



"Vyatta, has taught Cisco and the market that a networking box is really nothing but a computer with software."

Dana Blankenhorn
ZDNet



"Vyatta's network OS running on standard hardware not only can scale better in enterprise and service provider edge deployments, but it also delivers enough headroom for expansion"

The Tolly Group



"In addressing the new challenges of cloud networking, the Vyatta Network OS is one of the options administrators can use to provide a scalable, integrated, enterprise-class networking solution for advanced routing and network security functionality for hybrid environments."

The Web Host Industry Review



"..anything you want to do with a standard Cisco router, you can do with Vyatta for the most part, and you don't have to worry about the various Cisco IOS licenses."

David Davis(CCIE, CCNA, CCNP)
TechRepublic



"Vyatta Network OS virtual routing and security capabilities make it easier for enterprises and cloud providers to create and configure multitenant, multi-tiered clouds on-demand."

Jon Rath

Data Center Knowledge

Vyatta Network OS for Physical, Virtual & Cloud Networking

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.

The Power of Software-Based Networking

Software-based networking is a requirement for today's evolving network. For the first time in two decades the industry is experiencing platform shifts that are dictating that networking be delivered as a software solution.

- » Network Edge: Special-purpose devices are giving way to multi-function, integrated solutions.
- » Virtual Datacenter: Protecting virtualized applications requires flexible networking and security.
- » Private & Public Cloud: Network security resources must be available on demand and with utility-based licensing to enable elasticity, automation, isolation, compliance and cost-savings.

Vyatta's software-based approach to networking embraces these trends and is a superior alternative to proprietary hardware-based devices.

The New Network Requirements

Features	Vyatta Network OS	Cisco IOS
Multifunction	Yes	Yes
Hardware Scalability	Seamless across x86 Cores	Cisco Limited
Software Performance	Unlimited	Platform Limited
Virtual Machine Availability	Yes - VMware, Xen, XenServer and Red Hat KVM	No
Open Management API	Yes	No
Integration into Edge Devices	Yes	No
Cloud Readiness	Yes	No
On Demand Provisioning	Yes	No

The Vyatta Advantage

Network Right-Sizing: As a single network OS that scales up and down to meet your requirements, Vyatta puts the freedom in your hands to right-size your network as needed. Using readily available off-the-shelf systems and components, Vyatta breaks the "box lock" model of proprietary hardware vendors and allows you to drive as little or as much performance as your network requires.

Hardware Price/Performance: Standards have turned networking into a server workload. Today x86 hardware can easily outperform proprietary network devices at a small fraction of the cost. And the x86 universe means that faster systems at lower price are always on the horizon.

Virtualization: Vyatta gives you the optional power of running networking functions as a virtual machine. Whether it's VMs at the network edge or VMs in the cloud datacenter, Vyatta radically increases your infrastructure flexibility and produces a substantially higher ROI than proprietary solutions.

Vyatta Solutions Guide: Vyatta Network OS

The Vyatta network operating system is a scalable, integrated, enterprise-class networking solution that delivers advanced routing and network security functionality for physical, virtual and cloud networking environments. The Vyatta Network OS includes dynamic routing, stateful firewall, VPN support, threat protection, traffic management and more in a package that is optimized to take advantage of multicore x86 processing power, common hypervisor platforms and emerging cloud architectures. 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.

Vyatta Network OS Highlights:

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, OSPF, RIP). 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 stateful failover, 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 Vyatta PLUS 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.

Traffic Management

The Vyatta system provides a wide 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 number of industry standard failover and configuration synchronization mechanisms.

IPv6 Compatibility

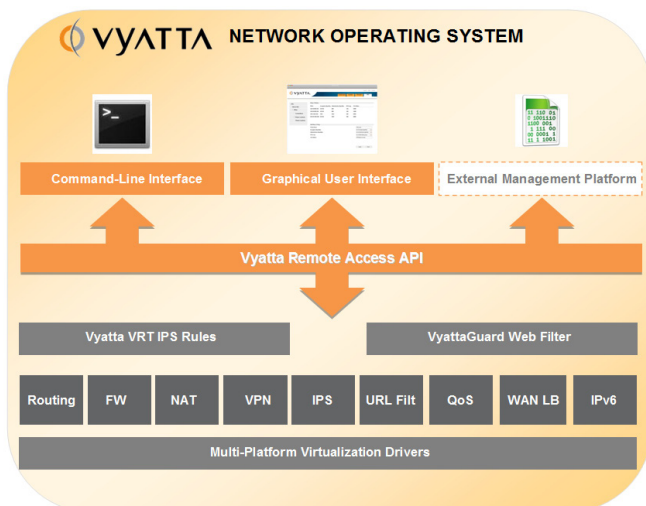
Vyatta Subscription Edition software is the only software-based routing and security solution with proven IPv6 functionality and interoperability, ensuring a future-proof investment in a solution that offers a simplified migration path from IPv4 to IPv6.

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.



