VYATTA, INC. | Release Notes

Vyatta Release 6.2-2011.02.09

February 2011

Document Part No. A0-0095-10-0027

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These release notes document changes made for Release 6.2-2011.02.09.

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Security

There are no security announcements in this release.

New in This Release

Release 6.2-2011.02.09 of the Vyatta system includes features for the Vyatta Core, the Vyatta Subscription Edition, and Vyatta Plus.

The following new features are available for the Vyatta Core:

- **Open VPN enhancements.** This release contains many enhancements to Vyatta's implementation of OpenVPN. These enhancements are described in the "OpenVPN" chapter of the *Vyatta VPN Reference Guide.*

    - **Client access to subnets behind an OpenVPN server.** The Vyatta OpenVPN server can now be configured in such a way that it "pushes" or sends routes to each client that connects to it. The route can be a single default route or a set of routes to subnets located behind the server. This feature can be configured on a global or per-client basis, using the new "push-route" option of the "openvpn <vtunx> server" or "openvpn <vtunx> server <server> client" command, respectively.

    - **Reset a running OpenVPN process.** The new "restart openvpn interface" command allows you to reset all tunnel connections on an interface.

    - **Configure DNS servers to be pushed to clients.** A new OpenVPN option, the "push dhcp-option DNS" option, allows you to configure a set of DNS servers to be "pushed" from an OpenVPN server to clients when they connect.

    - **Configuration changes without process restart.** In this release, client configuration on the OpenVPN server can be modified without requiring a process restart. This means that you can add or remove clients or change individual client settings without disrupting connected clients.

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- **Limit client connections.** The new "max-connections" option for the "interfaces openvpn <vtunx> server" command allows you to limits the number of client connections that can be opened to the OpenVPN server.

- **Multiple subnets per client.** The "openvpn <vtunx> server client" command now allows you to specify multiple subnets for a given client.

- **Configuration revision management features.** This release contains many features to view and manage committed configuration information. These new features are all described in the "Configuration Management" chapter of the *Vyatta Basic System Reference Guide.*

  - **Archive configuration commits**. In this release, you can configure the system to forward configuration commit operations to a remote location and save them there. The new "system config-management commit-archive location" command can be used to archive configuration commits to FTP, SCP, or TFTP locations.

  - **View commit revision information.** This release includes features to see what information has changed in previous commits, whether the information was committed using the CLI, the GUI, or the Remote Access API (Vyatta Subscription Edition only). The number of commits saved is configured using the new "system config-management commit-revisions" command. Using the new "show system commit" operational command, you can see the list of archived revisions and view the full configuration file for a specific revision.

  - **Compare configuration revisions.** Using the new "compare" command, you can view the difference between the active configuration and any revision, or view the difference between two revisions.

  - **Roll back to a specific configuration revision.** The new "rollback" command allows you to roll configuration back to a specific revision.

  - **Confirm commits.** In this release, you can set the system to require you to confirm configuration commits. Using the new "commit-confirm" configuration command, you can specify a period within which committed configuration changes must be confirmed. If they are not, the system reboots to a "last known good" configuration.

- **More granular inspection options for Vyatta Core IPS.** In previous releases, enabling content inspection resulted in the inspection of all forwarded and locally destined traffic. This release adds support for enabling content inspection on traffic travelling in a given direction through specific interfaces or zones. This feature is described in the "Intrusion Protection System" chapter of the *Vyatta Security Reference Guide.*

- **More alert logging options for Vyatta Core IPS.** In previous releases, alerts could only be reported in a local file in unified format, using the "show ips log" and "show ips summary" commands. This release adds support for forwarding alerts to a remote mySQL database or to syslog using the new "content-inspection ips logs" command. This command is described in the "Intrusion Protection System" chapter of the *Vyatta Security Reference Guide.*

- **Ability to define and configure serial consoles.** Earlier releases of the Vyatta system supported only the VGA console plus a single serial console on the "/dev/ttyS0" device. In this release, you can configure and disable additional console logins using the new "system console" command. This command also provides support for enabling and disabling VGA screen powersaving. The "system console" command is described in the "System Management" chapter of the *Vyatta Basic System Reference Guide.*

