

VYATTA, INC. | **Release Notes**

Vyatta Community Edition 2 (VC2)

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New in This Release

- **Improved serial interface support.** Serial interface support now includes Sangoma's 1-port, 2-port and 4-port T1/E1 cards, plus Sangoma's 1-port T3 card. For European customers, G.704 is supported. G.703 (unframed E1) is also supported, on the Sangoma A104 card only.
- **Debian compatibility.** VC2 is compatible with Debian GNU/Linux. All package dependencies in VC2 are based on Debian Etch. Debian compatibility means future software updates will be much simpler. In addition, the breadth of compatibility of Debian's distribution will make it simpler and faster to integrate additional functionality into the system.

Note: Information about how best to add packages to the system will be available in the future. Until that time, please do not configure a package repository. Doing so may damage your system installation or cause data loss, requiring you to re-install or reconfigure the system.

- **Improved performance.** This release includes improved routing protocol performance when adding and deleting routes. This can dramatically reduce network convergence time in large networks. For example, the time to add BGP routes has been reduced by approximately 80% and the time to remove BGP routes has been reduced by approximately 70%.

While performance is improved in all situations, this enhancement will be more significant when the system is handling a large number of routes. For example, this enhancement will significantly improve network convergence times for service provider networks where the system is handling the entire Internet routing table.

- **Improved hardware detection and compatibility.** This release includes enhancements to detect and to be compatible with a large number of hardware configurations when booting. Users who previously experienced problems booting on particular hardware platforms should see much better compatibility.
- **Experimental support for multicast routing and IPv6.** This release includes experimental support for multicast routing, including PIM-SM and IGMP, as well as IPv6 support, including RIPng and MLD. Although these features are not fully tested or supported, we encourage you to try them out and tell us what you find. Your comments are always welcome!
- **Bug fixes.** A number of issues have been resolved with Release VC2. These are listed in the section "Resolved Issues," below. For a list of open issues, please visit <https://bugzilla.vyatta.com>.

Behavior Changes

The location of the configuration file has been change. In VC2, the location of the system configuration file was changed to address compatibility issues. Beginning with VC2, the configuration file is written to `"/opt/vyatta/etc/config"`.

Upgrade Notes

VC2 configuration files are not compatible with configuration files from Release 1.0.3 and earlier. If you are upgrading from an earlier release, you must begin with a new configuration.

Resolved Issues

Bug ID	Component	Severity	Description
127	CLI	minor	XORP 173: Change Request: command history
154	CLI	critical	interface configurations shift (TC 1.1.1.1.3)
275	DHCP	major	Change Request: DHCP static mapping (TC 3.3.1.1.10)
277	DHCP	major	Change Request: DHCP server statistics (TC 3.3.3.1.2)
338	CLI	major	update error message returned on tftp configuration load failure
429	DHCP	major	Lease order of DNS servers not configurable 3.3.1.2.3
440	SNMP	major	Unable to clear snmp statistics as non-root user
479	System	major	Busybox doesn't provide a rich enough environment for dpkg

490	POLICY	blocker	XORP 377: rename OSPF external type policy keyword
500	CLI	major	show system processes <option>
682	CLI	major	"clear nat" appears to be a valid command but is not
785	VRRP	major	"clear vrrp" command options
789	OSPF	critical	XORP 496: OSPF - AS-external-LSA forwarding address always set to external route's next-hop
806	NAT	enhancement	NAT - rule table mapping for NAT rules (sequencing)
839	System	major	umount reference in install script
840	System	major	Hardware detection not working on Dell SATA disk and Intel e1000 NIC
857	CLI	major	Firewall help wrong
873	Logging	major	Add the ability to collect XORP process core dumps
904	System	major	Add drive size display to install-system:select_drive()
911	GUI	major	GUI - "show ntp associations" output alignment
969	NTP	major	Forcing NTP sync returns error (TC 2.1.2.1.7)
976	GUI	major	GUI palette bugs
978	GUI	major	Browser back/forward buttons don't work
980	GUI	major	Traceroute with blank text box should not perform an operation
990	GUI	major	GUI firewall rule port range start/stop
1018	System	minor	install-system complains about deleting partitions that don't exist
1020	VRRP	major	VRRP - "show vrrp" returns incorrect interface state
1036	CLI	critical	XORP 614: %allow and %allow-range do not limit variable values in template
1069	RIP	major	XORP 617: Applying / deleting RIP import policy results in route flap
1085	Interfaces	critical	Sangoma 483: Serial - transmitted packet counters not correct
1089	FW	critical	FW - add 'show firewall <name> rule <rule>' command
1090	GUI	major	GUI - configuration changes lost when session timeout occurs
1102	GUI	major	Binary selection in configuration is inconsistent
1114	System	major	COM2 should be set up to run getty

