

Akamai Guardicore Segmentation Zero Trust Microsegmentation For Modern Enterprises

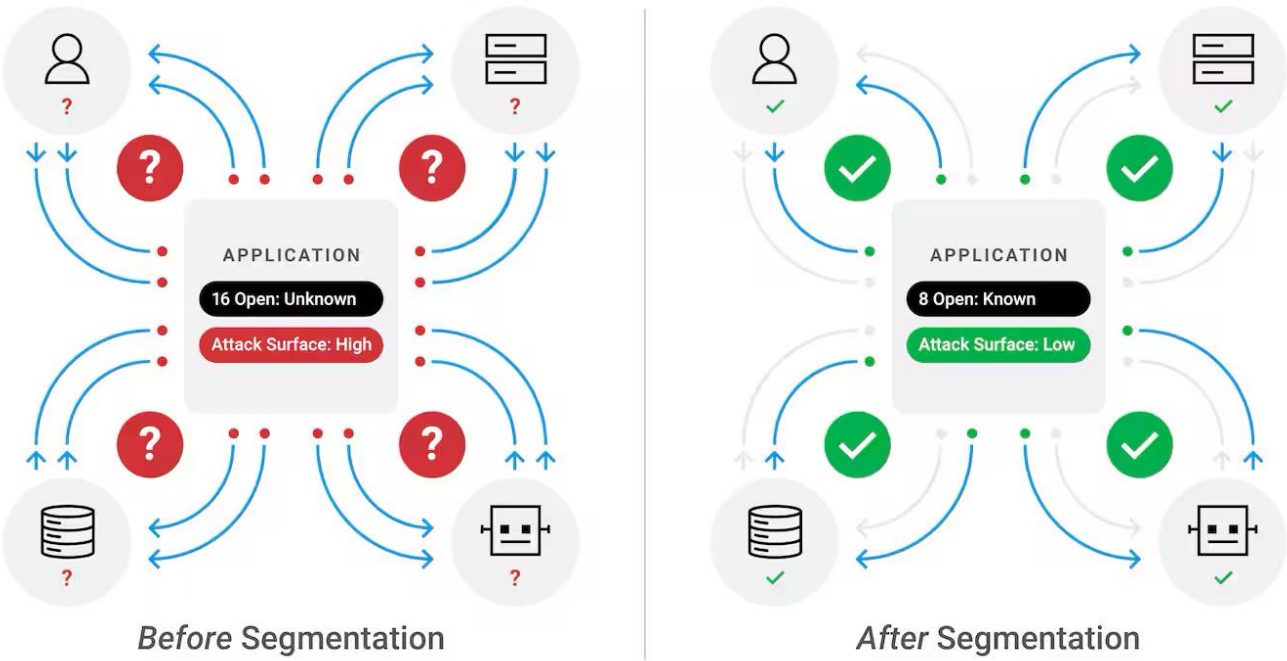


What is Akamai Guardicore Segmentation?

Akamai Guardicore is a micro-segmentation and Zero Trust security platform designed to protect critical assets across data centres, hybrid, and cloud environments. It provides deep visibility into network traffic, enabling organisations to isolate workloads, prevent lateral movement, and reduce attack surfaces.

Unlike traditional firewalls, Guardicore enforces granular, identity-based security policies. With real-time traffic mapping, automated policy workflows, and integrated breach detection, enterprises can secure hybrid infrastructures, meet compliance requirements, and support modern application architectures with ease.

Guardicore delivers a [single, unified view](#) across environments — including on-premises, Azure, AWS, GCP, Kubernetes, containers, and endpoints — ensuring consistent policies and rapid response to threats, anomalies, or environmental changes.



Why Data Sciences?



Proven Expertise Across Africa

With decades of experience and a footprint that spans the continent, we bring deep technical knowledge and real-world understanding to every client engagement.



Enterprise-Grade Partnerships

Our strategic alliances with industry giants like Pure Storage, VAST Data, NEC, and NVIDIA enable us to deliver next-gen technologies with unmatched reliability.



Certified Skills, Agile Teams

Our engineers are certified across key technologies and operate in nimble, client-focused teams to ensure rapid delivery and continuous support.



Local Presence, Global Standards

Headquartered in Bryanston, Johannesburg, we offer the responsiveness of a local partner with the service excellence of a global IT powerhouse.



Business Challenges Solved

Organisations face increasing risks as digital transformation expands the attack surface:

- **Lateral Movement & Ransomware** – Attackers exploit flat networks to spread quickly.
- **Hybrid Complexity** – Security policies often fragment across on-prem, cloud, and containerised environments.
- **Limited Visibility** – IT teams lack real-time insights into dependencies, flows, and risks.
- **Compliance Pressure** – Regulations demand segmentation and proof of adequate controls.
- **Slow Incident Response** – Breach detection and containment remain time-consuming.

Guardicore addresses these challenges by combining deep visibility, precise segmentation, and automated defence into one intuitive platform.

Key Features

 **Granular Microsegmentation** – Enforce policies down to individual processes and services, independent of network architecture.

 **Real-time & Historical Visibility** – Automatically map and visualise flows and dependencies.

 **Flexible Asset Labelling** – Apply rich metadata to workloads for logical grouping and automated enforcement.

 **Intuitive Policy Creation** – Simplified workflows with AI recommendations and pre-built templates.

 **Broad Platform Coverage** – Secure modern and legacy systems, containers, IoT/OT, and multi-cloud workloads.

 **Threat Detection & Response** – Identify lateral movement and malicious activity, with tools for rapid containment.

 **AI-Powered Insights** – Intelligent suggestions for labelling, segmentation, and vulnerability detection.

Benefits to Your Business

- ✓ **Reduce Attack Surface** – Contain breaches by isolating assets and blocking lateral movement.
- ✓ **Enhance Compliance** – Gain the visibility and controls required for regulatory frameworks.
- ✓ **Safeguard Critical Applications** – Ringfence high-value assets with minimal disruption.
- ✓ **Secure Cloud Adoption** – Apply consistent policies across cloud, on-prem, and hybrid environments.
- ✓ **Prevent Ransomware Impact** – Stop attackers from reaching critical systems.
- ✓ **Increase Operational Efficiency** – Automate discovery, policy creation, and incident response.
- ✓ **Simplify Management** – Centralise security operations with one unified Zero Trust platform.
- ✓ **Deliver ROI** – Reduce downtime, optimise resources, and lower incident management costs.




Relevance to Organisations

By uniting software-defined segmentation, Zero Trust enforcement, and AI-powered visibility, Akamai Guardicore helps enterprises:


- o Protect critical workloads across diverse environments.
- o Enforce consistent policies at scale.
- o Strengthen their security posture against evolving threats.
- o Streamline compliance with regulatory requirements.

Why Akamai Guardicore with Data Sciences?

 **Proven Expertise in Security** – We bring local market knowledge and enterprise-grade delivery across Africa.

 **Strategic Partnerships** – Our alignment with Akamai ensures best-in-class Zero Trust innovation.

 **Certified Teams** – Skilled engineers deliver rapid deployment and continuous support.

 **Global Standards, Local Presence** – Headquartered in Johannesburg, delivering responsiveness with international excellence.

About Data Sciences

Data Sciences Corporation is a Bryanston-based IT solutions provider delivering next-gen infrastructure, intelligent platforms, and data-driven innovation across Africa.

Simplify your infrastructure and unlock the full value of your data with **Data Sciences Corporation**—Africa’s trusted partner for next-gen IT solutions.

Contact Us at: info@datasciences.co.za



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