- **Enhanced ability to restrict system access.** In this release, you can restrict remote access to the system by specifying a "listen-address" within SSH, Telnet, or Web GUI access configurations. Only connection requests to the specified address (or addresses) will be accepted. The "listen-address" option is described in the "SSH", "Telnet", and "Web GUI Access" chapters of the *Vyatta Services Reference Guide.*

The following new feature is available for the Vyatta Subscription Edition:

- **Ability to clone a system image.** The new "clone system image" operational mode command allows you to "clone" a previously existing image. The clone operation creates an identical copy of an image on the local machine or on a remote host, including any state information present in the original image. The cloned image behaves in the same way as a system installed using the "install_image" or "add system image" commands. The "clone system image" command is described in the *Vyatta Installing and Upgrading Reference Guide*.

The following new features are available for the Vyatta Plus subscription service:

- **More granular inspection options for Vyatta Plus Snort VRT Server.** In previous releases, enabling content inspection resulted in the inspection of all forwarded and locally destined traffic. This release adds support for enabling content inspection on traffic travelling in a given direction through specific interfaces or zones. This feature is described in the "Intrusion Protection System" chapter of the *Vyatta Security Reference Guide.*

- **More alert logging options for Vyatta Plus Snort VRT Server.** In previous releases, alerts could only be reported in a local file in unified format, using the "show ips log" and "show ips summary" commands. This release adds support for forwarding alerts to a remote mySQL database or to syslog using the new "content-inspection ips logs" command. This command is described in the "Intrusion Protection System" chapter of the *Vyatta Security Reference Guide.*

- **HTTPS filtering in transparent mode.** The Vyatta web proxy service can operate in transparent or non-transparent mode, but previous releases did not support filtering HTTPS traffic while in transparent mode. In this release, you can configure a VyattaGuard-enabled system to allow or drop HTTPS URLs on a per-user basis. HTTPS filtering in transparent mode is described in the "Web Filtering" chapter of the *Vyatta Security Reference Guide*.

Behavior Changes

- In previous releases, VGA screen powersaving was enabled by default. Starting in this release, VGA powersaving is disabled by default.
- The "clear webproxy process" command has been changed to "restart webproxy" to better reflect the action it performs (restarting the webproxy service).
- The Snort rule database has been removed from the distribution. It must be downloaded after a new system install and after a system upgrade using "add system image".

Documentation Changes

- The *Vyatta Basic System Reference Guide* contains a new chapter, "Configuration Management," which describes the mechanisms available to manage configuration on the Vyatta system.
- The *Vyatta Services Reference Guide* contains a new chapter, "Web GUI Access," which describes how to configure the Vyatta system for web GUI Access from a web browser.

Upgrade Notes

For detailed information about upgrading Vyatta software to this release, please see the *Vyatta System Installing and Upgrading Reference Guide.*

Resolved Issues

The following issues have been resolved in Release 6.2-2011.02.09.

Bug ID	Severity	Description
BGP		
5037	3 - major	A bgp neighbor's configurations were not created/updated at the same time when multiple neighbors' configurations were committed together
6073	3 - major	redistributed IPv6 static route under bgp has no next-hop
6077	3 - major	bgp adjacency sometimes not able to get established when hops is changed from unreachable value to reachable one
6481	3 - major	parameters for a specific bgp neighbor are not sent to or deleted from the routing engine continuously when there are multiple neighbors
5859	4 - minor	"... ttl-security hops <>" shouldn't be able to be set for iBGP neighbors
5890	4 - minor	BGP TTL security not supported over IPv6
6070	4 - minor	committing 'local-as' and "confederation peers" config simultaneously got wrong local-as error message
6430	4 - minor	BGP: configuring neighbor with mask leads to quagga out-of-sync
6619	4 - minor	show ip bgp <ip address> is showing wrong date for Last Update
Bridging		
5864	4 - minor	Interface STP port parameter are not validated correctly
4721	5 - trivial	Confusing error message if interface bridge group config lacks parameters
5867	6 - enhancement	Add the ability to bridge rfc1483 ADSL interfaces via the CLI
CLI		
5706	3 - major	listOrigPlusComNodes() in CLI perl API not working correctly
6069	3 - major	loading config.boot contains different bgp ASN got two bgp instances which shouldn't occur
5176	4 - minor	Setting a node to its default value should not display "No configuration changes to commit"
5536	4 - minor	Inconsistent type validation error message for ipv4net
5640	4 - minor	Some op/cfg mode commands fail to check deactivate state flag
6026	4 - minor	conf mode can not show more than 1043 leaf-nodes in a multi
6062	4 - minor	Config infrastructure generates duplicate help text
6213	4 - minor	long leaf node causes seg fault
6459	4 - minor	"discard" command discards the "unsaved" state marker for the current config session

