

Solution Benefits

- » WAN optimization, dynamic routing and complete network security in a single physical appliance.
- » Consolidated branch networking.
- » Cost savings and simplification of branch office networks.
- » Reduced power and space requirements in the branch office.



Consolidating WAN Optimization, Routing and Security

Vyatta and Riverbed® have partnered to deliver a consolidated edge device combining the Vyatta Network OS with Riverbed Steelhead appliances. Adding Vyatta's routing and security software to the Riverbed Services Platform (RSP) enables enterprises to deploy a single best-of-breed edge device to connect, protect and optimize branch office networks.

Vyatta's software-based approach to networking allows us to deliver a complete network operating system that takes advantage of high-performance multi-core processor advancements and is portable to modern virtualization and cloud infrastructures. Vyatta software offers high-performance enterprise-class static and dynamic routing and complete network security that is optimized for the Riverbed Services Platform (RSP).

Running Vyatta Network OS on Riverbed Steelhead appliances delivers:

- » Edge routing services (BGP, OSPF, RIP, and static routes)
- » IPSec and SSL-based OpenVPN for site-to-site and remote access VPN
- » Stateful packet inspection firewall
- » Intrusion prevention, web filtering, QoS and more
- » Reduced cost compared to separate appliances
- » Reduced space and power requirements
- » No need to stock spares of expensive, proprietary, hardware-based products

Vyatta Network OS Version 6.3

IPv4 / IPv6 Routing	<ul style="list-style-type: none"> » BGPv4, BGPv6 » OSPFv2 	<ul style="list-style-type: none"> » RIPv2 » Static Routes 	<ul style="list-style-type: none"> » IPv6 Policy » IPv6 SLAAC
IP Address Management	<ul style="list-style-type: none"> » Static » DHCP Server » DHCP Client 	<ul style="list-style-type: none"> » DHCP Relay » Dynamic DNS » DNS Forwarding 	<ul style="list-style-type: none"> » IPv6 DNS Resolver » IDHCPv6 Server, Client » DHCPv6 Relay
Encapsulations	<ul style="list-style-type: none"> » Ethernet » 802.1Q VLANs » PPP 	<ul style="list-style-type: none"> » PPPoE » IP in IP » Frame Relay 	<ul style="list-style-type: none"> » MLPPP » HDLC » GRE
Firewall	<ul style="list-style-type: none"> » Stateful Inspection Firewall » Zone-based Firewall » P2P Filtering 	<ul style="list-style-type: none"> » IPv6 Firewalling » Time-based Firewall Rules » Rate Limiting 	<ul style="list-style-type: none"> » ICMP Type Filtering » Stateful Failover
Tunneling / VPN	<ul style="list-style-type: none"> » SSL-based OpenVPN » Site to Site VPN (IPSec) » Remote VPN (PPTP, L2TP, IPSec) 	<ul style="list-style-type: none"> » OpenVPN Client Auto-Configuration » Layer 2 Bridging over GRE » Layer 2 Bridging over OpenVPN 	<ul style="list-style-type: none"> » OpenVPN Dynamic Client
Additional Security	<ul style="list-style-type: none"> » Network Address Translation » Sourcefire VRT Intrusion Prevention » VyattaGuard Web Filtering 	<ul style="list-style-type: none"> » 3DES, AES Encryption » MD5 and SHA-1 Authentication » RSA, Diffie Helman Key Mgmt 	<ul style="list-style-type: none"> » NAT Traversal » Role based access control
WAN / LAN Device Drivers	<ul style="list-style-type: none"> » WAN Device Drivers - T1/E1 » Intel 10/100Mbps - 10Gbps » Broadcom 10/100Mbps - 10Gbps 	<ul style="list-style-type: none"> » IEEE 802.11 wireless » Drivers in 2.6.31 Linux Kernel 	<ul style="list-style-type: none"> » Synchronous Serial - V.35, X.21, RS-422, EIA530
Performance Optimization	<ul style="list-style-type: none"> » WAN Link Load Balancing » Ethernet Link Bonding » Web Caching 	<ul style="list-style-type: none"> » MLPPP » ECMP » Bandwidth Management 	
QoS Policies	<ul style="list-style-type: none"> » Priority Queuing » Network Emulator » Round Robin 	<ul style="list-style-type: none"> » Random / Weighted Random » Classful Queuing » Ethernet Header Matching 	<ul style="list-style-type: none"> » VLAN Tag » IPv6 Address » Port Mirroring
High Availability	<ul style="list-style-type: none"> » Stateful Firewall / NAT Failover » VRRP » HA Clustering 	<ul style="list-style-type: none"> » Configuration Replication » RAID 1 	<ul style="list-style-type: none"> » IPSec VPN Clustering » Protocol Fault Isolation
Administration & Authentication	<ul style="list-style-type: none"> » Integrated CLI » Web GUI » Vyatta Remote Access API 	<ul style="list-style-type: none"> » Telnet » SSHv2 / SSH Public Key » Binary Image Install » Image Cloning 	<ul style="list-style-type: none"> » RADIUS » TACACS+ » X.509 digital certificate auth. » Single Configuration File
Diagnostics & Logging	<ul style="list-style-type: none"> » tcpdump » Wireshark Packet Capture » BGP MD5 Support 	<ul style="list-style-type: none"> » Serial Loopback Commands » Netflow / sFlow » LLDP 	<ul style="list-style-type: none"> » Syslog » SNMPv2c » SNMP for IPv6

