## AKAMAI PRODUCT BRIEF

# **Akamai Guardicore Segmentation**

Stop lateral movement with granular visibility and microsegmentation controls Channel

Enterprise IT infrastructure continues to evolve from traditional on-premises data centers to cloud and hybrid cloud architectures, with a blend of platforms and application deployment models. Although this digital transformation is helping many organizations achieve greater business agility, reduce infrastructure costs, and enable remote work, it is also creating a larger and more complex attack surface that does not have a well-defined perimeter. Each individual server, virtual machine, cloud instance, and endpoint is now a possible point of exposure. And with the prevalence of threats like ransomware and zero-day vulnerabilities, attackers are becoming more adept at moving laterally toward high-value targets when — not if — they find a way in.

Akamai Guardicore Segmentation provides the simplest, fastest, and most intuitive way to enforce Zero Trust principles within your network. It is designed to stop lateral movement by visualizing activity within your IT environments, implementing precise microsegmentation policies, and detecting possible breaches quickly.

### Key solution capabilities

### Granular, AI-powered segmentation

Implement policies in a few clicks using AI recommendations, templates for remediating ransomware and other common use cases, and precise workload attributes like processes, users, and domain names

### Real-time and historical visibility

Map application dependencies and flows down to the user and process levels on a real-time or historical basis

#### Broad platform support

Cover modern and legacy operating systems across bare-metal servers, virtual machines, containers, IoT, and cloud instances

### Flexible asset labeling

Add rich context with a customizable labeling hierarchy for visibility and enforcement, and integration with orchestration tools and configuration management databases for automated labeling

### Multiple protection methods

Integrate threat intelligence, defense, and breach detection capabilities to reduce incident response time

### **BENEFITS TO YOUR BUSINESS**

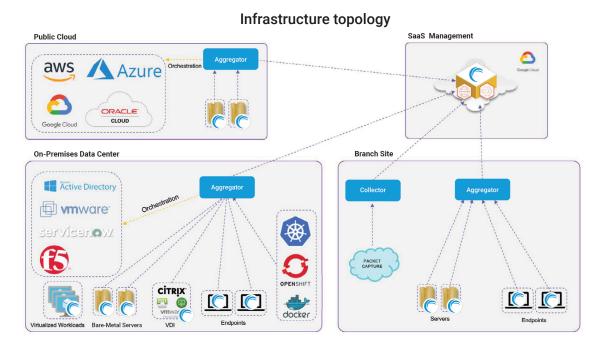
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	Prevent ransomware
<u> </u>	Achieve Zero Trust
**	Accelerate compliance
	Ringfence critical applications
$\triangle$	Secure cloud migrations
	Safeguard remote workforce
	Protect endpoints
	Move beyond internal firewalls



### How it works

Akamai Guardicore Segmentation collects detailed information about an organization's IT infrastructure through a mix of agent-based sensors, network-based data collectors, virtual private cloud flow logs from cloud providers, and integrations that enable agentless functionality. Relevant context is added to this information through a flexible and highly automated labeling process that includes integration with existing data sources, such as orchestration systems and configuration management databases.



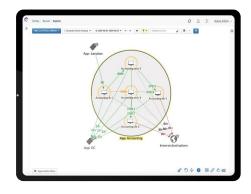
Most customers utilize SaaS management, but on-premises management options are also available.

### Network map

The output is a dynamic map of the entire IT infrastructure that allows security teams to view activity with user- and process-level granularity on a real-time or historical basis. These detailed insights, combined with Al-powered policy workflows, make the creation of segmentation policies fast, intuitive, and based on real workload context.

### Templates

Policy creation is made easy with pre-built templates for the most common use cases. Policy enforcement is completely decoupled from the underlying infrastructure, so security policies can be created or altered without complex network changes or downtime. In addition, policies follow the workload no matter where it resides — in on-premises data centers or public cloud environments. Our segmentation capabilities are complemented by a sophisticated set of threat defense and breach detection capabilities, as well as by Akamai Hunt, our managed threat hunting service.