6494	4 - minor	Empty command completion in configure mode produces help not command list
4283	5 - trivial	CLI: "set" on a tag node should require a value
4703	5 - trivial	When setting a new vrrp group/address without primary address and deleting a vrrp group under another interface, the vrrp group to be deleted remained in config but gone from the system
4739	5 - trivial	Cannot set leaf with default value below multi-node in single command
4782	5 - trivial	CLI help gets confused in firewall groups tree
5642	5 - trivial	no templates for certain config nodes
5773	5 - trivial	behavior of "comment" command is inconsistent with other configure-mode commands
5960	5 - trivial	strange error message from df (2.6.34)
6238	5 - trivial	Incorrect tunnel interface ordering in "show interfaces tunnel" output
6353	5 - trivial	ENH: Rename "show configuration cmds"
2176	6 - enhancement	need a way to create a non-multinode parent node
2690	6 - enhancement	Enhancement Request: toggle switch to turn comments on / comments off
5111	6 - enhancement	Need perl APIs to read configuration in config or op mode
5389	6 - enhancement	CLI Node to set Console Speed
5873	6 - enhancement	allow "multi-line" val_help specification in config templates
6420	6 - enhancement	Enhancement: Notifying user of his uncommited configuration changes...
Cluster		
6290	5 - trivial	Cluster service address configuration missing interface designation
2767	6 - enhancement	Cluster "monitor" (ping) nodes need a separate keep-alive time
Config Synchronization		
6299	7 - unassigned	config-sync error : Connectivity error while trying to connect with remote-router
DHCP		
4736	2 - critical	DHCP security vulnerability
3558	3 - major	No new leases after DHCP clear
6085	3 - major	deleting dhcpv6 client hangs cli
903	4 - minor	"show dhcp" = "show dhcp leases" - both broken
2076	4 - minor	DHCP: Configuration may not be fully validated
2656	4 - minor	"show dhcp leases pool" does not autocomplete
2861	4 - minor	DHCP client hostnames containing space not displayed correctly
3071	4 - minor	stop ip can be less than start ip for dhcp-server configuration
4785	4 - minor	dhcprelay forwards DHCPOFFER packets from server to '255.255.255.255:0' when relay-options set
5978	5 - trivial	show dhcpv6 should check if the feature is enabled

6373	5 - trivial	help text for dhcp-relay options for port selection displays 2 ranges.
510	6 - enhancement	show dhcp leases pool
Documentation		
4702	4 - minor	Document OpenVPN connection to reflect option to choose Hostname
6108	4 - minor	'local-block-url' option missing from URL filtering documentation
6455	5 - trivial	BGP enforce-first-as
6633	5 - trivial	Remove lldp listen-vlan from documentation
6099	6 - enhancement	Ethernet interfaces config example required
6100	6 - enhancement	Move RIPng and BGP related commands from IPv6 guide to their respective docs
6143	6 - enhancement	documentation for vrrp sync group needs more detail
Entitlement		
5354	7 - unassigned	entitlement fails at bootup
5741	7 - unassigned	deactive entitlement doesn't work.
Firewall		
3515	3 - major	Stateful Firewall rejects all packets
5163	3 - major	'show firewall' displays misleading output when firewall groups are used
5247	3 - major	Firewall groups CLI becomes out of sync with ipset when sets and deletes are contained within a single commit
6111	3 - major	help strings for "interfaces <> <> firewall in|local|out" still start with verb
6214	3 - major	firewall group delete and add of members of the same group fails on commit
4374	4 - minor	some completions under firewall break the CLI look and feel consistency
5164	4 - minor	"show firewall detail" shows wrong default action
5454	4 - minor	internal errors when multiple firewall names with one in use were deleted, and then the in-use one is deleted from the interface
5948	4 - minor	Contradictory help messages for "firewall conntrack-table-size" and others
6052	4 - minor	"show firewall name <> detail" doesn't display "enable-default-log" info
6234	4 - minor	FW: Address groups and network groups should not share the same namespace.
5309	6 - enhancement	ENH: Allow configuration of TCP MSS and "clamp-mss-to-pmtu" option in netfilter
GUI		
4122	4 - minor	Error issuing SNMP community with backquote
4157	4 - minor	GUI/CLI: Spaces allowed in firewall name
5222	4 - minor	GUI: Icons are being fetched from extjs.com
6199	4 - minor	gui unable to display the information on zebra routing daemon
6200	4 - minor	gui unable to display the route-map information