1116	CLI	major	File name for "save" should be optional
1121	GUI	critical	GUI - Policy Statements missing accept/reject
1122	GUI	major	GUI - Policy Statement - origin attribute
1134	SERIAL	critical	Kernel panic when configuring serial interface
1136	FW	major	FW - add argument to firewall command processor for 'rule'
1143	NTP	major	Unable to set time using CLI and NTP
1153	System	major	Nonexistent Interface in configuration will cause rtrmgr to crash
1159	Interfaces	blocker	Add line protocol status to serial XML
1166	CLI	minor	Insert newline after commit error messages
1176	GUI	critical	User login/password sent in cleartext via http
1177	System	major	Installer: prompts should accept lowercase and shorter response
1178	System	major	Installer: installation fails when unexpected input is encountered
1179	System	major	Installer: auto partitioning option should default to the whole drive
1180	System	major	Installer: specifying a larger root partition than the install drive aborts the installer
1181	System	major	Installer: doesn't correctly handle small partition sizes
1188	POLICY	critical	Policy - 'protocol' node must be entered first or policy fails on export
1189	CLI	major	show log command allows one to view any file on the system
1198	Interfaces	major	Sangoma 480: Cisco HDLC keepalive configuration not properly reported by wanpipemon
1199	Interfaces	major	Sangoma 481: Cisco HDLC configured transmit value is ignored
1200	Interfaces	minor	Sangoma 482: Cisco HDLC timers shown as "ms" should be "s"
1206	GUI	minor	GUI: Change "Running?" column name to "Status" in "Started Operations" page
1209	CLI	minor	CLI: address config subnodes need better help strings

1211	CLI	major	Save should warn user when there are uncommitted changes
1212	Packaging	critical	Packaging: "package update" command does not work for non-root users
1216	GUI	major	GUI: scrollbar jumps to top when new text is inserted into a running operation
1217	GUI	major	GUI: Enhancement: Make the ID column of the Started Operations screen be a timestamp instead
1220	CLI	major	After running "delete system login" command, user root exists but is not in config
1222	GUI	major	GUI - reboot does not require confirmation
1226	GUI	major	GUI - clear arp dev ethX returns an error
1232	FW	major	FW - "show firewall" command is missing from GUI
1235	Interfaces	minor	Serial - configuration allows > 1 IP addresses to be configured on interface
1239	Packaging	major	Packaging - improve error message when name-server or default route not configured
1241	BGP	enhancement	"show route" returns counts for entire routing table, not filtered view
1242	Packaging	major	Packaging -- --add handling for username/password for SSL
1246	FW	major	FW - firewall incorrectly shown as option for "interfaces" node
1248	GUI	critical	xgdaemon does not support operators, crashes instead
1250	GUI	major	GUI - configuring nodes using the CLI while logged into the GUI invokes issues
1251	GUI	critical	GUI - unable to save or load config via TFTP
1253	Interfaces	blocker	auto discovery of Sangoma serial interfaces not creating config entries
1254	CLI	major	"show ntp associations no-resolve" returns error
1255	Interfaces	major	Serial - Sangoma configuration file syntax has changed
1256	CLI	major	rtrmgr configuration options
1257	System	critical	rtrmgr kills components under performance tests
1260	GUI	major	GUI - sequencing sort order issues
1261	GUI	major	GUI - Cannot delete policy node values

