

22.3R3-S2: Software Release Notification for JUNOS Software Version 22.3R3-S2

Alert Description

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Solution

Junos Software service Release version 22.3R3-S2 is now available.

22.3R3-S2 - List of Fixed issues

PR Number	Synopsis	Category: EX4300 PFE
1737587	DDOS log messages will be observed when high traffic is seen Product-Group=junos	The issue is observed on EX4300-24T/EX4300-24P/EX4300-48T/EX4300-48P/EX4300-MP/EX4300-VC platforms when high traffic is seen. There will be no service impact. When this issue occurs, the following log messages can be seen-c17-44 jddosd[9001]: DDOS_PROTOCOL_VIOLATION_SET: Warning: Host-bound traffic for protocol/exception Virtual-Chassis:aggregate exceeded its allowed bandwidth at fpc 0 for 184 times, PDTc17-44 jddosd[9001]: DDOS_PROTOCOL_VIOLATION_CLEAR: INFO: Host-bound traffic for protocol/exception Virtual-Chassis:aggregate has returned to normal. Its allowed bandwidth was exceeded at fpc 0 for 184 times.
PR Number	Synopsis	Category: EX4300 Platform implementation
1734925	EX4300-48MP: Device did not come up with USB image when "request system reboot usb" is issued. Product-Group=junosvae	Request system reboot usb doesn't seem to be supported in Ex4300-48MP.
PR Number	Synopsis	Category: EX2300/3400 PFE
1766314	Memory leak is observed when dot1x authentication is used Product-Group=junos	On EX and QFX5K series platforms, in scenarios where CWA (Central Web Authentication) or Captive Portal are used as the second level of authentication after MAC is authenticated as part of dot1x, memory is leaked in PFE for every http request received at the switch before second level of authentication. When the heap memory utilization crosses 80 percent, a crash is observed and the PFE is restarted with the subsequent impact on the traffic.
PR	Synopsis	Category: EX2300/3400 platform

Number		
PR Number	Synopsis	Category: QFX VC Datapath
1779112	After rebooting the VC device with 100G VCP port traffic drop observed on ipv4 and ipv6 streams Product-Group=junos	When VC is formed with qfx5110-32q and qfx5110-48s, 0.2% traffic drop issue with 40G/100G optics will be seen only with line rate traffic upon reboot
PR Number	Synopsis	Category: SRX Gen-3 RE, leveraged from Point Success Mt.Rainier
1774760	RE switchover observed in SRX5K platforms when ethernet switchports failure scenario on SCB Product-Group=junos	On SRX5K platforms when all ethernet switch ports on Switch Control Board(SCB) fail, it triggers the Routing Engine (RE) switch over and RE0 is stuck in "Disabled" state. As RE0 is disabled and RE1 does have the functionality to coordinate chassis. No PIC will turn up which were failed and triggered the failover and traffic impact will be there for those particular ports and the complete service impact will be there if RE1 had any issue when RE0 is in disable state. RE0 did not recover by its own from the disabled state until manual reboot is done.
PR Number	Synopsis	Category: SPC3 HW and SW Issues
1749584	SRX device will take time to come up in HA or device will go down in standalone setup Product-Group=junos	For SRX Platforms with SPC3 cards in cluster configuration, One of the node in cluster will go down as FPC(Flexible PIC Concentrators) takes extra time to reset. In standalone setup, device will go down.
1753108	The spcd process crash will be observed which will restart the SPC3 cards Product-Group=junos	On Junos SRX5K platforms with SPC3 cards, spcd process crash will be observed due to a context switching of an internal thread. The spcd process crash will restart the SPC3 cards which would impact the traffic through the affected card.
PR Number	Synopsis	Category: OAM support on ACX
1746304	Node-segment reachability will be lost in Multitopology based IS-IS Product-Group=junos	On all Junos and Junos OS Evolved platforms, in a Segment Routing MPLS(Multi Protocol Label Switching) environment using IS-IS and an alternate IPv6 unicast topology is configured in addition to the normal IPv4 unicast topology, the node-segment reachability might be lost resulting in traffic loss. This will only happen when the 'family inet6' is configured on the interface without configuring the IPv6 address.
PR Number	Synopsis	Category: ACX GE, 10GE, PoE, IDT framers
1735670	The command "show interfaces diagnostics optics" shows Tx laser as enabled even when the port is administratively down Product-Group=junos	On ACX5448 platforms, the Tx laser is not turned off even if the port is disabled. This can be identified with the command show interfaces diagnostics optics. There is no service impact due to this issue.
PR Number	Synopsis	Category: "agentd" software daemon
1732763	The xmlproxyd crash might be observed when there are multiple collectors Product-Group=junos	The Xmlproxyd crash could be seen if there are multiple collectors subscribing for Xmlproxyd sensors and some or all of the collectors are flapping frequently at the rate of 90 seconds

or so. The occurrence of this issue is rare. The telemetry streaming of Xmlproxyd sensors will be absent during the time Xmlproxyd crashes and restarts on its own. This time could be within 30 seconds or so. Once Xmlproxyd comes up, the telemetry streaming of Xmlproxyd sensors will be resumed automatically.

