Flexible, Affordable, Software Routing and Security

The Brocade Vyatta vRouter delivers advanced routing for physical, virtual and cloud networking environments. The Brocade Vyatta vRouter includes dynamic routing, Policy-Based Routing (PBR), stateful firewall, VPN support, traffic management and more in a package that is optimized to perform in virtualized environments. All features are configured through Vyatta's familiar, networking-centric CLI, Web-based GUI or third party management systems using the Vyatta Remote Access API.

The Brocade Vyatta vRouter supports all major hypervisors or it can be installed on any standard x86 based system. Advancements in x86 processing power have proven that readily available multi-core systems can easily handle small packet processing and deep packet inspection up to 10Gbps.

All Vyatta subscription customers receive our exclusive, world-class software along with proactive notification of software updates, bug fixes and security alerts. Support subscriptions are available with a choice of technical support levels to meet your business requirements. Professional training, certification and proactive engineering services are included in the support packages.

THE VYATTA ADVANTAGE

Scalability: Choosing a software networking solution delivers freedom that has never been available from a routing and security vendor. By offering a software-only option, Vyatta puts the freedom in your hands to right-size your network as needed using readily available off-the-shelf components and systems to drive as little or as much performance as your network requires today.

Performance: The performance scale available from x86 hardware is continually expanding. Today's multi-core servers have been proven to deliver up to 10Gbps routing throughput and faster processors are always on the horizon.

Price: Leveraging open standards in software and hardware allows us to deliver a feature competitive routing and security product for enterprise, government, education and service provider networks at a fraction of the price of common proprietary hardware-based vendor systems.

	Open Source	Subscription Edition
Routing, OSPF, BGP	•	•
Firewall, NAT, VPN	•	•
API, Common Data Model		•
Restful API		•
24x7 Technical Support		•
Stable, QA'd Image		•
Web GUI, Dashboard		•
Multicast Support		•
Dynamic Multipoint VPN		•

Brocade Vyatta vRouter 5400 Series

» Advanced IPv4 and IPv6 routing (BGP Multipath, PBR, OSPF)

» Multicast*

» Stateful firewall

» IPv6 compatible

» Linux-based extensible network OS

» IPSec & SSL-based OpenVPN

» Dynamic Multipoint VPN*

» Secure Web filtering*

» VMware, Hyper-V, Xen/XenServer, Red Hat KVM Ready

» Restful API, CLI, Web GUI*

» World-class 24x7 support*

*subscription edition only

Subscription Support Packages

SILVER:

» Product documentation

» 2 users professional training and certification

» Technical knowledge base

» 2 hour initial response SLA

» Phone access to engineer

» Bug fixes, patches & enhancements

» Security alerts

» 5×12 6am to 6pm local time support

» 2 authorized callers

» Web based case management

GOLD:
Silver Features Plus

» 5 users expert training and certification

» 30 minute initial response SLA

» 24×7 live engineer support

» 4 authorized callers

Network Connectivity

At the core of the Vyatta system is a complex routing engine with full support of IPv4 and IPv6 dynamic routing protocols (BGP Multipath, OSPF, RIP, Multicast) and Policy-Based Routing. Vyatta systems include support for 802.11 wireless, Serial WAN Interfaces and a wide variety of 10/100 thru 10Gb Ethernet NICs.

Firewall Protection

The Vyatta firewall features IPv4/IPv6 stateful packet inspection to intercept and inspect network activity and protect your critical data. Vyatta advanced firewall capabilities include zone and time-based firewalling, P2P filtering and more.

Additional Protection

Vyatta systems offer an additional level of proactive threat protection with integrated secure web filtering available as subscription-based VyattaPLUS services.

Secure Connectivity

Establish secure site-to-site VPN tunnels with standards-based IPSec VPN between two or more Vyatta systems or any IPSec VPN device. Or provide secure network access to remote users via Vyatta's SSL-based OpenVPN functionality. Dynamic Multipoint VPN now available.

