

## Stingray Traffic Manager on AWS Feature Guide

There are a number of editions of the Stingray Traffic Manager available on the AWS Marketplace for you to choose from depending on the performance you need and the modules and features you want to use.

### Features

Stingray Traffic Manager is a fully featured Layer-7 Application Controller, but to make it easier for you to select the edition you need, we have grouped our features into 'Basic', 'Core' and 'Advanced'.

**Feature Table**

Features	Basic	Core	Advanced
Load Balancing	Y	Y	Y
Rule Builder	N	Y	Y
Traffic Script	N	Y	Y
Compression	N	Y	Y
Content Caching	N	Y	Y
Global Load Balancing	N	N	Y
Bandwidth Management	N	N	Y
Rate Shaping	N	N	Y
Service Level Monitoring	N	N	Y
Auto-scaling	N	N	Y

### Performance\*

You can choose the SSL TPS and the data throughput you need. For our production editions, you can select from 100 SSL TPS and 10Mbps up to unlimited SSL TPS and unlimited data throughput.

### Modules

There are two modules you can add to the Stingray Traffic Manager to enhance the functionality available to you:

#### Stingray Application Firewall

Protect your web applications against known and unknown threats with Riverbed Stingray Application Firewall software. This dynamic sentry secures your public, private, and hybrid web applications at the application layer.

Stingray Application Firewall allows you to:

- Protect against common application vulnerabilities like SQL injection and cross-site scripting
- Establish a secure session identifier, proactively encrypts cookies and URLs, and applies site usage enforcement
- Get immediate real-time alerts and reports on attack trends, application behavior and more
- Learn and monitor application patterns and improve performance by creating white and black lists
- Spread operations across physical, virtual, cloud, or hybrid environments
- Meet PCI-DSS (Payment Card Industry Data Security Standard) requirements.

### Stingray Aptimizer

Aptimizer software offers sophisticated web content optimization (WCO) techniques to automatically speed up public websites (including e-commerce), intranets, cloud apps, and Microsoft SharePoint deployments, regardless of access device or browser used for improved application performance and a high level of service for users

Stingray Aptimizer uses four main WCO techniques to improve your content optimization:

- **File merging:** Merge JavaScript and style sheets, image spriting and background image inlining
- **Compression:** JavaScript and style sheet minification for white space and comment removal, image resampling, metadata removal, and dynamic gzip/deflate compression
- **Caching:** On-server resource caching, dynamic page caching, browser caching, and intelligent auto URL versioning
- **Dynamic layout:** JavaScript/style sheet re-ordering, asynchronous JavaScript loading, on-demand image loading, and device- and browser-aware optimizations



Decide on the features you need, then the performance and then which additional software module you want to add to work out which edition is the one you need.

Basic Editions	STM 500 Family		
Designation	STM 500L	STM 500L2	STM 500M1
Throughput (in Mbps)	10	100	300
SSL Performance (in Tps)	100		
Modules			
Application Firewall	N		
Optimizer	N		

Core Editions	STM 1000 Family						
Designation	STM 1000L	STM 1000L w/AF	STM 1000M	STM 1000M w/AF	STM 1000M w/AF&APT	STM 1000H	STM 1000H w/AF
Throughput (in Mbps)	10		200			1000	
SSL Performance (in Tps)	1000		1000			1000	
Modules							
Application Firewall	N	Y	N	Y	Y	N	Y
Optimizer	N	N	N	N	Y	N	N

Advanced Editions	STM 2000 Family			STM 4000 Family		For Developers
Designation	STM 2000L	STM 2000L w/AF	STM 2000L w/AF & APT	STM 4000L	STM 4000L w/AF	STM Developer Edition**
Throughput (in Mbps)	1000			5000		1
SSL Performance (in Tps)	1000			Unlimited		100
Modules						
Application Firewall	N	Y	Y	N	Y	Y
Optimizer	N	N	Y	N	N	Y

### **\*Performance - What are the performance bands for production Editions?**

Production Editions include a performance rating which specifies the maximum capacity of the software. The performance rating applies to outgoing bandwidth and to SSL transactions per second. Bandwidth capacity is applied to outgoing traffic only, after content compression, and is applied per Stingray Traffic Manager. It limits the speed at which the Stingray Traffic Manager reads data from the backend server nodes. If the capacity limit is reached, then outgoing traffic may be delayed momentarily. Connections are serviced in a fair manner.

Connections will not be dropped unless outbound traffic greatly exceeds the bandwidth capacity for a sustained period of time, when no data can be transmitted before the client or server timeouts expire.

SSL capacity is applied to SSL handshakes (new SSL transactions) and is applied per Stingray Traffic Manager. It is not dependent on the size of the SSL private keys (1024 bit, 2048 bit, etc.). Incoming connections that exceed this rate will be queued momentarily and serviced in a fair manner subject to the licensed rate.

### **\*\*Stingray Developer Edition**

The Developer mode enables all of the functionality of Stingray Traffic Manager, including Stingray Optimizer and Stingray Application Firewall, but imposes a performance limit of 1 Mbps throughput and 100 SSL TPS. This edition is ideal for use in test and development environments to facilitate the creating and testing of production Stingray services. There is no charge for the Stingray Developer Edition.

### **Learn more**

Learn more about the Stingray family of products, including the Stingray Application Firewall and Stingray Optimizer on the Riverbed website: <http://www.riverbed.com/products-solutions/products/application-delivery-stingray/>

### **Join our Splash Community**

Join other Stingray Users and share your experience and ideas on how to use Stingray software at: <https://splash.riverbed.com/community/product-lines/stingray>