ARMIS®

SOLUTION BRIEF

Armis Centrix™ Collectors

Optimized & Scalable Cyber Exposure Management & Security

Armis provides a variety of collectors to address the diverse needs of asset discovery, monitoring, and threat mitigation across various environments. This document outlines the types of Armis collectors, explaining how each works, their optimal use cases, and their respective advantages and limitations.

Types of Armis Collectors

Physical Collectors

Hardware-based solutions designed for environments where virtualization is infeasible or infrastructure is limited.

Types

Standard Collector - Capable of handling up to 7 Gbps traffic across multiple SPAN ports.

Dual Power Collector - Similar to the Standard Collector but features dual power for increased reliability and fault tolerance.

Extended Capacity Collector - Handles up to 25 Gbps using 40G ports, ideal for high-traffic environments.

Mini Collector - Compact unit supporting up to 200 Mbps. Ideal for small-scale or remote/branch deployments.

Micro Collectors (LEX Series) - Includes rugged versions supporting Wi-Fi and LTE management.

Use Cases

Industrial or OT environments with complex network configurations.

Remote locations requiring LTE or Wi-Fi connectivity.

High-bandwidth setups demanding specialized hardware.

Advantages	Requirements
Plug-and-play deployment	Requires physical space and power
Reliable and thoroughly tested hardware	May require custom configurations
High data throughput and flexible connectivity options	May require maintenance during hardware replacement or repair

Virtual Collectors

Software-based solutions designed to operate within virtualized IT environments.

Types

Host-Based Virtual Collectors - Deployed on hypervisors within an organization's infrastructure.

Cloud-Based Collectors - Operate within public cloud platforms such as AWS, Azure, or Google Cloud.

Use Cases

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Enterprises with extensive virtualization infrastructure.	Monitoring cloud-native integrations and inter-instance communications.

Advantages	Requirements
Quick and scalable deployment	Requires a virtual infrastructure and hypervisor expertise
Reduced physical hardware requirements	For cloud virtual collectors SPAN traffic may require a significant amount of bandwidth in certain deployment scenarios
Seamless integration into existing IT infrastructure	
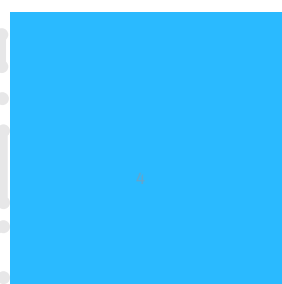
Collectors as an Application

Are deployed directly within customer-managed environments, such as Linux operating systems or Kubernetes.

Types

| **Direct Installation -** Runs on a customer's Linux OS.

| **Kubernetes Pod -** Integrates into Kubernetes clusters.

Use Cases

Organizations in highly regulated sectors requiring full control over the OS.

Environments with stringent compliance requirements.

Advantages	Requirements
Full control over the operating environment	Customer is responsible for OS updates and management
Seamless integration into existing setups

Kubernetes: seamless scalability, reducing the dependency between collectors and integrations | Requires a prepared environment with specific prerequisites |
| Cost-efficient without additional hardware | |

Armis Broker Collector

A software-based data aggregation solution designed to gather and forward asset telemetry to the Armis platform. It acts as an intermediary between the Armis cloud and the customer's network, ensuring seamless and secure data transmission without requiring direct cloud connectivity from the monitored devices.

Type/Operation

Installed as lightweight software within the customer's network or infrastructure.

Integrates with tools such as firewalls, switches, and SIEM systems for enriched data collection.

Forwards data securely to the Armis cloud via encrypted channels, with all processing handled centrally.

Use Cases

Multi-location environments where opening the network to the outside at each location is contraindicated

Low-Resource/Low maintenance environments

Cloud-First Organization - Simplifies architecture by reducing dependency on on-premise hardware.

Rapid Deployment for Critical Systems

Advantages	Requirements
Lightweight deployment & centralized control	May require integration with existing network infrastructure
Reduced infrastructure costs and operational overhead	May not capture certain off-network device activities unless SAQ is configured
Minimal maintenance, updates and configurations	Bandwidth requirements for backhaul might increase in very large environments
Supports diverse protocols and devices, including IoT, OT, and medical devices	Heavily segmented or encrypted networks may require additional collectors
Scalable to large, distributed environments with seamless integrations	Custom integrations with legacy or proprietary systems might require additional development effort
Non-invasive monitoring ensures no disruption to devices or systems	

Summary

Collector Type	Best Suited For	Why It's Ideal	Requirements
Physical Collectors	OT, industrial, or remote locations	Reliable, high throughput, plug-and-play	Requires space and power
Virtual Collectors	Virtualized IT environments	Scalable, cost-efficient	Requires hypervisor infrastructure
Application Collectors	Regulated industries requiring OS control	Full OS management and compliance	Customer-managed updates and prerequisites
Armis Broker Collector	Hybrid environments with mixed OT/IT assets	Centralized data aggregation, seamless integration	Requires a device in the local network to run a lightweight piece of code.
Cloud Collectors	Cloud-based environments and distributed assets	Flexible, cost-efficient, no on-premises infrastructure	Dependency on internet connection and cloud configurations

Armis offers versatile collector options tailored to diverse deployment needs, from industrial OT environments to modern cloud infrastructures. Let us help you understand what might be the most suitable based on the operational requirements and constraints of your environment so that you can select the most suitable collector type to maximize efficiency, scalability, and cyber exposure protection.
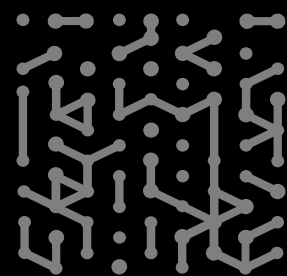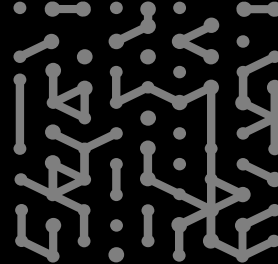
ARMIS.

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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