

VYATTA, INC.



Vyatta System

Guide to Vyatta Documentation



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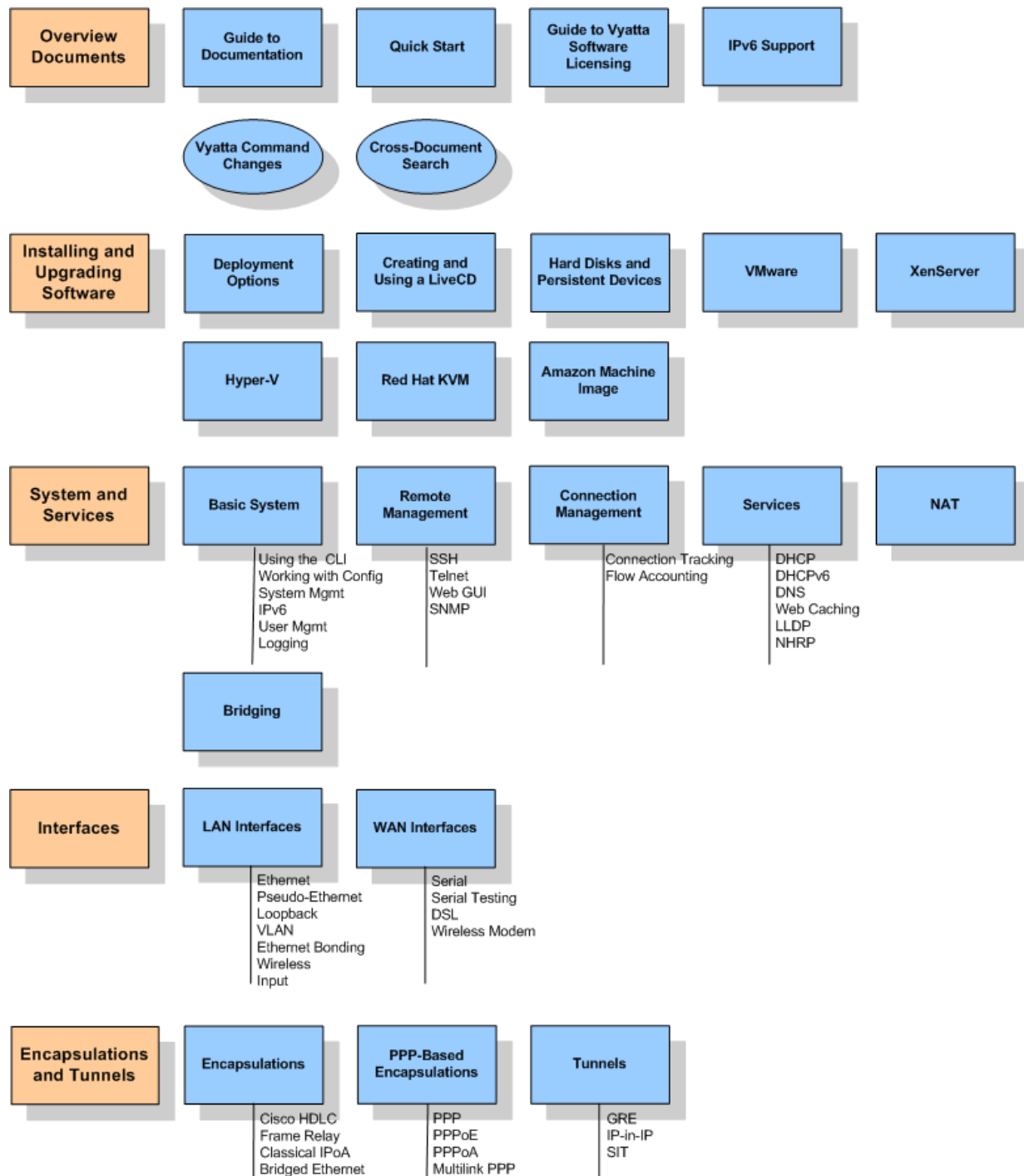
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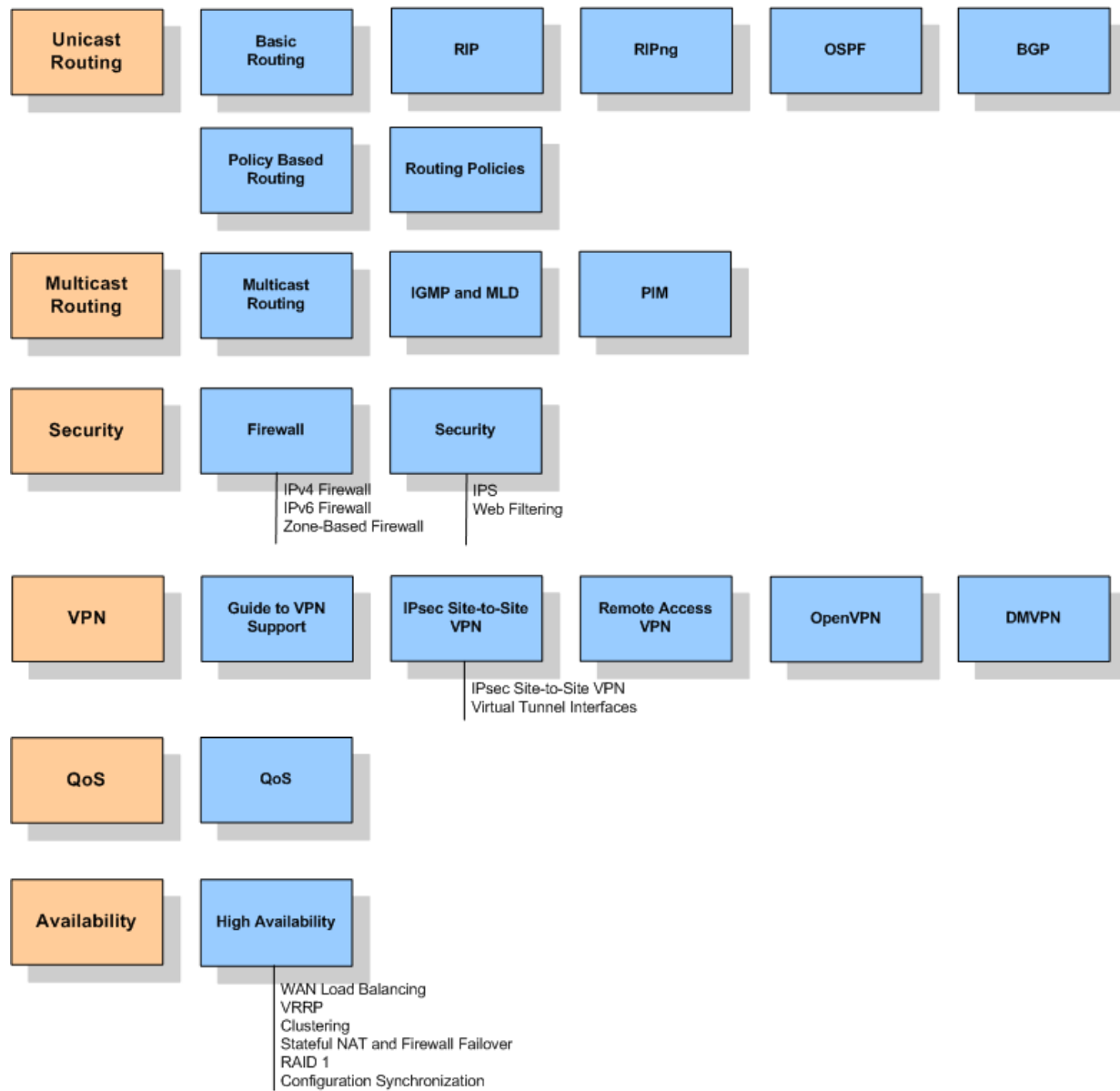
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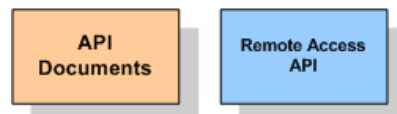
Documentation Map

