# 21.4R3-S7: Software Release Notification for JUNOS Software Version 21.4R3-S7

## Alert Description

Junos Software Service Release version 21.4R3-S7 is now available for download from the Junos software download site

## Download Junos Software Service Release:

1. Go to Junos Platforms - Download Software page
2. Input your product in the "Find a Product" search box
3. From the Type/OS drop-down menu, select *Junos SR*
4. From the Version drop-down menu, select your version
5. Click the Software tab
6. Select the Install Package as need and follow the prompts

## Solution

Junos Software service Release version 21.4R3-S7 is now available.

## 21.4R3-S7 - List of Known issues

| PR Number | Synopsis | Category: EX4300 PFE |
|---|---|---|
| 1785058 | PFE Crash will be seen on EX4300 Platforms Product-Group=junos | On EX4300 Platforms, Packet Forwarding Engine (PFE) crash will be seen due to an unexpected switchover after committing interface configuration .<br><br>*Resolved In:* junos:21.4R3-S6 |
| **PR Number** | **Synopsis** | **Category: EX4300 Platform** |
| 1779410 | The pfex process crash is observed when PIC is removed Product-Group=junos | On EX4300 or EX4300-VC, removal of a Physical Interface Card (PIC), or if the software fails to detect a PIC that is installed, it can cause a crash in the pfex process. This crash can lead to high CPU usage and potentially disrupt network traffic.<br><br>*Resolved In:* junos:21.4R3-S7 |
| **PR Number** | **Synopsis** | **Category: EX2300/3400 PFE** |
| 1365642 | EX2300 - High amount of ARP requests may be dropped by the CPU Product-Group=junos | In EX2300, transit ARP requests entering a port can get trapped to the CPU even if no IRB is configured on the VLAN. This can result in unnecessary ARP requests to the CPU and in extreme cases result in drops of genuine ARP requests in the ARP queue to CPU.<br><br>*Resolved In:* |

| PR Number | Synopsis | Category: Fireall support for ACX |
|---|---|---|
| 1789694 | ACX1100 PTP(enterprise profile) is stuck at freerun state<br>Product-Group=junos | ACX1100 PTP(enterprise profile) is stuck at freerun state after upgrading junos to 21.2R3<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: ACX L2 related features** |
| 1793829 | l2cricuit interface ccc "with Native-VLAN" configured do not add vlan-ID when receiving untag packet<br>Product-Group=junos | The existing check installs the ingress Vlan xlate entry only when the port vlan is configured for the CCC interface.<br><br>*Resolved In:* junos:23.2R2 junos:23.4R2 junos:24.1R2 junos:24.2R1 |
| **PR Number** | **Synopsis** | **Category: ACX MPLS** |
| 1797128 | Traffic expecting untagged packets over CCC/VPLS/L2Circuit is incorrectly tagged on ACX710 egress ports after upgrading to junose 21.4R3-S3.4 release<br>Product-Group=junos | Traffic expecting untagged packets over CCC/VPLS/L2Circuit is incorrectly tagged on ACX710 egress ports after upgrading to junose 21.4R3-S3.4 release<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: BBE Layer-2 Bitstream Access** |
| 1796125 | The broadband subscriber (L2BSA subscribers) on the core interface logging out with interface state changes<br>Product-Group=junos | On all Junos platforms, any configuration changes that involve interface down/up sequence, result in logging-out L2BSA (Layer 2 Broadband Subscriber Access) subscribers associated with that core interface.<br><br>*Resolved In:* evo:23.4R2-EVO evo:24.1R2-EVO evo:24.2R1-EVO evo:24.3R1-EVO junos:21.2R3-S5-J3 junos:21.2R3-S8 junos:22.1R3-S6 junos:22.2R3-S4 junos:22.3R3-S3 junos:22.4R3-S2 junos:23.2R2-S1 junos:23.4R2 junos:24.1R2 junos:24.2R1 |
| **PR Number** | **Synopsis** | **Category: MIBs related to BBE** |
| 1709029 | CLI command 'show snmp mib walk ascii' is not showing the correct output for jnxSubscriberPicCountTable and jnxSubscriberSlotCountTable<br>Product-Group=junos | In a subscriber-management environment SNMP polling of jnxSubscriberPicCountTable and jnxSubscriberSlotCountTable MIBs will result in a single line of output if any subscribers terminated over ps interface are present.<br><br>*Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1 |