1752412	gRPC telemetry intermittently miss reporting is_wrap flag Product-Group=junos	On all Junos platforms when telemetry is enabled, gRPC telemetry message contain a metadata flag is_wrap that indicate to the telemetry client that all telemetry data for the specific Xpath is reported for the specific round. This flag may not be reported intermittently in some edge cases.
PR Number	Synopsis	Category: MPC Fusion SW
1746643	FPC process crash will be observed after performing the ISSU Product-Group=junos	On Junos MX platforms with MPC2E-3D-NG, MPC3E-3D-NG and MPC2E NG HQoS line cards with MIC->10x 1GE(LAN) -E SFP, the Flexible PIC Concentrators (FPCs) process crash will be observed after performing the In-Service Software Upgrade (ISSU).
PR Number	Synopsis	Category: SRX2000/50000 issue
1663839	Syslog message CHASSISD_IPC_WRITE_ERR_NULL_ARGS are observed at commit Product-Group=junos	Syslog message CHASSISD_IPC_WRITE_ERR_NULL_ARGS is observed at commit on SRX5K platforms. This is caused by unsupported chassis component connection on SRX5K platforms during commit checks. This syslog message is informational only for SRX5K, and was removed.
1775880	A flowd crash is observed if CP receives the packets due to some hardware memory issue Product-Group=junos	On SRX5K platforms with SPC3 and SPC2 cards, flowd crash will be observed if CP (Central Point) receives the packets due to some hardware memory issue either on IOC (I/O card) or SPC (Services Processing Card) which requires session lookup.
PR Number	Synopsis	Category: australia related kernel issue
1670772	22.2R1:FIPSCC:L2HA:After RG0 failover, node priority are set to zero for node0 with Relinquish monitoring failure. Product-Group=junos	After RG0 failover, node priorities are set to zero for both nodes with Relinquish monitoring failure. Expected behaviour is, RG0 Failover should happen gracefully without node priority being disturbed. Issue is seen after image upgrade and perform RG0 failover to node1 and/or fallback to node0. Issue is seen on latest 22.2R1.6 and 22.2R1.7 build. Issue is seen only when HA Link encryption feature is enabled to secure communication between primary and backup node Issue is not seen during fresh bringup of L2HA cluster Issue not seen in 22.3 releases L2HA device here is combination of RE3+SCB4+SPC3+IOC4.
PR Number	Synopsis	Category: PFE issue for flowd on australia SPU
1726888	SNMP MIB walk for ipSystemStatsTable takes a long time to dump the output Product-Group=junos	When polling ip SystemStatsTable, the responses have noticeable delay
1727027	The datapath-debug packet-dump feature is not capturing the transit traffic packets Product-Group=junos	On SRX5000 platforms with IOC3 card (SRX5K-MPC3-100G10G and SRX5K-MPC3-40G10G), datapath-debug packet-dump will stop capturing the transit traffic packets when datapath-debug packet filters with packet-dump are targeting the traffic on the interface which is configured with firewall filters.