FLEXIBLE SYSTEM MANAGEMENT

SUBSCRIPTION-BASED SECURITY

COMPLETE IP ROUTING & SECURITY

VIRTUALIZATION OPTIMIZED

Vyatta Solutions Guide: Products

Product Highlights

Software Subscriptions:

- » Complete Routing & Security OS
- » x86 price, performance, availability
- » Easy Upgrade Path

Virtual Appliances:

- » Optimized for Xen, XenServer, VMware ESX, Red Hat KVM
- » Remote Access Cloud API

Vyatta 600 Appliance:

- » LAN Connectivity - 6 x 1GbE
- » Layer 3 forwarding - 250,000pps
- » VPN Forwarding Max 150 Mbps
- » Max VPN Tunnels 1000

Vyatta 1600 Appliance:

- » LAN Connectivity - 6 x 1GbE
- » WAN Connectivity (DSL,T1/E1)
- » One PCIe Expansion slot
- » Layer 3 forwarding - 600,000pps
- » VPN Forwarding Max 400 Mbps
- » Max VPN Tunnels 2000

Vyatta 2600 Appliance:

- » LAN density - 8 x 1GbE
- » WAN Connectivity (DSL,T1/E1)
- » Two PCIe Expansion slots
- » Layer 3 forwarding - 1,400,000pps
- » VPN Forwarding Max 500 Mbps
- » Max VPN Tunnels 4000

Vyatta 3510 Appliance:

- » up to 8 x 10 GbE ports
- » up to 20 x 1 GbE ports
- » High-availability RAID storage
- » Redundant Hot Swap Power
- » 2,000,000 pps throughput

Vyatta 3520 Appliance:

- » All 3510 features plus...
- » 3GB Memory
- » 3,000,000 pps throughput
- » up to 8000+ VPN tunnels

Vyatta Software Products

Vyatta Network OS

Vyatta Network OS enables customers to deploy routing and security solutions using standard x86-based hardware of their choosing, ensuring networks will always meet performance requirements.

Vyatta Network OS Virtual Machines



Vyatta Network OS for virtualization is designed for complex security requirements of virtual datacenters and cloud computing architectures using most common hypervisors including Citrix XenServer, VMware, Xen and Red Hat KVM.

Vyatta PLUS Enhanced Security

Vyatta PLUS services are subscription-based enhanced security solutions available as add-on services to the Vyatta Subscription Edition software and appliances.

VyattaGuard Secure Web Filtering

VyattaGuard web filtering adds protection and policy enforcement to Vyatta Subscription Edition networking software and appliances using an advanced Web 2.0 content inspection engine for:

- » HR Compliance (pornography, hate speech)
- » Productivity (social media, shopping)
- » Liability / Parental Controls (violence, weapons, nudity)
- » Managing Bandwidth Consumption (p2p, streaming media)
- » Web-based Threat Mitigation (phishing / malware)

Vyatta Professional Services

Vyatta Services are designed to help customers simplify design, installation, configuration and management of Vyatta subscription edition software and Vyatta appliances. From packaged installation and upgrade services to completely custom consulting agreements, the technical team at Vyatta has the knowledge and experience to get your Vyatta-based network up and running and maintaining optimal performance.

Quick Start Configuration

The Quick Start Configuration Service is designed to help simplify customer deployment of common routing and firewalling configurations. Customers complete a simple questionnaire, and Vyatta's technical experts generate a configuration that can be loaded onto your system.

Professional Consulting Services

The Vyatta professional services team also delivers completely custom consulting services ranging from network design and implementation planning to live training.

Software Upgrade Service

Vyatta's Software Upgrade Service allows you to leverage Vyatta's expert technical team to expedite software upgrades.

Vyatta University Training

Vyatta has created a curriculum of training courses that cover basic and advanced topics related to Vyatta networking software. Vyatta University courses are designed to teach users of Vyatta community and subscription edition software the essential skills to design and deploy networks. Over 20 courses available as self-paced online and instructor-led training.

Vyatta Solutions Guide: Services

Customer Testimonials



"Vyatta has allowed us to 'go virtual' in every respect...If we had used physical network infrastructure for this, we would have sacrificed a lot of manageability and driven up our costs. I can recommend Vyatta whole-heartedly to any organization that is looking for a robust networking and security solution that plays well in a virtualized environment."



"Vyatta is able to provide the network services and secure connectivity that Dell GIS Cloud requires in a package that addresses the virtualization, commoditization and cost-benefit requirements of cloud computing."



"I needed a dependable, feature-rich routing solution... I don't want to pay for a bunch of unnecessary features, and I don't want to waste limited data center rack space on an underutilized piece of hardware."



"The number one reason we went with Vyatta was the flexibility and the peace of mind knowing that if we came up with an issue, we'd have lots of avenues to address it from."

Vyatta Subscription Services

Vyatta software and appliance customers get access to Vyatta subscription services package that encompasses ongoing engineering, technical support and services. A Vyatta subscription includes priority access to all patches, bug fixes and software releases as well as proactive notification of security alerts. Vyatta customers are entitled to access to the Vyatta technical support team (up to 24x7), an introductory set of Vyatta University self-paced training courses and a comprehensive online support portal that includes:

- » Software releases, upgrade procedures and release notes
- » Product documentation, including command references and deployment guides
- » Knowledge Base with hundreds of entries covering deployments, known issues, errors, etc.
- » Bug reporting / tracking and Enhancement request system

Vyatta support options include Premium level 24x7 emergency support with priority SLA and 1 hour response time, Enterprise 12x5 business hour telephone support and basic Professional level support for customers requiring web-based ticketing only.

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

Vyatta Systems Packaging and Pricing

Vyatta software is sold as an annual subscription that requires an entitled subscription for each software instance required for production network use. Subscription pricing tiers are defined by the specified number of processor cores for the target system that Vyatta software will be installed on and the desired level of technical support response times.

Vyatta virtual appliances are not directly dependent on the number of processor cores of the host server platform for performance, Vyatta Subscription Edition for virtual environments is simply priced per instance and on support level requirements.

Vyatta appliances are a pre-packaged hardware and software solution that are sold based on support level requirements and require an annual subscription fee for software maintenance.