Vyatta Software Documentation





Vyatta API Documentation



Documentation Library Overview

Software Documentation	
Overview Documents	
<i>Guide to Vyatta Documentation</i>	A graphical “map” of Vyatta product documentation, plus a brief description of each guide.
<i>Vyatta System Quick Start Guide</i>	Instructions for installing the Vyatta software, introduction to user interface options, and configuration scenarios to get you started.
<i>Guide to Vyatta Software Licensing</i>	A description of Vyatta’s software licensing model and Entitlement infrastructure.
<i>Vyatta IPv6 Support Reference Guide</i>	Vyatta’s support for features of the IPv6 protocol.
<i>Guide to Vyatta CLI Changes</i>	The Vyatta Command Changes document assists you in tracking changes made to the Vyatta CLI over time, listing any deprecated or obsoleted commands and mapping renamed commands onto their new names. To facilitate easy searching and sorting, this document is delivered as a spreadsheet.
<i>Cross-Document Search Utility</i>	The cross-document search index lets you search for a word or phrase across the entire all the documents in the software documentation set. To use the search index, extract the zip file in the same folder as the PDF software guides. Open the PDX file, enter the search phrase in the search bar, and click Search.
Software Installation and Upgrades	
<i>Installing the System: Deployment Options</i>	Options for deploying the Vyatta system.
<i>Installing the System: Creating and Using a LiveCD</i>	Detailed procedures for creating and using a Vyatta LiveCD.
<i>Installing and Upgrading: Hard Disks and Persistent Devices</i>	Detailed procedures for installing and upgrading Vyatta’s system image for persistent devices.
<i>Installing and Upgrading: VMware</i>	Detailed procedures for installing and upgrading Vyatta’s system image for VMware.
<i>Installing and Upgrading: XenServer</i>	Detailed procedures for installing and upgrading Vyatta’s system image for XenServer.
<i>Installing and Upgrading: Hyper-V</i>	Detailed procedures for installing and upgrading Vyatta’s system image for Hyper-V.
<i>Installing and Upgrading: RedHat KVM</i>	Detailed procedures for installing and upgrading Vyatta’s system image for KVM on the Red Hat Kernel-based Virtual Machine (KVM) hypervisor.