Create Policy				
Create Zabbix Segmentation Pulicies	Create SharePoint Policies	Create Nessus Segmentation Policies	Create MongoD8     Segmentation Policies	
Peoples	Renjira	Reque	Respire	
Ring Fence a KBs Application by whitelisting inbound a	Create DNS Segmentation Policies	Create NTP Segmentation Policies	Create DHCP Segmentation Policies	
Respire	Respire.	Renjida	Resplate	
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Create Active Directory Segmentation Policies	Prevent Ransomware communication through BITS	Prevent Ransomware lateral movements through PrintNightmare	Prevent Ransomware lateral movements through Task Scheduler	
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Create Ransomware Response - File Share Restrictions	Create Ransomware Recovery and Response Policies	Create Malware Response - Lateral Movement Mitigation Policies	Application Tier- Segmentation by allowlisting flows bet	
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### Comprehensive protection at scale



#### Any environment

Protect workloads in complex IT environments with a combination of on-premises workloads, virtual machines, legacy systems, containers and orchestration, public/private cloud instances, and IoT/OT



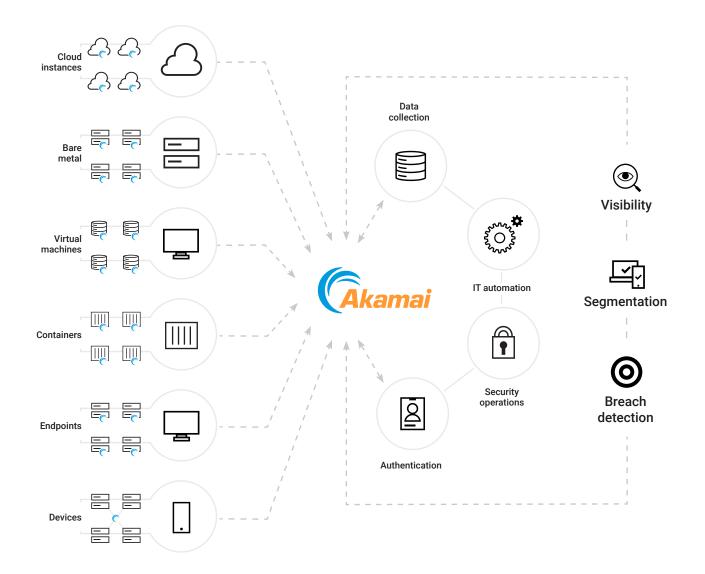
### Simplified security

Simplify security management with one platform that provides network visualization, segmentation, threat defense, breach detection capabilities, and guided policy enforcement for Zero Trust initiatives



### Enterprise scalability and performance

Start with focused protection of your most critical digital assets, and scale up to protect your full enterprise without complexity, infrastructure changes, or performance bottlenecks



### Supported platforms and technologies

- · Akamai Guardicore Segmentation is designed to integrate with your existing infrastructure.
- Our OS support expands continuously with our customers' needs.
- · Check out our technology partners page for a complete list of our integrations.

#### **Operating systems** Linux Apple Microsoft SUSE 👬 CentOS Windows Windows Server **Red Hat** Unix $( \bigcirc$ aws aws ORACLE debian ΑΙΧ FreeBSD SOLARIS ORACLE ubuntu® LINUX Public cloud providers **Hypervisors** aws **CİTRIX** XenServer Microsoft Azure κνM <u> </u> ORACLE AHV Google Cloud NUTANIX Hyper-V Hypervision orchestration Security gateways 111111 CHECK POINT 🊧 paloalto<sup>\*</sup> CISCO Container orchestration and engines pachecloudstack openstack. **Red Hat** kubernetes 🗩 MIRANTIS nuagenetworks OpenShift Browsers for web console Memory and system minimum requirements Management Server Aggregator 32 GB RAM, 8 vCPUs, 530 GB 4 GB RAM, 4 vCPUs, 30 GB Deception Server ESC Collector 32 GB RAM, 8 vCPUs, 100 GB 2 GB RAM, 2 vCPUs, 30 GB INTELLIGENCE-SHARING EXPORT PROTOCOLS STIX, Syslog, SMTP, CEF, Open REST API

For more information about Akamai Guardicore Segmentation, or to request a personalized product demo, visit <u>akamai.com/guardicore</u>.