| PR Number | Synopsis | Category: Border Gateway Protocol |
|---|---|---|
| 1464931 | RPKI validation is broken.<br>Product-Group=junos | RPKI validation is broken in a scenario where the RV database gets updated in the master instance but the VRF route table is not triggered to re-verify its prefixes against the new updates.<br><br>*Resolved In:* |
| 1737679 | The rpd crash files are seen due to a use-after free of objects<br>Product-Group=junos | On all Junos and Junos Evolved platforms, due to a use-after free of objects that are being shared across threads for tracing that happened when some assumptions were broken in a recent fix. The crash files generated in rare conditions when the object is freed prior to when the trace is cut.<br><br>*Resolved In:* evo:22.2R3-S3-EVO evo:22.3X50-EVO evo:22.3X80-D43-EVO evo:22.3X80-D44-EVO evo:22.4R3-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:22.2R3-S3 junos:22.3R3-S2 junos:22.4R3 junos:23.2R1-S1-J7 junos:23.2R2 junos:23.3R1 junos:23.4R1 |
| 1739335 | The rpd process crash will be observed when the prefix-limit exceeds on the backup RE<br>Product-Group=junos | On all Junos and Junos OS Evolved platforms configured with BGP (Border Gateway Protocol), NSR (Nonstop Active Routing), and prefix-limit with idle-timeout, when the prefix-limit exceeds on the backup RE (Routing Engine) and switchover is performed the rpd process crash will be observed on the new backup RE.<br><br>*Resolved In:* evo:21.2R3-S6-EVO evo:21.3R3-S5-EVO evo:21.4R3-S5-EVO evo:22.1R3-S4-EVO evo:22.2R3-S2-EVO evo:22.3R3-S1-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:21.2R3-S6 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.2R3-S2 junos:22.3R3-S1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1 junos:23.4R1 |
| **PR Number** | **Synopsis** | **Category: Track PRs in BGP BMP area & is part of BGP inside RPD.** |
| 1635143 | The rpd may crash due to memory pressure for high BGP scale with flapping route and BGP Monitoring Protocol (BMP) collector/station is very slow on all Junos and EVO platforms<br>Product-Group=junos | On all devices running Junos OS or Junos OS Evolved, where this is a high BGP scale with flapping route and the BGP Monitoring Protocol (BMP) collector/station is very slow, the rpd process might crash due to memory pressure.<br><br>*Resolved In:* junos:20.3X75-D45 |
| **PR Number** | **Synopsis** | **Category: Issues related to Common BIOS on x86 based designs** |
| 1746973 | Enhancement to automatically restore LKG image from an alternate | On VMhost based platforms, if BIOS gets corrupted, LKG image is used to restore BIOS. For some reason, if the LKG image itself gets corrupted, there is no way to recover the BIOS. The usual way to reinstate the LKG is manual, but with this fix it is |

| | | |
|---|---|---|
| | location<br>Product-Group=junos | automatic.<br><br>*Resolved In:* junos:20.3X75-D36 junos:21.4R3-S6 junos:22.4R3 junos:22.4R3-S1 junos:23.2R2 junos:23.4R1 |
| **PR Number** | **Synopsis** | **Category: OpenSSL and related subsystems** |
| 1675447 | Junos OS: Vulnerability fixed in OpenSSL<br>Product-Group=junos | A Use of a Broken or Risky Cryptographic Algorithm Vulnerability in OpenSSL of Juniper Networks Junos OS allows a remote attacker to obtain sensitive information, caused by improper encryption of data by the AES OCB mode for 32-bit x86 platforms using the AES-NI assembly optimized implementation. Please refer to https://supportportal.juniper.net/JSA73176 for more information.<br><br>*Resolved In:* junos:22.1R3 junos:22.2R2 junos:22.3R1 junos:22.3R2 junos:22.4R1 |
| **PR Number** | **Synopsis** | **Category: Device Configuration Daemon** |
| 1731190 | The lt/vt/ut interfaces may not recover from the disable-pfe (admin down) state if the GRES switchover is done before restarting FPC<br>Product-Group=junos | On all Junos Platforms when a PFE (Packet Forwarding Engine) gets disabled to a CM (Chassis Manager) error disable-pfe action or any other reason and a GRES (Graceful Routing Engine Switchover) happens, the lt/vt/ut (Logical Tunnel/Virtual Tunnel/Uplink Tunnel) interfaces will not recover after the FPC (Flexible PIC Concentrator) restart even though the error condition is recovered resulting in traffic loss.<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: ACX platform interface issues** |
| 1801112 | ACX710 does not recognize GPON OLT 740-124448 reports NON-JNPR after ACX power cycle.<br>Product-Group=junos | ACX710 does not recognize GPON OLT 740-124448 reports NON-JNPR after ACX power cycle. The same error state NON-JNPR can be observed when GPON OLT SFP is installed into ACX router.<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: Dynamic rendering infrastructure** |
| 1690598 | VMX :: Incorrect data encoding format is used for the parameter ISIS extended reachability TLV - max link bandwidth when passed to Influx DB server via GNMI<br>Product-Group=junos | For leaves of data type ieeefloat32, the value will be encoded in bytes while being streamed to collector. The value contained in such leaves may not be completely accurate.<br><br>*Resolved In:* evo:23.3R1-EVO junos:23.3R1 |
| 1745615 | Telemetry data is not exported in an IS-IS scaled | On all Junos and Junos OS Evolved platforms configured with SR-ISIS and with gRPC/gNMI telemetry, subscription to the path: |