PR Number	Synopsis	Category: BBE Advanced Services related issues
1735560	The bbe-smgd crash can be seen in a certain scenario Product-Group=junos	On Junos MX platforms supporting subscriber services, the bbe (broadband edge)-smgd (subscriber management daemon) crash can be observed due to memory consumption which will impact subscribers from bringing up.
PR Number	Synopsis	Category: BBE interface related issues
1734564	Junos OS: MX Series: Memory leak in bbe-smgd process if BFD liveness detection for DHCP subscribers is enabled (CVE-2024-21587) Product-Group=junos	An Improper Handling of Exceptional Conditions vulnerability in the broadband edge subscriber management daemon (bbe-smgd) of Juniper Networks Junos OS on MX Series allows an attacker directly connected to the vulnerable system who repeatedly flaps DHCP subscriber sessions to cause a slow memory leak, ultimately leading to a Denial of Service (DoS). Please refer to https://supportportal.juniper.net/JSA75725 for more information.
PR Number	Synopsis	Category: BBE network stack related issues
1729913	DHCP subscribers are stuck in DHCP-Renew state when 'overrides always-write-giaddr' is enabled Product-Group=junos	On all Junos platforms supporting DHCP (Dynamic Host Configuration Protocol), when 'overrides always-write-giaddr' option is enabled on the DHCP relay, checksum is not computed properly causing the DHCP renew to fail and subscribers getting stuck in 'Requesting' state.
1751656	ARP learning issue for dynamic ARP entry for the DVLAN stacked frame route not resolved Product-Group=junos	On MX platforms with Subscriber Management and knob "ipoe-dynamic-arp-enable" configured, the L2 (MAC address) in the frame route will be incorrect due to which traffic flow for VLAN subscribers will get impacted as dynamic ARP entry for the DVLAN (Dynamic VLAN) stacked frame route won't get resolved resulting in ARP learning issue.
PR Number	Synopsis	Category: Bi Directional Forwarding Detection (BFD)
1698373	A few BFD sessions might flap after FPC reload and stabilization Product-Group=junos	On all Junos platforms and Junos Evolved with scaled BFD sessions, FPC reload/restart results in few BFD session flap.
PR Number	Synopsis	Category: Border Gateway Protocol
1692320	Deletion and addition of BGP transport-class caused the rpd crash Product-Group=junos	On all Junos and Junos Evolved platforms deletion and addition of transport-class on top of BGP CT configuration and NSR configuration the rpd crash seen. commit synchronization process during config commit doesn't work for auto-created routing instances, created by BGP-CT transport classes.
1695050	The rpd process crash is seen when logical systems shutdown does not complete Product-Group=junos	On all Junos and Junos Evolved platforms, when logical systems is configured with 'family route-target', there is a certain corner case scenario where logical systems shutdown does not complete on a 'deactivate logical-system' causing rpd process crash.
1732087	The rpd process will crash in a scaled BGP setup with	On all Junos and Junos Evolved platforms in a scaled Border

traceoptions configured
Product-Group=junos

Gateway Protocol (BGP) setup with different Hold timers and BGP trace options enabled, the rpd process will crash when multiple BGP sessions are enabled/disabled.

1737679	The rpd crash files are seen due to a use-after free of objects 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.
1750441	Junos OS and Junos OS Evolved: A malformed BGP tunnel encapsulation attribute will lead to an rpd crash (CVE-2024-30395) Product-Group=junos	An Improper Check for Unusual or Exceptional Conditions vulnerability in Routing Protocol Daemon (RPD) of Junos OS and Junos OS Evolved allows an unauthenticated, network-based attacker to cause Denial of Service (DoS). Please refer to https://supportportal.juniper.net/JSA79095 for more information.
1758179	The rpd process will crash when L3VPN and eBGP advertise the same route Product-Group=junos	On all Junos and Junos Evolved, in an interception of per-prefix-label and Carrier supporting Carrier (CsC) scenario, if prefix is received both from eBGP-LU and iBGP, the rdp process will crash breaking routing application services.
1775548	The rpd crash can be seen with a scaled BGP sharding setup Product-Group=junos	On all Junos and Junos OS Evolved platforms the rpd (Routing Protocol Daemon) crash can be seen in scaled setup. The issue will be seen in the BGP (Border Gateway Protocol) RIB (Routing Information Base) sharding scenario. This issue is very unlikely to be encountered.
1779533	The RPD crash is observed on Junos and Junos Evolved platforms in Route Reflector scenario Product-Group=junos	On all Junos and Junos Evolved platforms, the RPD (Routing Protocol Daemon) crash can be seen in BGP-multipath scenario if it has more than 512 routes for a prefix. The RPD crash will cause a traffic drop but the system will self-recover.
PR Number	Synopsis	Category: Track PRs in BGP programmability area using JET APIs.
1699356	The rpd core will be seen when the route monitor stream times out Product-Group=junos	On all Junos and Junos Evolved platforms supporting prpd (programmable routing protocol process), when the route monitor stream times out because of any reason, rpd (routing protocol daemon) core will be seen.
PR Number	Synopsis	Category: Track PRs in BGP BMP area & is part of BGP inside RPD.
1764911	High rpd CPU is seen when two BMP stations share the same station-port Product-Group=junos	On all Junos and Junos Evolved platforms, the rpd runs at a high CPU when two BMP stations (one for IPv4 and the other for IPv6) share the same station port. This is an unsupported feature. The protocols running on RE may have degraded response time, due to the high CPU. Traffic going through the PFE won't have any impact.
PR Number	Synopsis	Category: BBE Remote Access Server
1740912	Subscribers sessions are logged out after performing GRES Product-Group=junos	On MX platforms with subscriber management scenario, subscribers sessions are logged out in the backup Routing Engine (RE) after performing Graceful Routing Engine Switchover (GRES) .
PR	Synopsis	Category: MX304 Chassis specific platform

