

Brocade Vyatta Network OS Release Notes, 5.2R5

Supporting Brocade 5600 vRouter, VNF Platform, and Distributed Services Platform

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Document History

Version	Summary of Changes	Publication Date
1.0	New document	14 June 2017

Overview

These release notes are for Brocade Vyatta Network OS Release 5.2R5.

Supported products

Brocade Vyatta Network OS supports the following products:

- Brocade vRouter
- Brocade VNF Platform
- Brocade Distributed Services Platform

Behavior Changes

Behavior changes in this release

Refer to [Features](#) on page 4 and [CLI commands](#) on page 5 of these notes for behavior changes in this release.

Features

New features

No new features in this release.

Modified features

No modified features in this release.

Deprecated features

No deprecated features in this release.

CLI Commands and API Calls

CLI commands

New commands

No new commands in this release.

Modified commands

No modified commands in this release.

Deprecated commands

No deprecated commands in this release.

Modified API calls

New API calls

No new API calls in this release.

Modified API calls

No modified API calls in this release.

Deprecated API calls

No deprecated API calls in this release.

MIBs

New MIBs

No new MIBs in this release.

Modified MIBs

No modified MIBs in this release.

Deprecated MIBs

No deprecated MIBs in this release.

RFCs and Standards

No RFCs and standards changes in this release.

Hardware Support

Supported devices

Supported NICs

The following table lists, by vendor and model, network interface cards (NICs) that are supported by the Brocade vRouter data plane for bare-metal installations or for PCI-passthrough or SR-IOV configurations.

NIC vendor and model	Description	Controller type
Intel 82598, 82598AF, 82598AT, 82598AT2, 82598EB, 82599EB, 82599EN, 82599ES (X520-2)	Dual 10 GbE with SFP+	82599EB
Intel 82599ES	10 GbE with SFI/SFP+	
Intel X540T1, X540T2, X540AT2	Dual 10 GbE copper	X540
Intel X520	Dual 10 GbE fiber	
Intel Ethernet Controller XL710	Converged Network Adapter XL710 10/40 GbE	I40E
Intel 82540, 82545, 82546, 82571, 82572, 82573, 82574, 82583	1 GbE	E1000-style single-queue devices
Intel 82575, 82576, 82580, I350, I210, I211, I354, DH89XXC	1 GbE	Multiqueue devices

NOTE

Brocade Vyatta Network OS supports the Wind River Accelerated Virtual Port (AVP) poll-mode virtual NIC driver.

Supported SFP and SFP+ transceivers

A VNF Platform image that runs on a SuperMicro E300-8D system supports the following SFP and SFP+ transceivers:

- Brocade/E1MG-SX-OM-1000BASE-SX
- Brocade/E1MG-LX-OM-1000BASE-LX
- Brocade/E1MG-LHA-OM-1000BASE-EX
- Brocade/10G-SFPP-SR-10GBASE-SR
- Brocade/10G-SFPP-LR-10GBASE-LR
- Brocade/10G-SFPP-ER-10GBASE-ER

Software Upgrade

Upgrade considerations

No upgrade considerations for this release.

Limitations and Restrictions

Defects

Security vulnerabilities

The following security issues are resolved in this release:

- [CVE-2015-8270, CVE-2015-8271, CVE-2015-8272] Debian DSA-3850-1: rtmpdump—Security update (VRVDR-37296)
- [CVE-2017-7867, CVE-2017-7868] Debian DSA-3830-1: icu—Security update (VRVDR-36983)
- [CVE-2016-9588 CVE-2017-2636 CVE-2017-5669 CVE-2017-5986 CVE-2017-6214 CVE-2017-6345 CVE-2017-6346 CVE-2017-6348 CVE-2017-6353] Linux security update (VRVDR-36340)

Resolved issues

The following table lists the resolved issues in this release.

TABLE 1 Resolved issues

Component	Priority	Key	Summary
Firewall	Minor	VRVDR-37315	In the output of the show session-table statistics command, the Used field shows a negative value.
Interfaces	Major	VRVDR-37250	The MTU change on the bonding interface is not reflected in the VIF and VRRP MTU size.
IPsec/VPN	Minor	VRVDR-36799	The following warning message is being reported: Warning: unable to [...], received error code 65280
VRRP	Minor	VRVDR-36734	a vRouter with a lower VRRP priority goes back and forth between MASTER and BACKUP if VRRP packets are filtered by the firewall for the incoming traffic.
Interfaces	Major	VRVDR-36695	When testing the use of iperf with a heavy load, the interface goes down.
VRRP	Major	VRVDR-36549	In the RFC mode, the vRouter does not reply to unicast ARP requests for VRRP vIP, but the broadcast ARP requests works fine.
Static	Minor	VRVDR-36426	The prefix is missing from the static routing YANG XPATH statement.
VRRP	Critical	VRVDR-36373	When the ARP table is cleared, the host becomes unpingable until the vRouter initiates a ping of the host.
VRRP	Minor	VRVDR-36284	Mismatched VRRPv2 timers cause a flood (6K PPS) of VRRP advertisement packets on the link.
VRRP	Minor	VRVDR-35473	In the output of the show vrrp command, the Last Transition times are different, even within the same sync-group.

Known issues

The following table lists the known issues in this release.

TABLE 2 Known issues

Component	Priority	Key	Summary
IPsec/VPN	Trivial	VRVDR-37338	The output of the show vpn ipsec sa command is different in the 4.2 and 5.2 releases.
RA_VPN	Major	VRVDR-36378	The client behind NAT is unable to connect to the L2TP server.
IPsec/VPN	Minor	VRVDR-34842	DMVPN: After changing the logging configuration on a Hub, the Spoke receives the INVALID_ID_INFORMATION message.
TACACS	Minor	VRVDR-15866	TACACS Authentication/Authorization and Accounting is out of sync after TACACS servers went offline/online and TACACS user exits session. After TACACS servers go offline or online and a TACACS user exits a session, TACACS Authentication/Authorization and Accounting becomes out of sync.