| | | |
|---|---|---|
| | Segment Routing scenario Product-Group=junos | "/junos/services/segment-routing/sid/usage/" will not work and the output could not be proper. The issue could happen only in scaled configuration (Approximately, 4000 or more per-sid ingress sensors and 4000 or more IPv4/IPv6 per-sid egress sensors are configured).<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: EVPN Layer-2 Forwarding** |
| 1770407 | The l2ald crash will be seen in EVPN-MPLS scenarioo Product-Group=junos | On all Junos and Junos OS Evolved platforms with EVPN-MPLS configured, when a BD(Bridge Domain) is not included in "vnid-list" of EVPN-MPLS(Ethernet Virtual Private Network with Multiprotocol Label Switching) routing instance and router-id is deleted, the l2ald process will crash. There is no service impact due to this issue.<br><br>*Resolved In:* evo:21.4R3-S6-EVO evo:22.1R3-S5-EVO evo:22.2R3-S3-EVO evo:22.3R3-S2-EVO evo:22.4R3-EVO evo:23.2R2-EVO evo:23.4R2-EVO evo:24.1R1-EVO junos:21.4R3-S6 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.3R3-S2 junos:22.4R3 junos:23.2R2 junos:23.4R2 junos:24.1R1 |
| **PR Number** | **Synopsis** | **Category: EX4400 PFE software** |
| 1761220 | The 'input-vlan-map push' operation will not work on double-tagged frames Product-Group=junos | On Junos EX/QFX5120 platforms with QinQ setup packets with multicast payloads such as OSPF (Open Shortest Path First)/ISIS (Intermediate. System to Intermediate System), when 'input-vlan-map push' is configured to push an outer VLAN (Virtual Local Area Network) tag on to a double-tagged frame, the egressing frame will be tagged incorrectly. Instead of a push operation, the outer VLAN tag of the ingressing double-tagged frame will be swapped and sent out. This results in unexpected behavior or traffic loss as such protocol packets will not have the expected VLAN tag information.<br><br>*Resolved In:* junos:22.2R3-S3 junos:22.3R3-S2 junos:22.4R3 junos:22.4R3-S1 junos:23.2R2 junos:23.3R2 junos:23.4R1 junos:23.4R2 junos:24.1R1 |
| **PR Number** | **Synopsis** | **Category: Express PFE L2 fwding Features** |
| 1792128 | JUNOS_REG: QFX10008 : Traffic loss is seen on Rx while validating CCC IFL with traffic on AE Product-Group=junos | QFX 10K : Traffic drop is seen when multiple ifls of different families are configured on same ifd and L2 ifl is the first ifl to be created<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: Libjtask for RPD tasks, scheduler, timers, memory, and slip** |