6204	4 - minor	gui unable to display the log information
6219	4 - minor	gui has cross browser issue
4454	6 - enhancement	Add the ability to configure a GUI listen-address to restrict local GUI access

IDS		
4891	3 - major	"content-inspection traffic-filter custom" inhibits Snort inspection alerts
5128	3 - major	Content Inspection Configuration Errors after package upgrade
5763	3 - major	IPS update fails config-check with 6/30 snort rules
3816	6 - enhancement	ENH: Send snort alerts to a remote database server
5612	6 - enhancement	ENH: Operational command to manually update Snort/IPS rule database

Installer		
3077	3 - major	VC4 does not recognize virtual drives SCSI
2625	4 - minor	install-system doesn't take /media/floppy/config/config.boot when /opt/vyatta/etc/config/config.boot exists
5964	4 - minor	Can't install image with same version as running system
6132	4 - minor	install-system scripts don't handle shell quoting properly
5851	5 - trivial	Installation of grub-pc package fails without consequence on image installed systems

Interfaces		
5698	3 - major	smp_affinity is reset on interface down/up
6027	3 - major	hw-id parameters still missing after booting a config file without any hw-id parameters
6158	3 - major	The Interface numbering for the "added 2 ports NIC", is not in properly order.
6490	3 - major	vif up/up when physical interface is down/down
4608	4 - minor	Tunnel's underlying gre interface remains in interfaces after tunnel being removed from configuration
4745	4 - minor	more interface address checks needed (bonding/bridging)
4994	4 - minor	Committing speed and duplex changes are considered successful while not supported by the interface
5467	4 - minor	"speed 1000" can't be set however the CLI config is applied
5755	4 - minor	ifb0 not deleted in system after being removed from configuration
6048	4 - minor	Bridge of vif of 802.3ad bond interface fails to initialize after boot
6116	4 - minor	psuedo-ethernet is unable to get an address via dhcp client when it has 'mac' setting
6489	4 - minor	'mac <>' can't be deleted from bonding interface
4695	5 - trivial	Poor error message for VLAN challenged devices
3531	6 - enhancement	ENH: Allow setting the MTU on a VIF
3805	6 - enhancement	Add support for more bonding options

6734	6 - enhancement	Request to include support for Intel 82580 Gigabit Ethernet Controller Chipset
IPv6		
5771	3 - major	IPv6 link-local address unprotected.
5865	3 - major	DHCPv6 client only supported on Ethernet
5951	3 - major	cli can't delete IPv6 address tree created under openvpn tunnel
6074	3 - major	IPv6 interface addresses generate two FIB entries
6216	3 - major	ipv6 address eui64 help strings are misleading
6301	3 - major	ipv6 routes not injected to FIB when their nexthops are recursive via some link-local addresses
5499	4 - minor	Can't assign interface an IPv6 address with a 127-bit prefix length
Kernel		
4023	2 - critical	Kernel panic in slab on boot on a system running 2 T3 Multilink
6402	2 - critical	Kernel Panic from connection tracking dump on busy system
5654	3 - major	Kernel crash during boot under KVM
5761	3 - major	Vyatta VMs crash with the following error "BUG: recent printk recursion!" after being live migrated on Xen Server 5.6
6209	3 - major	B44 interface lost on VC6.1
6211	3 - major	request to include atmel-firmware in linux-firmware package
4198	4 - minor	real time clock (rtc) update messages under KVM
4199	4 - minor	netfilter conntrack accounting message
6177	4 - minor	panic in ppp_generic running 4-link multilink PPP bundle
Load Balancer		
6019	3 - major	wanloadbalance fails to start on 64-bit
6029	3 - major	wanloadbalance incorrectly parses its config file on 64-bit
4934	4 - minor	DNAT and WLB causes WLB to route packets
4963	4 - minor	non-dhcp dynamic address not updated for wlb/load-balancing
5126	4 - minor	Interface health checks fail with pppoe interfaces using "nexthop dhcp"
5990	4 - minor	wan load-balancing does not remove its associated routing tables when deleted
5998	4 - minor	Wan load-balancing should fail on commit when there is no interface node set for a rule
4966	6 - enhancement	ENH: Add reverse dns flag for show wan-load-balance status
Logging		
3719	4 - minor	"show log all" doesn't uncompress logrotated .gz files
NAT		
5026	2 - critical	NAT rules not taking effect on flows established before NAT configuration is applied on boot

