

Allot Virtual Editions

Service Gateway

Virtual Edition



Flexible, Agile, and Scalable Delivery of Virtualized Network Services

Allot Service Gateway is a powerful and proven service delivery platform, providing a single point of integration in thousands of enterprise and CSP networks, for the deployment of Allot services ranging from advanced traffic visibility, security and policy control, to customer engagement and service personalization. Allot Service Gateway Virtual Edition (SG-VE) plays the same role in your NFV environment. It provides a high-performance service delivery framework deployed on commodity components and built to power Allot's intelligence, security and personalization services as virtual network functions (VNFs) that operate seamlessly and consistently across your core network and into the cloud.

Key Benefits

Increased deployment agility

Deploy Allot's Layer-7 application visibility, policy control, charging, and security services wherever they will be most effective - at customer premise, network edge, cloud data center, or small-scale, remote locations.

Elastic service delivery

Allow automatic adaptation of Allot Service Gateway capacity, performance and functionality to support dynamic service demands.

Seamless service integration

Accelerate time-to-market by delivering some or all of Allot's market-leading services from a virtualized service delivery framework that is pre-integrated with your NFV (e.g. Gi-LAN) and vCPE requirements.

Complete compatibility

Allot Service Gateway Virtual Edition is fully compatible with your current Allot deployments and with ETSI NFV architecture, giving you extreme flexibility as you plan expansions and new service projects.

Features

Single Point of Service Integration

Allot's growing portfolio of value-added services are pre-integrated with Allot Service Gateway Virtual Edition, enabling fast deployment of innovative solutions for:

- Web Security as a Service
- DDoS Protection
- Outbound Threat Protection
- Policy Control & Charging
- Traffic Management
- Network Data Source
- Network Analytics
- Customer Engagement



> Features (continued)

The virtualized platform also supports real-time traffic steering to third-party applications or other virtualized services, so you can minimize interoperability and integration issues and accelerate service rollout.

Accurate Traffic Visibility and Policy Control

Allot's Dynamic Actionable Recognition Technology (DART) engine, embedded in the virtualized service delivery framework, gives you granular visibility of application, user, device, quality-of-experience (QoE), network topology traffic and encrypted traffic. Allot's extensive signature library accurately identifies hundreds of applications and protocols, and also supports user-defined signatures. Frequent and automated updates to the signature library ensure accurate and up-to-date traffic detection and classification. Moreover, Allot's flexible and powerful Policy Editor allows for you to provision and enforce real-time Quality of Service (QoS), steering, metering and charging policy with equal granularity.

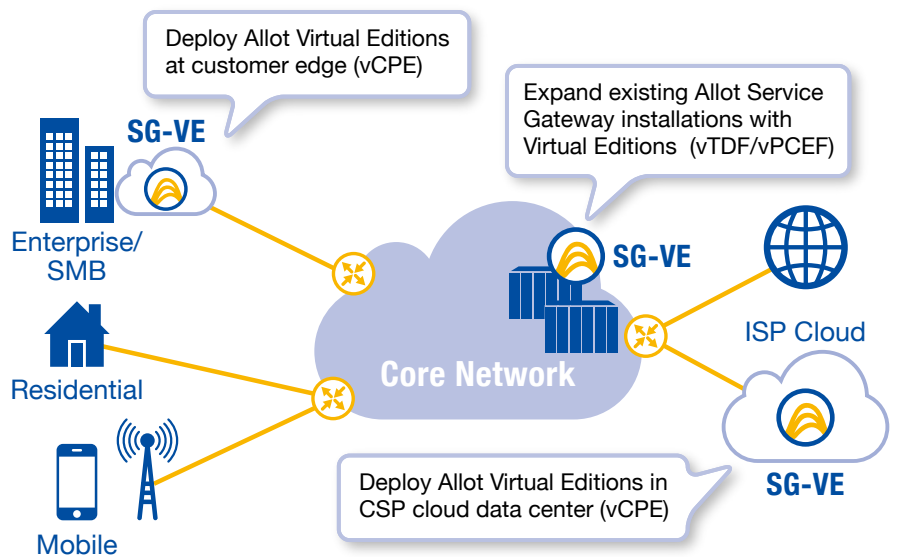
Deployment Flexibility

Virtual TDF/PCEF: Like Allot's purpose built platforms, Allot Service Gateway Virtual Edition is fully compliant with 3GPP standards for intelligent Traffic Detection Function (TDF) and Policy and Charging Enforcement Function (PCEF) in 3G/4G/5G networks, enabling you to leverage Allot's superior traffic identification and classification to enrich the policy decisions of PCRF elements, and to enhance the charging capabilities of online and offline charging systems (OCS, OFCS).

Virtual CPE: Allot SG-VE supports virtual customer premises equipment (vCPE) deployments that let you leverage hardware abstraction to reduce network operating expenses and enjoy shorter and more flexible service introduction or expansion without truck roll replacements at remote offices or customer sites.

Centralized Management

Allot NetXplorer and Allot Subscriber Management Platform (SMP) software work in harmony to provide a central vantage point for network-wide configuration and management of all Allot platforms and services, including Allot Service Gateway Virtual Edition. Allot makes it easy to spin up and provision Virtual Editions on demand, and when requirements decrease, spin down the Virtual Edition and return it to your license pool for future use. Virtual Edition license pools (based on number of CPU/core processors required) are available in flexible increments.



Specifications

Allot Service Gateway Virtual Edition

Allot Service Gateway Virtual Edition supports popular virtualization platforms enabling easy deployment on any public or private cloud. Performance specifications are calculated on the basis of virtual cores and assuming an Intel® Xeon® processor with SR-IOV enabled. Actual throughput performance will be affected by underlying hardware and hypervisor configurations, software licenses, and enabled policies.

Allot Service Gateway Virtual Edition

Allot Service Gateway Virtual Edition				
Virtual Machine				
Virtual CPUs	4	8	16	32
Virtual RAM	8 GB	16 GB	32 GB	64 GB
Virtual Storage	100 GB	100 GB	100 GB	100 GB
Capacity				
Throughput	6 Gbps	12 Gbps	24 Gbps	48 Gbps
Hypervisor				
VMWare ESXi	VMware vSphere 5.5 and above			
RedHat KVM	RedHat RHEL 6.7 and above			
Cloud				
OpenStack	OpenStack Kilo and above			
VMware	VMware vCloud 5 and above			
Operating System				
CentOS	Linux CentOS 7, 64-bit x86			

*Performance figures were measured on reference system, HP DL380G9, E5-2680 V3 CPU, 24 Cores, SR-IOV enabled

About Allot Communications

Allot Communications (NASDAQ, TASE: ALLT) is a leading provider of security and monetization solutions that enable service providers to protect and personalize the digital experience. Allot's flexible and highly scalable service delivery framework leverages the intelligence in data networks, enabling service providers to get closer to their customers, safeguard network assets and users, and accelerate time-to-revenue for value-added services. We employ innovative technology, proven know-how and a collaborative approach to provide the right solution for every network environment. Allot solutions are currently deployed at 5 of the top 10 global mobile operators and in thousands of CSP and enterprise networks worldwide.

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