| | | |
|---|---|---|
| 1787707 | The KRT queue will be stuck on Junos ACX710 platform<br>Product-Group=junos | On Junos ACX710 platform with BGP (Border Gateway Protocol) configuration, the response message will be lost and it will lead to element being stuck in the KRT (Kernel Routing Table) queue.<br><br>*Resolved In:* evo:23.4R2-EVO junos:22.4R3-S2 junos:23.4R2 |
| **PR Number** | **Synopsis** | **Category: MX Inline Jflow** |
| 1798466 | Linecard with knob [inline-services flex-flow-sizing] enabled and large scaled routes<br>Product-Group=junos | On all Junos MX platforms having LC(Linecard) MPC (Modular Port Concentrator)4-9 installed, the Linecard crash can be seen in corner case. This issue will be seen when Jflow is configured and the knob inline-services flex-flow-sizing is configured. There will be traffic impact due to the crash but the system will self-recover.<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: BSDX Software installation issues** |
| 1783119 | Delays can be seen while the upgrading process runs due to the status of UFS set to mode enable.<br>Product-Group=junos | In USF mode enabled router, While upgrading router having scaled services AMS config with "load-balancing-options disable-hash", Router continuously dumps "'disable-hash' knob is only allowed in USF mode" error. This delays the bootup time with scaled config.<br><br>*Resolved In:* junos:22.1R3-S6 junos:22.2R3-S4 junos:22.3R3-S3 junos:23.2R2-S1 junos:23.4R2 junos:24.2R1 |
| **PR Number** | **Synopsis** | **Category: jdhcpd daemon** |
| 1790508 | EX4400VC : DHCP discover packets will be sent from me0 interface when FPC comes online<br>Product-Group=junos | On EX4400 device, you may observe DHCP discover packets from me0 even though DHCP is not enabled on that interface. The issue could be seen when EX4400 comes up.<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: Flow Module** |
| 1742739 | Virtual Routing Instance configured on ingress interface will drop the icmp traffic<br>Product-Group=junos | On all Junos platforms, when routing instance of type "virtual router" is configured on the interface the ping response packets will get dropped and no ping response will be received on the ingress interface.<br><br>*Resolved In:* |
| 1761542 | In a chassis cluster setup the flowd crashes and SPC cards will fail<br>Product-Group=junos | On SRX platforms, in a chassis cluster setup configured in Active/Active mode, the fabric forward packet enters the flow module causing the flow processing daemon (flowd) to crash, impacting the traffic forwarding and failing the Services Processing Card (SPC). |

| | | *Resolved In:* |
|---|---|---|
| **PR Number** | **Synopsis** | **Category: all logging related bugs on srx platforms** |
| 1716776 | Security log missing space between timestamp and hostname Product-Group=junos | JunOS upgrade to the 22.2R3, 21.3R3-S3, 22.4R1, 21.4R3-S3, 22.3R2, 22.4R2, 21.2R3-S4 , 22.1R3 the security log space between the timestamps and site-name is removed Eg. 2023-08-14T12:04:31.273-07:00device_host-name RT_FLOW - RT_FLOW_SESSION_CREATE_LS [junos@2636.1.1.1.2.137 logical-system-name="JTAC-LSYS" source-address="10.10.10.10" source-port="29279" destination-address="10.10.30.20" destination-port="1603" connection-tag="0" service-name="icmp" nat-source-address="10.10.10.10" nat-source-port="29279" nat-destination-address="10.10.30.20" nat-destination-port="1603" nat-connection-tag="0" src-nat-rule-type="N/A" src-nat-rule-name="N/A" dst-nat-rule-type="N/A" dst-nat-rule-name="N/A" protocol-id="1" policy-name="ONE" source-zone-name="JTAC-Trust" destination-zone-name="JTAC-dmz" session-id="3207" username="N/A" roles="N/A" packet-incoming-interface="ge-0/0/12.0" application="UNKNOWN" nested-application="UNKNOWN" encrypted="UNKNOWN" application-category="N/A" application-sub-category="N/A" application-risk="-1" application-characteristics="N/A" src-vrf-grp="N/A" dst-vrf-grp="N/A" tunnel-inspection="Off" tunnel-inspection-policy-set="root" source-tenant="N/A" destination-service="N/A"]<br><br>*Resolved In:* junos:21.2R3-S6 junos:21.3R3-S5 junos:21.4R3-S4 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R2-S2 junos:22.3R3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1 |
| **PR Number** | **Synopsis** | **Category: Security platform jweb support** |
| 1788364 | J-Web default session limits has been aligned with CLI default values Product-Group=junos | If session limit not configured in cli, default value of session limit will be 7 for Seige models and 1024 for other models<br><br>*Resolved In:* junos:22.1R3-S6 junos:22.3R3-S3 junos:22.4R3-S2 junos:23.4R2 junos:24.1R1 junos:24.2R1 |
| **PR Number** | **Synopsis** | **Category: Layer2 forwarding on EX/NTF/PTX/QFX** |
| 1677996 | A new command has been introduced that will display the differences between the destroute entries learned within l2ald and present in the kernel Product-Group=junos | A new command has been introduced that will display the differences between the destroute entries learned within l2ald and present in the kernel<br><br>*Resolved In:* evo:23.3R1-EVO evo:23.4R1-EVO junos:22.2R3-S4 junos:22.4R3-S2 junos:23.2R2 junos:23.3R1 junos:23.4R1 |
| 1727574 | Low platforms EX2300, EX3400, EX4300 hangs due | This issue affects Junos low platforms EX2300, EX3400, EX4300 (excluding EX4300-mp), where it runs out of memory due to |