<i>Installing and Operating: Vyatta AMI</i>	Detailed procedures for installing, upgrading, and operating Vyatta's Amazon Machine Image (AMI) within the Amazon Web Services cloud.
System and Services	
<i>Vyatta Basic System Reference Guide</i>	Using the CLI, working with configuration, system management, user management, and logging.
<i>Vyatta Remote Management Reference Guide</i>	SSH, Telnet, Web GUI Access, and SNMP.
<i>Vyatta Connection Management Reference Guide</i>	Connection tracking and flow accounting.
<i>Vyatta Services Reference Guide</i>	Dynamic Host Configuration Protocol (DHCP), DHCPv6, Domain Name Service (DNS), web caching, Link Layer Discovery Protocol (LLDP), and Next Hop Resolution Protocol (NHRP).
<i>Vyatta Bridging Reference Guide</i>	Bridging.
<i>Vyatta NAT Reference Guide</i>	Network Address Translation (NAT).
Interfaces	
<i>Vyatta LAN Interfaces Reference Guide</i>	Ethernet interfaces, pseudo-Ethernet interfaces, the loopback interface, VLAN interfaces, bridge interfaces and bridge groups, Ethernet link bonding, wireless interfaces, and input interfaces.
<i>Vyatta WAN Interfaces Reference Guide</i>	Basic serial interface configuration, T1, T3, E1, E3, synchronous serial, serial loopback tests, bit error rate tests (BERTs), digital subscriber line (DSL) interfaces, and wireless modem interfaces.
Encapsulations and Tunnels	
<i>Vyatta Encapsulations Reference Guide</i>	Cisco HDLC, Frame Relay, Classical IPOA, and RFC 2684 bridged Ethernet.
<i>Vyatta PPP-Based Encapsulations Reference Guide</i>	Point-to-Point Protocol (PPP), PPP over Ethernet (PPPoE), PPP over ATM (PPPoA), and Multilink PPP.
<i>Vyatta Tunnels Reference Guide</i>	Generic Routing Encapsulation (GRE), multipoint GRE (mGRE), IP-in-IP, and Simple Internet Transition (SIT) tunnels.
Unicast Routing	
<i>Vyatta Basic Routing Reference Guide</i>	Commands for showing routing and forwarding information; static routes.
<i>Vyatta Policy Based Routing Reference Guide</i>	Policy Based Routing (PBR) commands and configuration examples.

<i>Vyatta RIP Reference Guide</i>	Routing Information Protocol (RIP) commands and configuration examples.
<i>Vyatta RIPng Reference Guide</i>	Routing Information Protocol next generation (RIPng) commands and configuration examples.
<i>Vyatta OSPF Reference Guide</i>	Open Shortest Path First (OSPF) commands and configuration examples.
<i>Vyatta BGP Reference Guide</i>	Border Gateway Protocol (BGP) commands and configuration examples.
<i>Vyatta Routing Policies Reference Guide</i>	Routing policies.
Multicast Routing	
<i>Vyatta Multicast Routing Reference Guide</i>	Enabling multicast on the router, operations for multicast routing.
<i>Vyatta IGMP and MLD Reference Guide</i>	Internet Group Management Protocol (IGMP) and Multicast Listener Discovery (MLD) protocol commands and configuration examples.
<i>Vyatta PIM Reference Guide</i>	Protocol Independent Multicast—Sparse Mode (PIM-SM) and Dense Mode (PIM-DM) commands and configuration examples.
Security	
<i>Vyatta Firewall Reference Guide</i>	IPv4 firewall, IPv6 firewall, and zone-based firewall.
<i>Vyatta Security Reference Guide</i>	Intrusion detection, intrusion prevention, and web filtering.
VPN	
<i>Vyatta Guide to VPN Support</i>	Overview and comparison of supported VPN solutions.
<i>Vyatta IPsec Site-to-Site VPN Reference Guide</i>	IPsec site-to-site VPN and virtual tunnel interfaces.
<i>Vyatta Remote Access VPN Reference Guide</i>	IPsec and PPTP remote access VPN.
<i>Vyatta OpenVPN Reference Guide</i>	OpenVPN.
<i>Vyatta DMVPN Reference Guide</i>	Dynamic multipoint VPN.

QoS*Vyatta QoS Reference Guide*

Traffic shaping, scheduling algorithms, and congestion avoidance.

Availability*Vyatta High Availability Reference Guide*

WAN load balancing, clustering, Virtual Router Redundancy Protocol (VRRP), stateful NAT and firewall failover, Redundant Array of Independent Disks (RAID) 1, and configuration synchronization.

API Documentation**API Documents**

Remote Access API

How to remotely control a Vyatta device through its application programming interface.