Netflow		
5160	3 - major	Activating netflow on PPPoE interface causes an error
NTP		
3940	5 - trivial	ntp restarts multiple times on configuration change
5819	5 - trivial	Should default to more than one ntp server
738	6 - enhancement	Feature Request: NTP - No way to set a preferred NTP server for synchronization
OpenVPN		
3941	2 - critical	openvpn - server mode error "Too many open files"
5540	3 - major	OpenVPN uses wrong ports after reboot
3776	4 - minor	OpenVPN interface allows empty configuration
3936	4 - minor	openvpn - server status file is not deleted with interface
4003	4 - minor	OpenVPN certificates are not validated
5150	4 - minor	Unable to create OpenVPN over PPPoE connection
5519	4 - minor	Improve help string for Openvpn interface creation
5543	4 - minor	OpenVPN error about options not allowed with access-server mode while not using access-server mode
4178	5 - trivial	"vpn openvpn-key generate <filename>" has no output on success
3511	6 - enhancement	Allow multiple client-specific subnets to be specified on openvpn server
3527	6 - enhancement	Add the ability to add and remove Openvpn client information on the server without restarting the Openvpn process
3541	6 - enhancement	Add the ability to push Openvpn server routes to clients
3587	6 - enhancement	openvpn - add option on server to limit number of client connections
3590	6 - enhancement	openvpn - add ability to reset interface
3823	6 - enhancement	openvpn - add option for net30 topology under server mode
4035	6 - enhancement	ENH: Add 'description' parameter for OpenVPN interfaces
5700	6 - enhancement	Add the option to push DNS server information to OpenVPN clients
OSPF		
5446	4 - minor	OSPF redistributed connected routes are not chosen when OSPF active on two interfaces from the same subnet
OSPFv3		
6386	3 - major	Fix ospf6_prefix_apply_mask correctly
5833	6 - enhancement	OSPFv3 redistribute route-maps
Policy		
5928	3 - major	Changing the sequence of a prefix-list term using delete and set within the same commit creates an out of sync issue w/ routing engine config
2980	4 - minor	duplicated help strings when there are existed access lists
3067	4 - minor	BGP route map match condition 'origin igp' does not work as expected
3146	4 - minor	Happy face help ;)

4080	4 - minor	Unable to create ipv6 policy
5421	4 - minor	"route-map <> rule <> set community <>" help strings not aligned
6298	4 - minor	"show route-map <WORD>" ignores argument
6634	5 - trivial	Typo in prefix-list6 completion
QoS		
4922	4 - minor	"show queuing serial <>" doesn't reflect serial interface qos-policy config
5005	4 - minor	Unable to apply QoS policy to PPPoE interface
5895	4 - minor	count values for 'show incoming' always zero for traffic-limiter default
6092	4 - minor	Shaper policy needs to calculate r2q parameter
6294	4 - minor	incoming Qos on Vif can not work
Security		
6511	7 - unassigned	Compare perl errors after failed commit
Serial		
6505	3 - major	Serial configuration missing range checks on many parameters
1503	4 - minor	clear frame-relay provides inconsistent feedback when frame is not configured.
SNMP		
235	3 - major	error configuring SNMP with other configuration commands (TC 2.2.2.3.1)
6060	3 - major	capture results indicate trap packets source address isn't changed after trap-source is set and/or modified
3521	4 - minor	IP-FORWARD-MIB returns no routes
5621	4 - minor	'show snmp' reports "No SNMP community's configured" when one is actually configured
6059	4 - minor	snmp trap-target supports IPv4 _AND_ IPv6, however trap-source supports IPv4 _OR_ IPv6
6311	4 - minor	SNMP polls the deleted interfaces
6347	4 - minor	ifAlias does not return the interface description
5996	5 - trivial	Typo: "No SNMP community's configured" should read "No SNMP communities configured"
6058	5 - trivial	invalid udp port number can be set for snmp listen-address and trap-target
3654	6 - enhancement	ENH: Use interface description as ifAlias in SNMP IF-MIB
4262	6 - enhancement	consider upgrade to 5.5 SNMP
5623	6 - enhancement	Provide a show command that displays SNMP interfaces indexes and their corresponding system interfaces
Static Routes		
4228	3 - major	Static route set inactive when next hop is learned from another/dynamic routing protocol
4815	3 - major	changing distance on ipv6 next-hop/interface static route creates 2 routes