| | | |
|---|---|---|
| | to low memory<br>Product-Group=junos | events like commit config, taking RSI, addition/deletion of mac address, and the system hangs impacting any service and traffic.<br><br>*Resolved In:* junos:21.4R3-S4-X1 |
| **PR Number** | **Synopsis** | **Category: Issues related to Junos licensing infrastructure** |
| 1800225 | License autoupdate will check license regularly despite the configuration options<br>Product-Group=junos | License autoupdate will check license regularly despite the configuration options<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: Multicast Routing** |
| 1665791 | Packets getting dropped on the Server leaf in EVPN-VXLAN with OISM<br>Product-Group=junos | In EVPN-OISM (Optimized inter-subnet multicast), with listener behind Server Leaf (SL) and source outside fabric, if the Server leaf does not have a valid supported unicast route (EVPN Type-5 unicast route is not supported with EVPN-OISM) to the source, might drop the flow.<br><br>*Resolved In:* evo:22.1R3-EVO evo:22.2R2-EVO evo:22.3R1-EVO evo:22.4R1-EVO junos:22.1R3 junos:22.2R2 junos:22.3R1 junos:22.4R1 |
| **PR Number** | **Synopsis** | **Category: For multicast snooping on MX** |
| 1569436 | When igmp-snooping is removed from the device, the device may encounter inconsistent mcsnoopd<br>Product-Group=junos | Multicast traffic is hogging the switch core when igmp-snooping is removed. The mcsnoopd might crash due to the changes in mrouter interfaces and routes.<br><br>*Resolved In:* evo:22.1R1-EVO junos:22.1R1 |
| **PR Number** | **Synopsis** | **Category: MX Timing software** |
| 1772138 | DUT is sending same source-port-id for two PTP master links connected to downstream node with multiline card scenarios<br>Product-Group=junos | On Junos MX240/480/960/2010/2020/2008 Distributed Precision Time Protocol (PTP) platforms, When PTP master/slave/stateful is configured across multiple linecards and allocated with same port-number in the line cards, then the packets generated from both the ports, shall contain the same source-port-id. It shall create Baseboard Management Controller (BMC) issues in G.8275.1 deployment and passive port monitoring deployments.<br><br>*Resolved In:* evo:23.4R2-EVO evo:24.1R2-EVO evo:24.2R1-EVO evo:24.3R1-EVO junos:23.4R2 junos:24.1R2 junos:24.2R1 |
| **PR Number** | **Synopsis** | **Category: Odin Timing software** |
| 1745604 | [TWM Clocking Solution] - chassis clock status should | [TWM Clocking Solution] - chassis clock status should not move to "holdover" while switching between PTP path alone |

| | | |
|---|---|---|
| | not move to "holdover" while switching between PTP path alone<br>Product-Group=junos | *Resolved In:* junos:20.4R3-S10 junos:21.2R3-S7 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.3R3-S2 junos:22.4R3-S2 junos:23.2R2 junos:23.4R1 junos:24.1R1 |
| **PR Number** | **Synopsis** | **Category: OS IPv4/ARP/ICMPv4** |
| 1740873 | ARP resolution will not work properly if the L3 interfaces are configured with native vlan-id<br>Product-Group=junos | On MX platforms with MPC10/MPC11/LC9600 linecards and MX304, in problematic scenario if a device interface is configured with native vlan the packet goes out tagged and peer device receives tagged packet. If the peer device is not configured to expect tagged packets (either due to different native VLAN configuration or no VLAN configuration), the peer will drop the packet. Due to this, ARP (Address Resolution Protocol) resolution would fail which leads to traffic drop. Ideally if the L3 interfaces are configured with native-vlan id, the packets should go out untagged.<br><br>*Resolved In:* evo:23.2R2-EVO |
| **PR Number** | **Synopsis** | **Category: PFE Peer Infra** |
| 1801535 | CPU usage gets spiked for eventd due to flooding of pfe_khms_spurious_wakeup log<br>Product-Group=junos | On all Junos platforms, CPU usage gets spiked for eventd due to flooding of pfe_khms_spurious_wakeup log. This log is not an error log but still printed under LOG_ERROR and flooded with default log level.<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: TCP/UDP transport layer** |
| 1700438 | The TCP sessions for BGP are closed on the backup RE<br>Product-Group=junos | On all Junos Platforms, if the interface configuration is altered to switch from one routing instance to another it might result in the closing of BGP session on the Backup Routing Engine.<br><br>*Resolved In:* junos:20.2R3-S9 junos:21.2R3-S5 junos:22.2R3-S3 junos:22.3R3-S3 junos:22.4R2-S2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1 |
| **PR Number** | **Synopsis** | **Category: vMX Data Plane Issues** |
| 1669261 | vMX crashes due to MBUF leaks<br>Product-Group=junos | vMX platforms (MX150) will crash as a result of the MBUF (Memory Buffer) leak.<br><br>*Resolved In:* junos:20.3X75-D43 junos:20.3X75-D46 junos:20.4R3-S5 junos:21.4R3 junos:22.1R3 junos:22.3R1 junos:22.3R2 junos:22.3R3 junos:22.4R2 junos:22.4R3 junos:23.1R1 |
| **PR Number** | **Synopsis** | **Category: QFX L2 PFE** |

