Securing SAP Landscapes with AWS and Orca Security

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Your SAP workloads are ready. So is AWS.

SAP landscapes are sprawling, business-critical, and organizations are increasingly under pressure to modernize. Whether you're preparing for 2027 end-of-support deadlines or looking to streamline operations, Amazon Web Services (AWS) provides a secure foundation to move with confidence.

With 1000's of active SAP customers, 143 global compliance certifications, and purpose-built infrastructure tuned for SAP, AWS is where transformation happens at scale. AWS is engineered for high-performance, high-security workloads—without compromising availability or control.

But infrastructure alone isn't enough. SAP systems power critical business functions across finance, operations, and customer experiences—making security a shared priority. AWS works alongside leading security partners, like Orca Security, to deliver deeper protection. These independent software vendors (ISVs) provide SAP-specific tools for threat detection, access control, encryption, and real-time visibility that expand on core AWS security. Whether it's agentless scanning, zero trust enforcement, or telemetry tailored to SAP, they help safeguard your workloads before, during, and after cloud migration.

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Security for your SAP landscape from day one

Migrating SAP workloads isn't a single decision—it's a series of them. What to prioritize. How to manage risk. Where to modernize first. AWS meets you at every step with the infrastructure, expertise, and partner network to help you move faster, without compromise.

From early assessments to long-term optimization, AWS offers services designed to protect SAP workloads across hybrid and cloud environments. This includes infrastructure-level defenses like the AWS Nitro System, workload protections with Amazon GuardDuty and AWS Security Hub, and compliance tools like AWS Artifact and Audit Manager. For RISE with SAP, AWS Verified Access provides secure, VPN-less connectivity—simplifying user access while reducing attack surfaces and improving visibility.

But security doesn't stop there. The AWS Partner Network brings in SAP-specific expertise to address what traditional tools can't:

- Discovery and custom code analysis

- Monitoring, logging, and SIEM tuned for SAP

- Zero trust access, XDR, malware scanning, and performance-aware acceleration

These aren't one-size-fits-all solutions. Each partner addresses a different layer of the SAP stack and stage of the migration journey. Together, they help you strengthen your security posture without added complexity and stay ready for the path ahead.