1268	GUI	minor	GUI - Duplicate help syntax for ssh port
1270	OSPF	critical	OSPF - saved OSPF configurations with serial interfaces cause rtrmgr to fail
1272	VRRP	major	Build 2463 : "show vrrp" shows stale information after deleting existing VRRP group and adding a new group
1273	Build System	blocker	The throttle build needs a merge from mainline to fix the build
1278	System	major	System hangs on xgdaemon durring boot
1279	Build System	critical	system is missing /usr/sbin/ip
1281	GUI	major	Setting value impossible if node previously deleted
1291	Packaging	major	Rename Vyatta modified XORP package
1307	System	major	LiveCD does not run well with < 192 MB RAM
1321	GUI	minor	Suggested change in Vyatta support Wiki link
1322	GUI	blocker	Correct grammar on relogin message
1336	System	major	libc6 being compiled for i686
1350	System	major	passwords are not preserved after reboot
1355	GUI	minor	GUI - the "constrict menus" button is no longer working
1356	GUI	major	GUI - saving a configuration with uncommitted changes saves the uncommitted changes
1358	GUI	blocker	GUI - setting interface ip address returns error, looking for IPV6
1366	GUI	minor	GUI - Change description for firewall rule "protocol" drop down
1371	System	minor	Lack of /etc/fstab
1379	Build System	minor	build system cannot regenerate lexx/yacc files for xorp
1380	System	critical	passwords are logged to syslog
1383	BGP	critical	XORP 649: BGP fails when IGP nexthop distance changes
1389	System	major	GUI – Unable to delete firewall from interface
1392	GUI	major	GUI – Firewall- Unable to commit after correcting configuration error
1393	CLI	minor	"show package stats" returns "No packages found matching stats"

1397	System	major	Hardware clock does not compensate for time zone
1398	Interfaces	major	"clear interface serial wan0 ppp" shows ERROR: Invalid Flush Command 'f'
1400	Interfaces	major	"delete interface serial wan0" sometimes crashes the driver and hangs the system
1405	SNMP	major	SNMP agent asserts with BGP configuration
1407	Interfaces	major	Sangoma 923: Frame-Relay PVC Traffic Shaping only allows values of up to 512
1413			SNMP walk of system fails with BGP configured
1414	CLI	major	Please add a "Show Tech-Support" Command to the OFR CLI
1417	CLI	unassigned	core dump on xorpsh exit
1421	CLI	minor	Show interface output uses 'ifconfig' in mainline version 1.1
1423	Interfaces	critical	Change Serial Interface Types
1424	GUI	unassigned	GUI - cgi error when login into gui
1425	Interfaces	blocker	Sangoma 970: When connected to a Cisco router, PPP Point-to-Point IP address prevents IPCP negotiation
1426	CLI	unassigned	When a T1 card is configured, show route displays incorrect route entries
1427	Interfaces	critical	sangoma 961: E3 doesn't work
1428	OSPF	critical	XORP: An LSA with invalid length will crash OSPFv2
1429	Interfaces	unassigned	serial: E1 with g704-no-crc4 doesn't work
1430	Interfaces	unassigned	serial: e1-options allows invalid esf framing
1431	VRRP	unassigned	VRRP Issues
1432	System	enhancement	Need mechanism to display system FIB
1435	CLI	unassigned	Help string missing for "show firewall <name>"
1438	CLI	minor	show hardware dmi is not implemented, but shows in template
1439	CLI	blocker	Package template: repository still shows 1.0
1441	Interfaces	critical	sangoma 981: T1 AMI not working back-to-back
1447	Packaging	blocker	Package configuration not saved
1449	BGP	unassigned	BGP Crashes when Receiving full BGP feed
1453	Documentation	blocker	Policy only matches on specific prefix but not on