| | | |
|---|---|---|
| 1711860 | The dcpfe process will crash due to memory fragmentation Product-Group=junos | On Junos and Junos OS Evolved platforms, the dcpfe (Dense Concentrator Packet Forwarding Engine) process crash will be observed due to memory fragmentation issue. This is a very rare case and would impact traffic as due to dcpfe failure the PFE restarts, so the interfaces will flap.<br><br>*Resolved In:* evo:23.4R1-EVO junos:23.4R1 |
| **PR Number** | **Synopsis** | **Category: QFX L3 data-plane/forwarding** |
| 1588704 | The dcpfe might crash on QFX5k devices Product-Group=junos | On QFX5000 line of switches, the Flexible PIC Concentrator (FPC) or dcpfe process might go into a very uncommon state when multiple Broadcom Counter (bcmCNTR) threads are running or spawned in FPC. This state causes the dcpfe process to crash or the FPC to reboot. The purpose of bcmCNTR is to poll statistics from hardware.<br><br>*Resolved In:* junos:18.4R2-S9 junos:20.3X75-D30 junos:20.3X75-D40 junos:22.1R1 junos:22.2R1 junos:22.2R3 |
| **PR Number** | **Synopsis** | **Category: Category for QFX5K EVO Platform Software PRs related to Chas** |
| 1708773 | Intermittently Traffic gets blackholed on line side Tx/Rx on certain platforms Product-Group=junos | On a rare scenario, platforms having Marvell PHY (Alaska 88x7121P ) such as ACX7348, QFX5700, ACX7100-32C, ACX7100-48L etc, intermittently traffic gets blackholed on line side Tx/Rx, when device is is fully loaded/populated with optics/DAC cables and is rebooted.<br><br>*Resolved In:* evo:23.4R2-EVO evo:24.3R1-EVO junos:23.4R2 |
| **PR Number** | **Synopsis** | **Category: Issues related to dynamic-tunnels routing infrastructure** |
| 1728305 | The tunnel remains down and traffic is impacted due to no validation of the tunnel forwarding route Product-Group=junos | Traffic drop is observed when the tunnel route resolves over a route, which the next hop was set to discard. This occurs as there is no check if the nexthop is of type discard, reject or black hole.<br><br>*Resolved In:* evo:22.2R3-S1-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:20.3X75-D43 junos:21.4R3-S5 junos:22.2R3-S1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1 |
| **PR Number** | **Synopsis** | **Category: RPD Next-hop issues including indirect, CNH, and MCNH** |
| 1716436 | Traffic loss due to incorrect route resolution and KRT queue getting stuck with 'EINVAL -- Bad parameter in request' error Product-Group=junos | On all Junos and Junos OS Evolved platforms, due to a bug in route resolution over specific types of next hops, the route can resolve over itself and the nexthop chain keeps expanding. Due to this issue, the depth of recursion gets higher than supported and the KRT (Kernel Routing table) queue returns errors for nexthops. As a result, there will be incorrect route resolution, traffic loss and occasionally, the rpd (routing protocol deamon) crashes. The necessary configurations and conditions that will result in this |

