streamcore

StreamGroomer 2412

Designed to leverage all the features of the Streamcore software suite to ensure user experience at remote sites at up to 50 Mbps

Delivering IT as a service on today's hybrid networks is a challenge, and IT service users need quality service, at all times, to achieve expected business results. Whether business-critical applications are hosted in traditional data centers or in the cloud, users need to get good performance no matter where they are on the available network. As business services become more complex, leveraging distributed applications in the cloud, and as users become increasingly mobile, networks must adapt to changing connectivity and performance requirements. Competitors are demanding this flexibility and efficiency from IT departments; any degradation in performance is unacceptable.

Streamcore's WAN performance management solutions facilitate the following tasks:
- Monitor any application, communication or public/private cloud service on the network
- Inspect, classify, measure, analyze and report on departmental performance
- Interrupt performance slowdowns in real time or off-line
- Control, shape and accelerate traffic to maximize the quality of the user experience

StreamGroomer (SG) network probes monitor, supervise, control and accelerate application flows across the WAN. Deep packet inspection (DPI) and a library of well-known application protocols classify application flows for measurement, control and acceleration, both for reporting and active optimization of network performance. StreamGroomers uses several techniques to optimize the quality of service of interactive applications and multimedia services, shape application bandwidth and reduce the transit time of information transfers. All together, StreamGroomers ensures that users receive good performance regardless of where they are on the network and under all network traffic conditions.

StreamGroomers integrate seamlessly into any access architecture: simple, redundant, with 802.1Q trunking... They are positioned between the LAN and the WAN access router (in a breakaway or on a mirror port), and are managed through a dedicated Ethernet port.

For high-availability architectures, two StreamGroomers can be deployed in dual or tandem, thus guaranteeing continuity of service in all circumstances. Finally, the deployment can be automated by simply configuring all the initial parameters via a USB key.
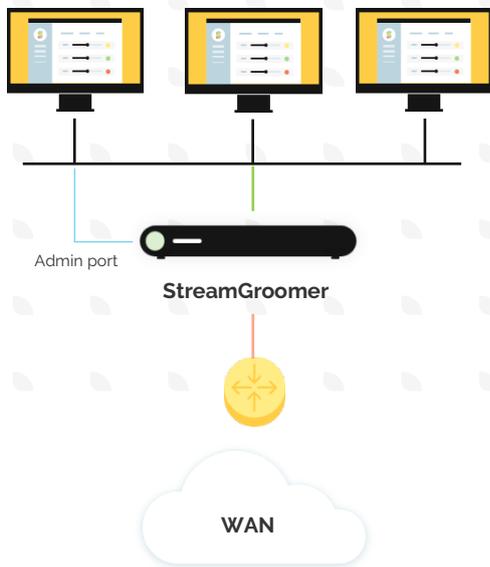
Benefits:
- Ensures the user experience
- Optimized network performance
- Application-oriented analysis
- Hybrid, multi-link networks
- High availability solutions
- Centralized management
- Automated configuration
- Secure management link
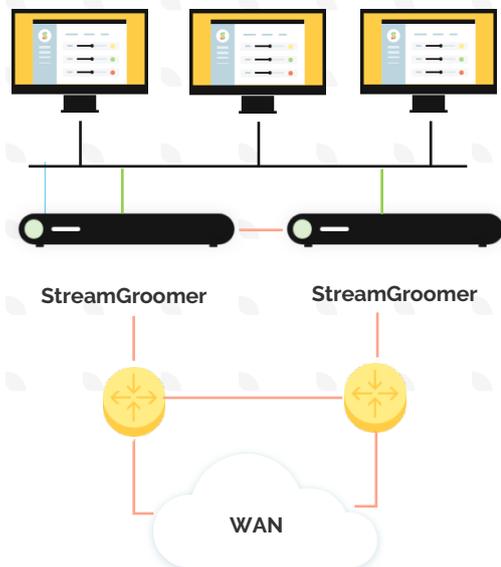
StreamGroomer Functions

- Advanced traffic classification using Deep Packet Inspection (DPI)
- Monitoring and management of flows according to applications
- WAN flow acceleration
- Quality of Service (QoS) control per user session
- Seamless integration between LAN and WAN
- Support for complex hybrid network architectures

- 802.1Q VLAN trunk, redundant access with asymmetric traffic
- Cooperation with service classes
- Integrated bypass
- Out-of-band administration
- Initial configuration with a USB key or console port
- SNMP Agent (MIB II, MIB Bridge and MIB Streamcore)

Simple

Admin port

StreamGroomer

WAN

Dual

StreamGroomer   **StreamGroomer**

WAN

Specifications

Performance
- Throughput - up to 50 Mbps[1]
- Number of partners - [2]
- Max. number of TCP sessions - 5,000
- Max. bidirectional rules - 500

The Interfaces
- Ethernet 10/100/1000Base-T
- 4x LAN/WAN with integrated bypass
- 1x out-of-band administration
- 1x EXT for Dual mode

USB
- 2x USB 2.0

Asynchronous
- 1x console, 1x micro USB

LTE
- 1x M2 LTE card (optional)

Size and environment
Height - 4 cm
Width - 19 cm
Depth - 25 cm
Weight 1.2kg
Temperature 0 - 40°C
Humidity - 5~90% operating 5~95% non-operating

Power
100-240 VAC, 50/60 Hz, 480 W

MBTF
> 45,000 hours

Compliance
CE Class B, FCC Class B, RoHS

[1]The maximum throughput depends on the configured services as well as the number of rules and filters defined on the StreamGroomer, the actual traffic and the number of sessions
[2]The maximum number of partners is constrained by cache size and power. Contact a technical consultant to evaluate the specifics of your configuration.