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Ingenuity for life

Comprehensive Protection against Cyberthreats

Siemens and Intel Security synergize for Industrial Security

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Cybersecurity is a major worldwide concern, especially for the manufacturing industry, where production environments have increasingly been the target of hacking. Companies often lack the resources and experience to fend off these attacks. So on the way to Industrie 4.0 and the Internet of Things (IoT), new solutions for cybersecurity and comprehensive protection of both the virtual and the real world are more necessary than ever. Intel Security is supplementing the holistic Siemens Industrial Security portfolio of products and services with additional technologies like Security Information and Event Management (SIEM), antivirus protection and whitelisting.

BENEFITS

- **Enhanced protection for industrial automation systems against cyberthreats**

- **An extensive security portfolio precisely tailored to an industry's special needs**

- **Reduced risk of production downtime or damage from cyberattacks**

- **Higher equipment availability thanks to faster detection of security-relevant events**

About Intel Security

McAfee is now a part of Intel Security. With its Security Connected strategy, innovative approach to hardware-enhanced security, and Global Threat Intelligence network, Intel Security is intensely focused on taking care of its customers' security. It provides proactive, proven security solutions and services that protect systems, networks, and mobile devices for business and personal use around the world. Intel Security combines the experience and expertise of McAfee with the innovation and proven performance of Intel to make security an essential ingredient in every architecture and on every computer platform. Intel Security has taken on the mission of giving everyone – whether private individuals or companies – a way to use the digital world with absolute security.

No computer system can be absolutely secure.

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Greater transparency thanks to Industrial Security Monitoring

Industrial Security Monitoring yields greater transparency in automation system security and availability. Siemens is additionally supporting industry in complying with rules, standards and laws for protecting critical infrastructures. Its basis is the McAfee Enterprise Security Manager, a powerful solution for Security Information und Event Management (SIEM).

Siemens experts also provide early warnings to their customers when heightened risks emerge, and analyze the causes of those events that do occur. They assist companies in recommending and coordinating defense measures as well.

BENEFITS

- **Monitoring critical systems communications and security-relevant events**
- **Compliance Monitoring**
- **Identifying and revealing potential risks**

Better protection against viruses and malware

To enhance automation systems' protection against harmful software with a continuously updated defense strategy, Siemens uses the McAfee VirusScan Enterprise antivirus solution from Intel Security.

Systems and individual files are protected against infection by viruses, Trojan horses and other malware by using continuously updated signature files. Suspicious files can be detected and blocked on the basis of unique signatures.

BENEFITS

- **Increased protection from viruses, worms, rootkits, Trojan horses and other threats**
- **Enhanced protection without interfering with factory´s operation**

Blocking unknown software with whitelisting

Whitelisting Management offers continuous protection, can be managed centrally, and provides for monthly scans of the connected systems' condition.
Siemens uses McAfee Application Control to make sure only trusted applications are executed.

This tool uses whitelisting to make sure that PC-based industrial control systems can run only selected programs. If other programs try to get installed or executed, Application Control intervenes both for malware and for any other undesired program. Users are notified about blocked programs.

BENEFITS

- **Lower risk from unauthorized applications and programs**
- **No need for frequent updates of virus signatures**
- **Notifies users about blocked programs**