| | | |
|---|---|---|
| | | issue are below 1. BGP (Border Gateway Protocol) Prefix-Independent Convergence (PIC) ("protect core") is configured and BGP receives same prefix from EBGP and IBGP neighbors 2. BGP LU (Labeled Unicast) with "protection" to create backup path to protect the active and BGP receives same prefix from EBGP and IBGP neighbors 3. Mutually recursive Route resolvability situations like Resolving using Default-route (not having proper resolution config)<br><br>*Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R2-EVO junos:22.2R3-S2 junos:22.3R3-S1 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 |
| **PR Number** | **Synopsis** | **Category: RPD policy options** |
| 1714163 | The static routes are installed in the routing table even though interface routes are not present Product-Group=junos | On all Junos and Junos OS Evolved platforms, the static routes are installed in the routing table even though the corresponding interface routes are not present.<br><br>*Resolved In:* evo:23.2R2-EVO evo:23.4R1-EVO junos:22.4R3-S2 junos:23.2R2 junos:23.4R1 junos:23.4R2 |
| **PR Number** | **Synopsis** | **Category: RPM and TWAMP** |
| 1660514 | RPM route tracking configuration doesn't work on EX9200 Series Product-Group=junos | On the Junos EX9200 series device, RPM (Realtime Performance Monitoring) route tracking does not work even though the configuration gets committed without errors and RPM route tracking CLIs (Command Line Interface) doesn't work. As a result, the route tracking configuration will not take effect, consequently, the intended route will not get tracked. The output of commands like 'show route rpm-tracking' throws an error.<br><br>*Resolved In:* evo:22.1R2-EVO evo:22.2R2-EVO evo:22.3R1-EVO junos:21.3R2-S2 junos:22.1R1-S1 junos:22.1R2 junos:22.2R2 junos:22.3R1 |
| **PR Number** | **Synopsis** | **Category: jflow/monitoring services** |
| 1725360 | Continuous route flaps in short interval will cause the srrd to restart Product-Group=junos | On all Junos platforms continuous route flaps in short interval will cause the srrd (Sampling Route-Record Daemon) to restart and core-dump could be observed.<br><br>*Resolved In:* junos:20.3X75-D46 junos:20.3X75-D52 junos:21.2R3-S8 junos:21.4R3-S4 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1 |
| **PR Number** | **Synopsis** | **Category: PTX10K Line Card specific interface PRs** |
| 1796895 | Interface input drops and PFE statistics info cell drops | On all Junos OS Evolved based PTX platforms, any interface configurations which are catastrophic(leading to IFD bounce) for |

| | | |
|---|---|---|
| | shows an incorrect large value with any configuration leading to IFD bounce<br>Product-Group=junos | e.g Aggregated Ethernet (AE) configuration, MTU change etc. are done, an incorrect(large) value of drop errors is seen in RE CLI display of show interfaces extensive also incorrect(large) value of PFE info cell drops on CLI show pfe statistics traffic is seen.<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: Issues related to control plane security** |
| 1781732 | Junos OS and Junos OS Evolved: Impact of Terrapin SSH Attack (CVE-2023-48795)<br>Product-Group=junos | An Improper Validation of Integrity Check Value vulnerability in OpenSSH before 9.6 of Juniper Networks Junos OS and Junos OS Evolved allows a remote attacker to bypass integrity checks such that some packets are omitted (from the extension negotiation message), and a client and server may consequently end up with a connection for which some security features have been downgraded or disabled, aka the Terrapin Attack. Please refer to https://supportportal.juniper.net/JSA76462 for more information.<br><br>*Resolved In:* evo:22.3X50-EVO junos:22.2R3-S4 junos:22.4R3-S2 |
| **PR Number** | **Synopsis** | **Category: IPSEC functionality on M/MX/T ser** |
| 1801201 | IKE is not coming up with dhgroup19 and dhgroup20<br>Product-Group=junos | IKE is not coming up with dhgroup19 and dhgroup20. The below Junos releases are impacted. junos:21.2R3-S7 junos:21.4R3-S6 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.3R3-S2 junos:22.4R3-S1 junos:24.1R1. So previous to these releases dhgroup19 and dhgroup20 should be working.<br><br>*Resolved In:* evo:24.2R1-EVO evo:24.3R1-EVO junos:22.1R3-S6 junos:22.2R3-S4 junos:22.3R3-S3 junos:24.2R1 |
| **PR Number** | **Synopsis** | **Category: SRX branch platforms** |
| 1714620 | High latency will be observed while pinging to peer device<br>Product-Group=junos | On Branch SRX Platforms, The delay will be observed while pinging to peer device due to high latency when VLAN(Virtual Local Area Network) tagged DHCP(Dynamic Host Configuration Protocol) packets arrive at IRB (Integrated Routing and Bridging) interface.<br><br>*Resolved In:* junos:21.2R3-S8 junos:22.1R3-S6 junos:22.2R3-S4 junos:22.3R3-S3 junos:22.4R3-S2 junos:23.2R2-S1 junos:23.4R2 junos:24.2R1 |
| **PR Number** | **Synopsis** | **Category: MX10003/MX204 Linux issues (including driver issues)** |
| 1753908 | Device crash and control plane traffic gets impacted on Junos platforms<br>Product-Group=junos | On all Junos platforms, due to a timing issue, when monitor traffic is enabled on loopback interface (for debug purpose), in the presence of local TCP (Transmission Control Protocol) packet flow, it is observed that the device crashes and traffic gets impacted. |

