to completely protect its customers equipment from malware.

Ortivus has integrated SE46 Application Whitelisting into all new versions of CoroNet and MobiMed to control the security of its software environment. These systems are fully protected because unauthorized applications and malicious code are unable to run. This provides unique control and safety while maintaining a standardized operating environment. Existing users of the Coronet and MobiMed can, in most cases, be upgraded with SE46 Application Whitelisting.

The mission of Ortivus is to provide enhanced security, application control and better patient safety. To this end Ortivus can also offer SE46 Application Whitelisting to clients for use on other IT platforms within hospitals. Unlike conventional anti-virus solutions, SE46 Application Whitelisting does not need to be constantly connected to a network in order to search for updates or new "signature files". The alternatives to the old "reactive" anti-virus solutions have previously consisted of various types of simulation software which place heavy demands on bandwidth and working memory.

By only allowing approved applications and files, using digital certificates, SE46 protects critical equipment against malicious code without functionality being impaired or loss of performance. In addition to protecting against malicious code, SE46 Whitelisting maintains on-going protection against applications or processes that are not certified. They simply cannot start up.

Tools For Ortivus Customers

Through the partnership with SE46, Ortivus offers customers a state-of-the-art solution providing advanced threat protection, guaranteeing software integrity of medical devices and other endpoints. The solution no longer necessitates continuous external updates to maintain security. Even if viruses or unauthorized programs somehow get into the network, they are never able to run, so performance of Ortivus systems is never compromised.

"This initiative further strengthens the leadership shown by Ortivus in expertly balancing clinical requirements with the flexibility provided by our wireless based products,"

Per Sletmo
Vice President
R & D and Operations Ortivus.



Cryptzone solutions mitigate information security risks in the key areas of Policy Compliance, Content Security, Secure Access and Endpoint Security.

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