Vyatta Network OS for Riverbed RSP

Subscription Packages

BASIC:

- » Vyatta Software Updates
- » Security Alerts & Patches
- » Bug Fixes
- » Proactive Notifications
- » Online Documentation
- » Knowledge Base Access

ENTERPRISE:

Basic Features Plus

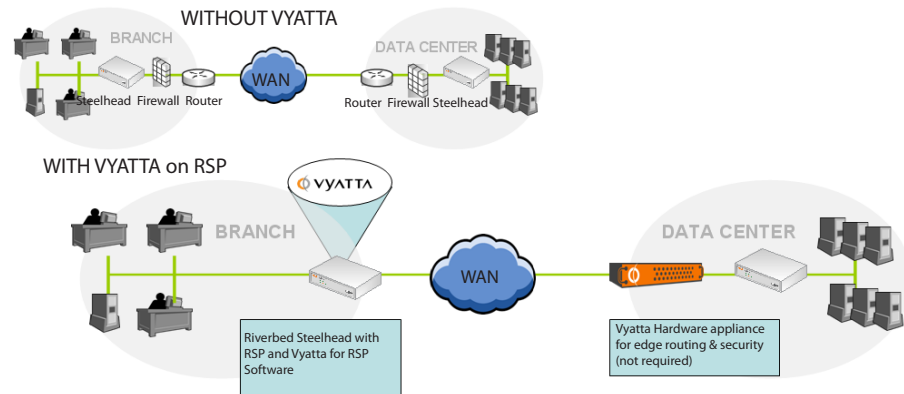
- » 5 X 12 Phone Support
- » Web-based Ticketing
- » Customer Hot Fixes
- » Case SLA - Severity Based
- » Vyatta University Training Getting Started Bundle

PREMIUM:

Enterprise Features Plus

- » 7 X 24 Emergency Phone
- » Case SLA - Priority Response

Vyatta and Riverbed have verified Vyatta's routing and security software runs in the Riverbed Services Platform (RSP). In this environment, Vyatta can provide full routing (BGP, OSPF, RIP, and static routes) and security features (stateful firewalling, NAT, VPN, IPS, etc.) In a typical configuration, Vyatta is deployed on the RSP and configured to operate on the WAN-side of the networking connection to process inbound traffic before the RSP passes the traffic to the Steelhead for processing for full Riverbed functionality and sent to the LAN. Traffic in the reverse direction is first accelerated by the standard Steelhead functionality, then processed by Vyatta and sent to the WAN.



Vyatta's Subscription Edition software is available with your choice of service level and response time to meet your budget goals and business needs. Subscription customers also get exclusive subscription-only features, proactive notifications of security alerts, software releases, patches & bug fixes as well as access to an introductory set of online training courses and the Vyatta Knowledge base containing hundreds of technical articles.

Subscription / Support Plan Details

Service Description	Basic Subscription	Enterprise Subscription	Premium Subscription
DOCUMENTATION AND TRAINING			
Expert Documentation	Included	Included	Included
Extensive Knowledge Base	Included	Included	Included
Vyatta University Training	N/A	Included (4 Courses)	Included (4 Courses)
SOFTWARE UPDATES & MAINTENANCE			
Compiled Binaries for	All Code Releases	All Code Releases	All Code Releases
- Bug Fixes	Yes	Yes	Yes
- Patches	Yes	Yes	Yes
- Enhancements	Yes	Yes	Yes
- Security Alerts	Yes	Yes	Yes
Upgrade & Patch Releases	All	All	All
VYATTA TAC SUPPORT			
Normal Phone Hours	N/A	5x12, 6a-6p PST	7x24 Emergency 1 HR callback
Authorized Callers	N/A	2 per site	Unlimited
Web-based Ticketing	N/A	Included	Included
Case SLA	N/A	Severity-based	Priority
Dedicated Acct Manager	N/A	N/A	Available

About Vyatta

Vyatta is disrupting the networking industry by providing on-demand software-based networking and security solutions that uniquely satisfy emerging IT architectures leveraging virtualization, multi-core server platforms and cloud computing models. Vyatta software and virtual machines provide a complete enterprise-class routing and security feature set that can be provisioned, licensed, billed and scaled on-demand, truly presenting the network as an application. Thousands of physical and virtual and cloud infrastructures around the world, from small enterprise to Fortune 500 customers, Federal Government to Global Telecom, are connected and protected by Vyatta.