| | | |
|---|---|---|
| | | *Resolved In:* junos:20.3X75-D52 junos:20.4R3-S10 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.3R3-S2 junos:22.4R3 junos:23.2R2 junos:23.4R1 junos:24.1R1 |
| **PR Number** | **Synopsis** | **Category: MX10002 Platform SW - Platform s/w defects** |
| 1727985 | A panic reboot will be observed due to deadlock on VMhost platforms Product-Group=junos | On Junos based VMhost platforms due to disk access issue a panic reboot will be observed with core files. This is a rare issue and traffic will be impacted as the system reboots unexpectedly.<br><br>*Resolved In:* junos:23.4R1 |
| **PR Number** | **Synopsis** | **Category: SRX-1RU platfom related protocol, QoS, filtering features et** |
| 1654838 | The control link may not come up during the reboot Product-Group=junos | On SRX4600 platforms, during reboot when the port signal is unstable, it may cause a control link down.<br><br>*Resolved In:* junos:20.2R3-S9 junos:20.4R3-S4 junos:21.1R3-S3 junos:21.2R3-S1 junos:21.3R3 junos:21.4R3 junos:22.1R2 junos:22.2R1 junos:22.3R1 |
| **PR Number** | **Synopsis** | **Category: ZT/YTpfe bridging, learning, stp, oam, irb software** |
| 1766694 | 802.1p priority is preserved when traffic is sent from AFT with irb Product-Group=junos | In AFT with IRB config, post the mpls decapsulation, irb egress processing is done which adds an L2encap in which the cos bits that are preserved are also copied.<br><br>*Resolved In:* evo:23.4R2-EVO evo:24.1R1-EVO junos:22.1R3-S6 junos:22.2R3-S4 junos:22.4R3-S1 junos:23.2R2 junos:23.4R2 junos:24.1R1 |
| **PR Number** | **Synopsis** | **Category: Configuration mgmt, ffp, load-action, commit processing** |
| 1663590 | Commit failure might be observed on reactivation or commit of specific configurations after the upgrade of the device Product-Group=junos | On all Junos and Junos Evolved platforms, reactivation or commit of specific configurations fails after the upgrade of the device.<br><br>*Resolved In:* evo:21.2R1-J3-EVO evo:21.2R3-S1-EVO evo:21.3R3-S5-EVO evo:21.4R3-S5-EVO evo:22.2R2-S2-J3-EVO evo:22.2R3-S1-EVO evo:22.2R3-S2-EVO evo:22.3R1-EVO junos:21.2R3-S1 junos:21.2R3-S5 junos:21.2X32-D10 junos:21.2X32-D20 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.2R3-S1 junos:22.2R3-S3 junos:22.3R1 |
| **PR Number** | **Synopsis** | **Category: UI Infrastructure - mgd, DAX API, DDL/ODL** |
| 1708321 | Device goes to amnesiac state on configuring dynamic-profiles followed | On Junos platforms, when a toggle attribute is defined in dynamic-profiles with variable, the system goes to amnesiac mode upon reboot and thus causes traffic loss. |

| | | |
|---|---|---|
| | by reboot<br>Product-Group=junos | *Resolved In:* evo:21.4R3-S3-EVO evo:22.2R2-J4-EVO evo:22.2R2-J6-EVO evo:22.2R2-S2-J1-EVO evo:22.2R2-S2-J2-EVO evo:22.2R3-EVO evo:22.3R2-EVO evo:22.3R3-EVO evo:22.4R1-S2-EVO evo:22.4R2-EVO evo:23.1R1-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:20.4R3-S7 junos:21.4R3-S3 junos:22.1R3-S2 junos:22.2R2-S2 junos:22.2R3 junos:22.3R2 junos:22.3R3 junos:22.4R1-S2 junos:22.4R2 junos:23.1R1 junos:23.1R2 junos:23.2R1 |
| **PR Number** | **Synopsis** | **Category: Issues related to Logging/Tracing, errmsg, eventd infrastruc** |
| 1602536 | Observed memory leak in eventd leak during GRES<br>Product-Group=junos | A minor memory leak is seen in the event-daemon process when multiple GRES switchovers are performed.<br><br>*Resolved In:* |
| **PR Number** | **Synopsis** | **Category: Issues related to NETCONF** |
| 1709056 | Unable to upgrade Junos using NetConf or Junos script<br>Product-Group=junos | On all Junos and Junos OS Evolved platforms, if RPC get-configuration is invoked before RPC request-package-add in the same session of the NETCONF or Junos script, RPC request-package-add will not work.<br><br>*Resolved In:* evo:22.1R3-S3-EVO evo:22.2R2-S2-J3-EVO evo:22.2R3-S1-EVO evo:22.3R2-J1-EVO evo:22.3R2-J2-EVO evo:22.4R1-S2-J3-EVO |