# Securing SAP landscapes, 24/7

Industry leading intelligent automation from Avantra
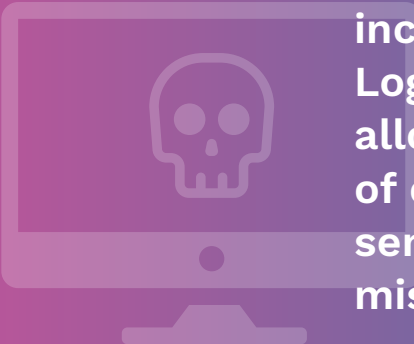
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# The SAP threat landscape

**Cyber attacks on organisations that run SAP enterprise resource planning (ERP) software used to be relatively rare. Not any more. As digital transformation increasingly links SAP systems to online networks and hybrid or cloud environments, they are ever more at risk of a security breach.**

**There were 221 common vulnerabilities and exposures (CVE) in 2020 within SAP systems, compared with just one in 2001.[1] One in five cyber attacks on SAP systems is successful.[2]**

A secure SAP environment is critical to any organisation's operational success. However, whilst SAP HotNews alerts users to new cyber threats, it is very difficult for individual enterprises to keep on top of these. How do they know which systems within their own landscapes are affected, what needs to be addressed rapidly and what can safely be ignored? Security teams have to undertake time consuming manual assessments, using a variety of different tools. Understandably, these may be done infrequently, leaving vulnerabilities unpatched and wide open to attack.

**Recent examples of high risk threats include SAP RECON in 2020 and Log4J in 2021. Both potentially allowed hackers to take control of corporate servers, steal sensitive information and disrupt mission critical processes.**

Threat actors strike at speed and with expertise. They weaponise SAP vulnerabilities within 72 hours of a patch release and can compromise new SAP cloud applications in less than three hours.[3]

[1]cvedetails.com
[2]Cyber Threat Intelligence Report, SAP/Onapsis, 2021
[3]SAP/Onapsis report, 2021

# The pressures of managing complex SAP environments

The complexity of SAP ecosystems makes threat detection and monitoring particularly onerous. They usually consist of many different parts, including SAP and non SAP applications, databases, third party applications, web servers and SaaS solutions, often from different technology providers. It's a huge landscape.

**1/3** Over a third of IT teams currently run between 26 and 500 SAP applications.

**52%** In addition, 52% believe their systems are extremely or very complicated...

**87%** ...and 87% experience system complexity.[4]

# Industry leading intelligent automation from Avantra

**The answer to ERP security uncertainty is automation, speeding up processes, removing the need for repetitive manual tasks, boosting system resilience and driving positive change.**

Avantra offers a unified, simple, streamlined platform to deliver comprehensive SAP monitoring and automation software on premise, in the cloud, SaaS or hybrid. Our next generation intelligent automation securely locks down SAP landscapes 24/7, protects them from escalating threats and provides a secure baseline for accelerated digital transformation.

[4]How Automation Accelerates Innovation for SAP Operations teams, Avantra, 2021

# Take the heat out of HotNews

The Avantra Enterprise HotNews analysis tool takes the strain off security teams by automatically analysing every vulnerability alert. It cross references individual SAP environments to detect and flag up all relevant HotNews Notes. With a holistic view of the entire SAP landscape, users can instantly see which systems are affected, take prompt action and track implementation status for patches.

The Avantra mobile app sends alerts whenever systems need action. These can be reviewed in the platform's enhanced real time dashboards or the pre built Slack and ServiceNow integrations for easy management.

The HotNews analysis tool, available to Enterprise customers, empowers users to be proactive against cyber threats and gives peace of mind that no vulnerability is left unpatched, boosting the resilience of mission critical SAP processes.

# Simplify security audits

ERP security is enhanced with the Avantra automated system patching, hardening, configuration and comprehensive audit programme.

Avantra Enterprise leverages machine learning and predictive analytics to raise early warnings about performance problems. Again, this allows users to resolve vulnerabilities before problems occur. With the SAP security reports, IT teams have greater visibility of system performance and alerts and can focus on ensuring the reliability, compliance and security of the entire ERP system.

The new workflow automation engine, available in the Enterprise and Professional editions, enables users to build customised automation, reducing manual work and simplifying security audits. It also monitors for unauthorised access attempts and takes customised action. By protecting against tampering or unauthorised access, Avantra minimizes exposure to risk.

We also provide a template set of best practices and SAP security guidelines, which can be tailored specifically to individual SAP systems.

# Seamless integration with existing IT workflows

Avantra provides the visibility and automation to support IT operations across complex SAP landscapes. The platform manages a variety of technologies because every SAP environment is different.

Avantra seamlessly and rapidly integrates with existing IT workflows and offers native integration with AWS, Azure, Google Cloud and Alibaba Cloud. Each has a quick and easy connection set up. There is also support for the SAP Cloud Platform and SaaS products such as Cloud Connector, C4C, SAP Cloud Platform Integration or solutions like Ariba.

# Enhance security and drive growth

SAP systems have never been more vulnerable to cyber attack. Avantra automatically evaluates, monitors and manages security risks across the whole SAP ecosystem, ensuring that critical data stays secure and that operations run at peak efficiency. This frees up teams from repetitive manual tasks, to focus on driving value and strategic business growth.

Dynamic and cost efficient, Avantra is the AIOps platform for SAP operations that puts customer experience at front and centre.

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