Traffic Management

The Vyatta system provides a variety of QoS queuing mechanisms that can be applied to inbound traffic and outbound traffic for identifying and prioritizing applications and traffic flows.

High Availability

Mission critical networks can deploy Vyatta with the confidence that high availability and system redundancy can be achieved through a industry standard failover and synchronization mechanisms.

IPv6 Compatibility

Vyatta Subscription Edition software is the only software-based routing and security solution with proven IPv6 functionality and interoperability, ensuring a future-proof investment in a solution that offers a simplified migration path from IPv4 to IPv6.

Administration & Authentication

Vyatta systems can be managed through our familiar network-centric command line interface, web-based GUI or through external management systems using Vyatta's Remote Access API. All network management sessions can be securely managed using SSHv2, RADIUS or TACACS+.

Monitoring and Reporting

Vyatta systems present complete logging and diagnostics information that can be monitored using in industry standard toolsets such as SNMP, Netflow, Syslog Wireshark and more.

BROCADE VYATTA 5400 SERIES vROUTER RELEASE 6.6

Category			
IPv4 / IPv6 Routing	» BGPv4, BGPv6 » OSPFv2 » BGP Multipath	» RIPv2 » Static Routes » Policy-Based Routing (PBR)	» IPv6 Policy » IPv6 SLAAC » Multicast
IP Address Management	» Static » DHCP Server » DHCP Client	» DHCP Relay » Dynamic DNS » DNS Forwarding	» IPv6 DNS Resolver » IDHCPv6 Server, Client » DHCPv6 Relay
Encapsulations	» Ethernet » 802.1Q VLANs » PPP	» PPPoE » IP in IP » Frame Relay	» MLPPP » HDLC » GRE
Firewall	» Stateful Inspection Firewall » Zone-based Firewall » P2P Filtering	» IPv6 Firewalling » Time-based Firewall Rules » Rate Limiting	» ICMP Type Filtering » Stateful Failover
Tunneling / VPN	» SSL-based OpenVPN » Site to Site VPN (IPSec) » Remote VPN (PPTP, L2TP, IPSec)	» OpenVPN Client Auto-Configuration » Layer 2 Bridging over GRE » Layer 2 Bridging over OpenVPN	» OpenVPN Dynamic Client » Dynamic Multipoint VPN
Additional Security	» Network Address Translation » VyattaGuard Web Filtering	» 3DES, AES Encryption » MD5 and SHA-1 Authentication » RSA, Diffie Helman Key Mgmt	» NAT Traversal » Role based access control
WAN / LAN Device Drivers	» WAN Device Drivers - T1/E1 » Intel 10/100Mbps - 10Gbps » Broadcom 10/100Mbps - 10Gbps	» IEEE 802.11 wireless » Drivers in 2.6.31 Linux Kernel	» Synchronous Serial - V.35, X.21, RS-422, EIA530
Performance Optimization	» WAN Link Load Balancing » Ethernet Link Bonding	» Web Caching » MLPPP	» ECMP » Bandwidth Management
QoS Policies	» Priority Queuing » Network Emulator » Round Robin	» Random / Weighted Random » Classful Queuing » Ethernet Header Matching	» VLAN Tag » IPv6 Address » Port Mirroring
High Availability	» Stateful Firewall / NAT Failover » VRRP » HA Clustering	» Configuration Replication » RAID 1	» IPSec VPN Clustering » Protocol Fault Isolation
Administration & Authentication	» Integrated CLI » Web GUI » Vyatta Remote Access API	» Telnet » SSHv2 / SSH Public Key » Binary Image Install » Image Cloning	» RADIUS » TACACS+ » X.509 digital certificate auth. » Single Configuration File
Diagnostics & Logging	» tcpdump » Wireshark Packet Capture » BGP MD5 Support	» Serial Loopback Commands » Netflow / sFlow » LLDP	» Syslog » SNMPv2c » SNMP for IPv6

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