5053	3 - major	deleting static route with blackhole doesn't remove route from routing table
5927	3 - major	static route not removed from FIB when its nexthop subnet local address is removed and there is an IP address left under that interface
System		
3933	2 - critical	full-upgrade -r removes packages when repo unavailable
4620	2 - critical	Kernel Panic with stack trace from conntrack modules
6775	2 - critical	Router intermittently crashes when running "conntrack -L"
2410	3 - major	Add ability to specify the IP addresses / ports that SSH service will listen on
2732	3 - major	Serial console does not show all boot messages like KVM
4357	3 - major	root has invalid copy of crontab in /var/spool/cron/crontabs/root
6001	3 - major	On full-upgrade from 6.0 to mendocino - ethernet interface goes down
6362	3 - major	"show configuration cmds" actually returns set commands for saved config.boot instead of running config
1354	4 - minor	Changes from CLI being transmitted to GUI
2601	4 - minor	Incorrect command completion for "set service telnet allow-root"
2977	4 - minor	tshark takes about 10 seconds to start capture
3206	4 - minor	Service protocols can be committed without action
3381	4 - minor	Unable to restore terminal length
3540	4 - minor	ssmtp complaining that it's unable to locate mail
3556	4 - minor	Multiple kernel options are presented in boot options on upgraded system
3649	4 - minor	System error during crontab execution
3939	4 - minor	Console blanking / screen blanker is enabled by default
4126	4 - minor	Init respawning getty on non-existent serial port
4962	4 - minor	busybox netcat implementation segfaults on -v
5255	4 - minor	se only features can be seen partially in non-se CLI
5396	4 - minor	Wrong syntax error when setting "system syslog file <> facility <>"
5697	4 - minor	larkspur rl-system.init takes a long time to run
6008	4 - minor	Hyper-V drivers not autodetected
6066	4 - minor	installing vyatta-cfg-system package disables configured root password (if any)
6076	4 - minor	telnet port range is wrong
6131	4 - minor	"set system login user" accepts usernames longer than permitted by system
6363	4 - minor	the config not save warning doesn't show up after a different config is loaded and configuration mode is exited
6469	4 - minor	Replace Vyatta specific CPU frequency hack with general solution
3472	5 - trivial	tab on 'show ntp' shows invalid hosts

4942	5 - trivial	Default banners not restored if banner parameters deleted from config file by hand
6181	5 - trivial	typo in help content-inspection
6462	5 - trivial	syslog reports reboot performed by user LOGIN
505	6 - enhancement	show system virtual-memory
1615	6 - enhancement	show system processes <option>
2289	6 - enhancement	Need to be able to set the serial console port speed
3698	6 - enhancement	After doing a commit of "set system package repository", apt-get update should be run by the CLI
3849	6 - enhancement	ENH: Out-of-band management with analog modem console
4452	6 - enhancement	Add the ability to configure a telnet listen-address to restrict local telnet access
4665	6 - enhancement	No copy of old config file is kept when configuration is saved
4970	6 - enhancement	ENH: Add a configuration parameter to disable DNS resolution in the SSH server daemon
5185	6 - enhancement	Can not set IPv6 addresses for the forwarding name servers
5704	6 - enhancement	ENH: include a "show system memory detail" command
6192	6 - enhancement	ENH: Add output from iptables-save to show tech-support save
6474	6 - enhancement	ENH: Start SSH earlier in the boot sequence
Virtual Machine		
6398	3 - major	Riverbed RSP Image Disk Size
6667	3 - major	VC6.1-2010.10.16 ESX4 was released with incorrect ethernet drivers
5179	4 - minor	"set interfaces ethernet <> smp_affinity 1" fails on VMware guest
5552	4 - minor	Errors when committing interface changes in Xen "Cannot get current device settings: Operation not supported"
VPN		
3623	3 - major	The active tunnel numbers returned by "show vpn ipsec status" may be different as the up tunnel numbers returned by "show vpn ipsec sa (details)"
3577	4 - minor	The kernel route injected by IPSec often disappears from FIB during the forwarding performance test through NICs using tg3 driver
3762	4 - minor	Update help and error strings for vpn pre-shared secret value
4323	6 - enhancement	VIA Padlock Support
VRRP		
5673	3 - major	VRRP VRID of zero and priority of zero should not be allowed
6471	3 - major	VRRP causes excessive boot time
6453	4 - minor	After configuring VRRP on interface, VRRP is not active until VRRP is manually restarted with "restart vrrp" command
6501	4 - minor	"clear vrrp master interface <interface> group <group-id>" command does not force a permanent transition to the backup state even when preempt set to false

