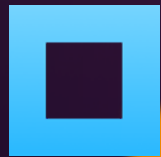




Upwind



PARTNER BRIEF

Managing Cyber Exposure From Ground-to-Cloud

Overview

Today, where attackers exploit the friction caused by fragmented security tools, true organization resilience requires a unified and deep understanding of the entire attack surface. The joint solution offered by Armis and Upwind bridges the critical visibility, security and control gap between physical enterprise infrastructure and dynamic run-time and workloads typically found in cloud-native environments. While Armis Centrix™ provides the exhaustive asset intelligence, context, and control needed to map the enterprise terrain, Upwind delivers high-definition runtime telemetry to expose exactly how cloud workloads are behaving in real-time. Together, they transform static inventory into a dynamic system of ground to cloud continuous exposure management (CEM), ensuring that a threat originating on an unmanaged device cannot laterally traverse into a critical cloud container.

The State of Cyber Exposure

Modern enterprises face a “context gap” that legacy security tools do not bridge. Cloud environments are defined by ephemeral, short-lived assets that often vanish before a standard scan can even detect them, leading to persistent “Shadow IT” and incomplete risk assessments. Simultaneously, the proliferation of unmanaged OT and IoT devices creates hidden entry points that exist outside the view of cloud-native security platforms. Without a way to correlate these two worlds, security teams are left with siloed data, unable to determine if a cloud vulnerability actually impacts a critical production line or if a theoretical risk is currently being exploited in live production.

The Joint Solution: Unified Exposure Management

The Armis and Upwind joint solution creates a single, comprehensive security fabric designed to eliminate blind spots across the entire attack surface. By integrating Upwind’s runtime-first cloud security with Armis Centrix™, organizations evolve from reactive scanning to proactive and comprehensive exposure management wherever the business operates. This synergy allows teams to see not just what they own, but how those assets interact across environments, turning raw telemetry from the cloud into prioritized, actionable intelligence within the broader enterprise context.

How It Works: Integrating Observation And Actionable Intelligence

The integration functions as a continuous feedback loop between enterprise-wide asset intelligence and deep cloud-native observation:

- **Armis Centrix™** provides the comprehensive “Map” of the environment, identifying every asset and potential attack pathway from corporate laptops to unmanaged industrial controllers and HVAC systems. It brings essential intelligence and business context together, defining the criticality of each asset to the organization’s mission.
- **Upwind** acts as the “High-Definition Camera” for the cloud, using lightweight eBPF sensors to monitor run-time processes, system calls, and API traffic in real-time.

Through secure APIs, Upwind feeds live runtime data, including the status of ephemeral workloads and in-use vulnerabilities, directly into Armis. Armis then correlates this data against the broader enterprise risk engine, to deduplicate, contextualize, prioritize and remediate based on real-world exploitability and business impact.

Strategic Use Cases

Neutralizing Lateral Movement: Attackers often pivot from compromised office hardware to cloud-based data repositories. By correlating Armis Centrix™ with Upwind’s cloud runtime detections, security teams can visualize the full kill chain and stop an attack before it escalates.

Runtime-Driven Risk Prioritization: Instead of chasing thousands of theoretical vulnerabilities, teams use Upwind to identify which cloud CVEs are actually “in-use” and reachable. Armis then adds the same for assets and their attack pathways. The findings for both are compiled and Armis adds the business context, and prioritization, thus ensuring the first and most severe risks remediated are those that threaten the most critical enterprise operations.

Continuous Ephemeral Asset Discovery: Upwind captures real-time data on short-lived containers and dynamically created resources that never appear in static inventories. This data is added to Armis Centrix™, providing a single, trusted source of truth for both stable on-prem devices and fluid run-time cloud infrastructure.



Solution Value and Key Benefits

The primary value of this integration is the unification of exposure and risk governance. By combining these essential capabilities, organizations achieve:

Elimination of Alert Fatigue: Contextual risk scoring reduces the noise by focusing on vulnerabilities and other security findings that are actively being exploited or are tied to critical business assets.

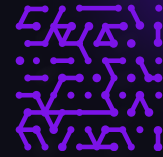
Accelerated Remediation: Security teams move from detection to action faster with built-in root cause analysis, contextualization, prioritization and clear guidance on the most effective remediation paths.

Early Warning Capability: Organizations gain early indicators of compromise based on AI based detection using deception technology on live behavior, allowing for proactive defense before threats can impact the enterprise organization.

Conclusion

In a modern threat landscape, security cannot exist in silos. The Armis and Upwind partnership provides the end-to-end visibility, security and control required to manage cyber exposure in a world where the cloud and the physical network are one. By merging deep runtime visibility with comprehensive asset intelligence, early warning and vulnerability management and control organizations can finally see the full picture, understand what truly matters, and act with precision.





Understand the Armis difference:

- Comprehensive visibility
- Intelligent insights
- Proven outcomes

[Try Armis Centrix™ Today](#)

Armis, the cyber exposure management & security company, protects the entire attack surface and manages an organization's cyber risk exposure in real time.

In a rapidly evolving, perimeter-less world, Armis ensures that organizations continuously see, protect and manage all critical assets - from the ground to the cloud. Armis secures Fortune 100, 200 and 500 companies as well as national governments, state and local entities to help keep critical infrastructure, economies and society stay safe and secure 24/7.

Armis is a privately held company headquartered in California.

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