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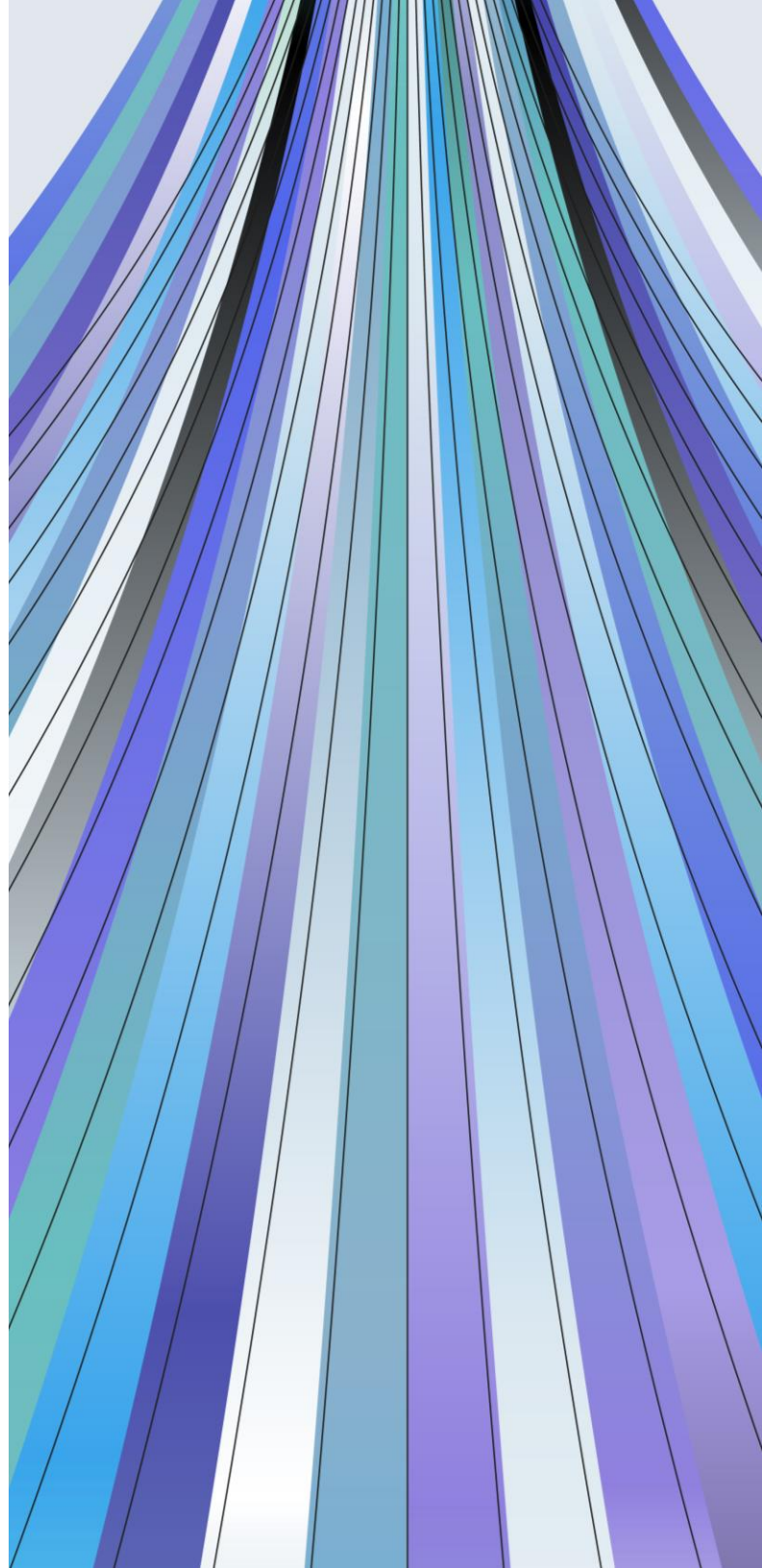
Agentless-First SAP protection with full surface insight

As SAP workloads move to AWS, Orca Security provides comprehensive risk intelligence without traditional agents, delays, or deployment complexity. Its patented SideScanning™ technology delivers deep insight across every SAP layer—instantly and with context.

Orca enables security teams to skip the heavy lift of architectures or managing multiple tools. From day one, Orca scans for vulnerabilities, misconfigurations, and other critical cloud risks across SAP environments and supporting infrastructure. Findings are prioritized by business impact—not volume—and can be routed directly into tools like AWS Security Hub, so teams can act fast and stay focused.

Built for migrations already in motion

Orca is often already protecting the VMs, containerized apps and serverless functions that surround SAP. Extending coverage is seamless. There's no need to pause workloads or install new agents—Orca simply adds SAP to the same unified risk view. Through direct integrations with over 100 AWS products and services, including Amazon GuardDuty, AWS Security Hub, and Amazon Security Lake, Orca delivers real-time insights without disrupting performance. It aligns with AWS best practices and supports a wide range of compliance benchmarks, helping teams monitor SAP system changes over time and reduce audit fatigue.

As the ECC 2027 deadline approaches, organizations aren't just migrating SAP; they're rethinking how security works across their entire cloud estate. Orca fits that shift. It replaces complexity with clarity, giving teams the visibility they need to move forward with confidence.

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Orca Security at a glance

- Patented SideScanning™ technology with agentless-first deployment

- Visibility across SAP and cloud-native workloads

- Integrated directly with AWS Security Hub, GuardDuty, Security Lake, and more

- Context-rich findings prioritized by business impact

- Supports 100+ AWS services and 100+ compliance benchmarks

- Available on AWS Marketplace

Securing your SAP landscape starts here

Learn more about how AWS and Orca Security can support your next step and learn about AWS and SAP.

Get SAP insights with Orca Security →