Web Filtering		
6168	2 - critical	Remove Snort rules from distro
5784	4 - minor	show webproxy update-log doesn't work for VyattaGuard

Web Proxy		
4266	4 - minor	IIS Web Servers using chunked decoding are not accessible via the webproxy service
6013	4 - minor	Internal error when first time committing set a new listen-address and delete an old one at the same time for webproxy
6233	4 - minor	transparent webproxy does not function when listen address is not primary on the interface
6231	5 - trivial	"clear webproxy process" should be "restart webproxy"
4555	6 - enhancement	Webproxy: Add a configuration option for Squid's minimum_object_size and maximum_object_size
6137	6 - enhancement	add ability to limit downloads based on file type using Squid configuration directive reply_body_max_size
6442	6 - enhancement	Request to remove "Error: ipt_disable_conntrack failed to find [PREROUTING][WEBPROXY_CONNTRACK]" error message in cases where transparent webproxy is disabled

Wireless		
5141	4 - minor	wireless devices do not have persistent names

Known Issues

Bug ID	Description
BGP	
6030	Currently, BGP redistribution is not supported for both IPv4 and IPv6 at the same time. Recommended action: None
6042	The BGP " confederation peers *asn*" option cannot be used after the peer's ASN configuration has already been committed. Recommended action: None
6433	BGP peer configuration becomes out-of-sync with the routing engine when peers are added to or deleted from a peer group. In general, BGP neighbors must be deleted before peers are added to or deleted from a peer group. Recommended action: None
CLI	
2654	Non-privileged commands are shown to users in help. A number of commands that cannot be executed by non-privileged users ("operator" users) are displayed as valid commands and are completed with tab completion. Recommended action: Please note that the "configure" and "install-system" commands are not available to users with "operator" role. Recommended action: None
2777	Stray quote confuses CLI. Accidentally typing a single quote puts the CLI into a mode where it expects additional input, as in the following example: root@charon# set interfaces ethernet eth'

	[edit] root@charon# commit > > > This occurs in both operational and configuration mode. Recommended action: Avoid typing stray single quotes when entering commands. Note: This is currently designed behavior. For more information about using the Vyatta CLI, please see the "Using the CLI" chapter of the *Vyatta Basic System Reference Guide.*
Clustering	
3105	If two clustered routers reboot when the master router's monitored interface is down, the master still becomes active. This issue occurs only when both routers are booting and the master's monitored interface is disabled in configuration. After the routers come up, master negotiates to active even though its interface is disabled. If the interface is enabled, traffic flows normally. If the interface is disabled again, the routers fail over as expected. This issue does not occur if fewer than 15 services are entered in the cluster. This issue does not occur if the two routers are rebooted with a gap of 30 seconds or greater. Recommended action: Reboot the primary router, or delete the cluster configuration on the primary router and reload the configuration.
DHCP	
2657	Lease expiration is not displayed in local time; it is displayed in GMT timezone only irrespective of the system's configured timezone. Recommended action: None
Firewall	
5065	A commit error is generated if a firewall "name" configuration is deleted at the same time as deleting the assignment of the firewall "name" to an interface. Recommended action: Delete the assignment and commit the change, then delete the "name" configuration and commit the change.
Installer	
6135	An error occurs when the install-system command is executed at the point where the default root partition size is chosen and the install fails. Recommended action: If this problem occurs, manually select a partition size slightly smaller than the size reported by the drive. Install should subsequently be successful.
Interfaces	
4983	Wanpipe ADSL Link status reads "Disconnected , 0x1" while link is connected on some circuits. Recommended action: None
6714	A vif interface cannot be deleted if it belongs to a bridge Recommended action: To avoid this problem, delete the vif's bridge configuration before deleting the vif itself.
Kernel	
5295	Connection tracking helper modules cannot re-assemble application layer PDUs residing in two or more TCP segments. This is typically only a problem when an application layer PDU is larger than 1500 bytes. The result of this issue is that the application can fail. Recommended action: None
NAT	
5678	"show nat translations monitor" cannot currently be used to continuously monitor both source and destination NAT translations together. Recommended action: Monitor source and destination NAT translation separately using "show nat translations source monitor" and "show nat translations destination monitor".