			networks included within that prefix
1455	Documentation	blocker	BGP community list in Routing Policies
1459	System	blocker	Config file removed when disc space full
1460	System	enhancement	Create time-stamped config.boot files in addition to over-writing config.boot when save config.boot is performed
1462	System	major	Install script should notify the user that entire capacity of drive can be allocated to root partition
1465	GUI	minor	GUI: Committing changes closes up the navigation menu
1466	CLI	minor	CLI: an "interfaces firewall" config node has mysteriously appeared
1472	BGP	minor	'show bgp peers' command displays n/a for state START
1477	Interfaces	blocker	show interface serial = "WARNING print_serial_data RL_SERIAL"
1479	Interfaces	blocker	Sangoma 1029: command segfaults
1483	BGP	blocker	show bgp routes crashes
1485	GUI	unassigned	Commit fails if trying to add service http
1486	System	blocker	System interfaces may be renumbered
1487	System	blocker	Configuration file location changed
1488	POLICY	critical	XORP 679: Policy - BGP import using "network <=" matches incorrect networks
1490	System	unassigned	"set system syslog host 192.168.2.101 facility local7 level debug" commit fails
1492	CLI	enhancement	FTP client
1494	Interfaces	major	Serial E1 unframed doesn't work
1498	NAT	critical	NAT - add ip_contrack_ftp and ip_nat_ftp modules
1499	NAT	major	GUI: Show NAT Rules does not show port information
1508	System	unassigned	Non-root users are unable to save configuration
1509	System	minor	Authentication configuration from previous version not supported
1510	VRRP	unassigned	Error clearing VRRP when VRRP is not configured
1526	Interfaces	major	User can not distinguish between t1 / t3 serial card type

1528	GUI	minor	GUI - cannot set BGP peer holdtime
1529	FIREWALL	critical	Firewall config stuck in loop when setting 2 or more destination port parameters before committing
1531	System	unassigned	syslog user conf entry is incorrect
1538	GUI	major	GUI: can not modify syslog "level" options
1541	GUI	major	Internet Explorer encounters Java errors when executing commands
1542	GUI	major	show system processes - output shows a strike through
1544	Interfaces	minor	MTU Ranges are incorrect for serial interfaces
1546	Interfaces	major	Changing serial interface PPP vif prefix-length does not reflect in "show route"
1547	GUI	minor	GUI - Serial - 'show interfaces serial <int> frame-relay pvc <dlci>' command not working
1548	System	unassigned	Installation failure if no disk label exists
1549	Interfaces	major	Serial interfaces: configure->delete->configure failure
1552	Interfaces	major	Serial can't change from PPP to HDLC
1557	CLI	unassigned	Typo in help for "trim" command
1559	Interfaces	major	Deletion of vif interface causes crash
1560	Interfaces	major	cannot configure multi-port serial cards
1561	Interfaces	minor	serial: cisco-hdlc does not work with 11/8 build
1565	NAT	unassigned	iptables nat rules are not being flushed
1569	CLI	unassigned	Interface duplex help string
1572	System	major	"Show version" doesn't display version information
1574	Interfaces	unassigned	serial: can't enable cisco-hdlc keepalives
1590	System	blocker	Install-system errors when skipping parted
1601	System	unassigned	Certain machines will not boot on LiveCD
1609	Documentation	unassigned	Frame-Relay interface configuration example incorrect
1613	System	enhancement	Enhancement request: Update to latest version of Intel E1driver
1617	System	minor	Install script should error when drive size is smaller than allowable capacity
1618	System	enhancement	Install script root image minimum size should be decreased

1620	System	major	Create a method to preserve interface numbering information in config partition
1623	System	enhancement	XORP should be compiled with optimization turned on
1624	DIAG	critical	Add hardware troubleshooting info to “show tech support”
1627	System	critical	LiveCD reboot asks for user input before continuing
1658	Documentation	critical	Documentation recommends configuring 127.0.0.1/30 on interface loopback lo
1689	Build System	major	traceroute6 missing from current image
1692	CLI	blocker	Change login banner
1723	Documentation	unassigned	Quickstart Guide: Missing root slash in file paths