

Securing SAP on Microsoft Cloud

Safeguard SAP with Microsoft Security

SAP continues to be widely deployed throughout the globe by businesses. However, as the technology landscape continues to evolve and architectures move away from on premise deployments, the traditional methods of securing SAP must also evolve to help protect against the latest global threats.

Microsoft Cloud offers multiple security toolsets capable of controlling environments in the cloud. These controls can be leveraged to protect SAP deployments across core security domains such as: Identity & Access Management; Data Protection; Threat & Vulnerability Management; Incident Response; Network & Perimeter; Secure Logging & Monitoring; and Governance, Risk & Compliance.

In addition, there are several SAP tools and modules which can be enabled to overlay Azure's core offerings and leverage native functionality.

Client Challenge

As organizations move on their IT transformation journey to the cloud new challenges for securing infrastructure arise. This coupled with SAP's position as a high target for attackers due to the confidential data it processes heightens the need for a holistic security model for the cloud.

- Client users require to have seamless authentication and authorization to applications on prem and in the cloud (inc SAP) to maintain a high-end user experience.
- There is a need to centralize all security logs, enable specific high risk SAP specific monitoring, set up alerting and provide operational reporting to security management.
- The client requires to minimise attack surface of their SAP deployment in the cloud through Microsoft tools which differ from tools currently deployed on their on prem SAP deployment
- The client is highly regulated and is unsure how security compliance in Microsoft Cloud should be managed, monitored and reported in a manner that will satisfy regulators.

How PwC and Microsoft can help you

- 1 Assess your current state security model for your SAP deployment and identify gaps and recommendations for remediation in your cloud deployment
- 2 Design your future state Microsoft Cloud SAP security deployment including detailed cybersecurity approach (with timelines & milestones), integrated with the overall SAP implementation / transformation plan
- 3 Deliver optimised SAP monitoring via SAP connector to Sentinel for SAP specific security use case monitoring
- 4 Provide implementation support across all Microsoft Cybersecurity tools and other enterprise Cyber tools such as Azure Active Directory, Microsoft Information Protection, and Azure Firewall to reduce SAP attack surface

Features

■ Unmatched security & compliance

Azure Active Directory for secure user authentication and single sign-on, integrated into SAP Business Technology Platform for authentication simplification and governance

■ Enhanced Security Monitoring

Azure Security Center and Azure Sentinel offer hybrid cloud threat detection and security monitoring for SAP infrastructure

■ Advanced data analytics and insights

Combine with cloud technologies from Azure Blob, Data Lake and Data Explorer, ML and AI via SAP Data Warehouse Cloud and SAP Analytics Cloud

■ Integrate & extend SAP applications

Use SAP Business Technology Platform to build intelligent integration and workflows, that connect to Microsoft automation components across non-SAP area

PwC and Microsoft in action

Challenge: A client is about to embark on an IT transformation to the Microsoft Cloud and is seeking to move their SAP deployment to the cloud. The client is unsure how to adequately protect the SAP deployment in the cloud from attackers.

Solution: PwC will assess the clients current SAP deployment to understand the security model in place. PwC will then work with the client and help design your SAP deployment in the Microsoft Cloud, determining what security controls require to be deployed and how they should be configured in order to reduce attack surface exposure as much as possible.

Results: The client will be provided with an SAP on Microsoft Cloud Deployment Report detailing: the security model to be deployed using Microsoft infrastructure and tools; associated network infrastructure diagrams; and an implementation and roll out plan for deployment of your SAP instances to the cloud.

Get started with SAP on Microsoft Cloud built on Microsoft Azure

Visit pwc.com/us/en/microsoft to learn more.

Let's connect



Nitin Lalit
Director
nitin.lalit@pwc.com



Paul Reynolds
Director
paul.reynolds@pwc.com