OSPF	
3004	Deleting an OSPF area may fail if the network entry is not a connected network and virtual links are in use. The configuration commit fails with an "Area does not exist" error message. Recommended action: Remove virtual links included in an OSPF area configuration prior to deleting the OSPF area.
3348	OSPF process dies if the router ID value is modified while OSPF routers are converging. This issue may also occur after convergence if the OSPF router ID is changed twice within a short interval. Recommended action: If the OSPF router ID must be changed, it must be changed after OSPF routers have finished converging, when OSPF adjacencies are stable and OSPF routes in the RIB are synced with OSPF LSAs.
6762	A "delete protocols ospf" command fails if the "passive-interface-exclude" option has been configured. Recommended action: Delete the "passive-interface-exclude" configuration setting before deleting OSPF configuration.
PPP	
6609	When a high-load test is performed with a four-link multilink PPP bundle on Sangoma A104 cards, a receive-side panic occasionally occurs, with the panic signature beginning as follows: 487.026549] BUG: unable to handle kernel NULL pointer dereference at (null) Recommended action: None
Policy	
6166	Configuration commit fails when a route-map is deleted using the "comm-list" option. Recommended action: To avoid this problem, do not attempt to delete using the "comm-list" option if it is already set. Alternatively, use the "set community" command with values that exclude the community to be deleted.
Serial	
5724	Serial interfaces cannot be recreated once they are deleted. Recommended action: If this problem occurs, reboot the system and it will be possible to recreate the interface.
SNMP	
6786	SNMP interface speeds are no longer reported. SNMP reports an IF-MIB::ifSpeed of 0 for all Ethernet interfaces, due to a kernel issue. The kernel issue is expected to be resolved when an upcoming Debian kernel becomes available. Recommended action: None.
6789	No response to SNMP request if the reverse path forwarding check fails. In certain network topologies, the system does not respond to SNMP requests. This problem occurs when the packet containing the SNMP request arrives on one interface, but the system's active route to the request's source IP goes through a different interface. In these situations, the reverse path forwarding filter fails and the request is dropped. Recommended action: Depending on your network topology, you can use either of the following methods to avoid this issue: • Send SNMP requests to an IP address on the interface facing the next hop on the route back to your SNMP client. • Add a route from the router to the SNMP client's address or network so that the route to the client uses the same interface which the request arrives through.
Static Routes	
5905	If the distance for a static IPv6 route is updated or deleted, the change is not recorded in the routing engine. Recommended action: Delete the route, then set it again with the new distance.
5906	If a "delete static route" or "delete static route6" configuration change is committed with either the

	"next-hop" or "blackhole" options specified, the static route configuration is left with no parameters and the route is deleted from the routing engine following the next commit.
	Recommended action: To avoid this problem, delete a static route in its entirety, instead of deleting specific parameters within the route.
System	
5792	When executed the 'show system image', 'show system image version', and 'show system image storage' commands on a livecd, the output is "Can not open Grub config file" and just the header with no information about storage respectively. The message is cryptic should indicate that it is not valid to run these commands on a livecd.
	Recommended action: None
Web Proxy	
4952	If the webproxy feature is configured together with clustering, both configurations may be lost.
	Recommended action: None