Number		
1731237	MX304 Major Alarm " Host 0 detected AER correctable error" after RE switchover. Product-Group=junos	MX304 Major Alarm " Host 0 detected AER correctable error" after RE switchover.
PR Number	Synopsis	Category: Virtual-chassis platform/chassisd infrastructure PRs for MX
1774302	MXVC:MPC10E can not reach VC-Mm when re1 is VC-Mm Product-Group=junos	MXVC:MPC10E can not reach VC-Mm when re1 is VC-Mm. The issue happens only for Linux Based cards and Ukern ie non Linux based cards will work fine.
PR Number	Synopsis	Category: MX2010 platform software
1774558	"FI: Cell underflow at the state stage" and "FI: Reorder cell timeout" error is seen impacting forwarding traffic on all MX platforms Product-Group=junos	On all MX platforms with MPC9E line card and Packet forwarding Engine (PFE) Application-Specific Integrated Circuits (ASIC) based fabric, if image upgrade is performed then FPC reports "Cell underflow at the state stage" and "reorder cell timeout" messages and live forwarding traffic will be dropped as due to some internal scenarios 200G idles are getting programmed instead of 400G on Switch Processor Mezzanine Board (SPMB).
PR Number	Synopsis	Category: Class of Service
1757003	Junos OS: MX Series: In a scaled subscriber scenario if CoS information is gathered, the mgd processes get stuck (CVE-2024-21610) Product-Group=junos	An Improper Handling of Exceptional Conditions vulnerability in the Class of Service daemon (cosd) of Juniper Networks Junos OS on MX Series allows an authenticated, network-based attacker with low privileges to cause a limited Denial of Service (DoS). Please refer to https://supportportal.juniper.net/JSA75751 for more information.
1779004	cosd process may cause high CPU utilization due to continuous polling of 'rbeb' psuedo interface via SNMP. Product-Group=junos	cosd process may cause high CPU utilization due to continuous SNMP polling of 'rbeb' psuedo interface via JnxCosMib.
PR Number	Synopsis	Category: Enhanced Broadband Edge support for cos
1769800	The traffic shaping rate gets impacted in a subscriber scenario on Junos MX BBE platforms Product-Group=junos	The traffic shaping rate gets impacted on Junos MX BBE (Broadband Edge) platforms configured with COS (Class Of Service) and when TLV (Type, Length, and Value)#98 is configured on the external OLT (Optical Line Terminal) (which is most likely a default on the OLT in case PON (Passive Optical Network) TLV are activated) for PPPoE-IA (Point-to-Point Protocol over Ethernet) IFLset (interface-set) of the IFD (Interface Device) which allows a single subscriber to limit the throughput of the entire interface.
PR Number	Synopsis	Category: QFX Access Control related
1778056	Core dumps for pfex and dot1x seen due to dot1x authentication Product-Group=junos	On all Junos platforms, core dumps for Pfex and dot1x will be seen, when dot1x is authenticated. It is a scenario of basic authentication where EAP (Extensible Authentication Protocol) packets are being received from the client.

PR Number	Synopsis	Category: QFX Control Plane VXLAN
1758783	Traffic is black-holed on QFX5K platforms in EVPN-VXLAN scenario Product-Group=junos	On Junos and Junos Evolved QFX5K platforms, under certain circumstances, the l2ald does not update Virtual Tunnel Endpoint (VTEP) ifl tokens in the kernel which passes them on to Packet forwarding engine (PFE). These tokens are used to create Virtual Port Link Aggregation (VPLAG) next hops in these platforms. Without them, Media Access Control (MAC) routes are incomplete or not created, leading to traffic drop.
PR Number	Synopsis	Category: PMB (AMD) PR for 1G/10G LC
1722823	The FPC crash is observed on Junos MX10008 platform when connected to non-Juniper SFP Product-Group=junos	On Junos MX10008 platform, the FPC (Flexible PIC Concentrator) crash will be observed when connected to non-Juniper SFP (Small Form-factor Pluggable) and it will lead to traffic loss.
PR Number	Synopsis	Category: Device Configuration Daemon
1726073	Traffic loss due to PFE table not getting updated when new VLANs are added in an interface under ESI configuration Product-Group=junos	On all Junos and Junos OS Evolved platforms, the IFF (Interface family) change message is not propagated to the PFE (Packet Forwarding Engine) under the ESI (Ethernet Segment Identifier) configuration scenario.
1757801	High memory utilization is observed on all Junos platforms Product-Group=junos	On all Junos platforms, the device control daemon (dcd) consumes some memory when a new configuration related to any protocol is added and it is not freeing up the memory. This resulted in a high dcd memory utilization.
1757936	Services using the management interface will be affected on all Junos platforms Product-Group=junos	On all Junos platforms, the default management IFL (unit 0) and IFF (ethernet-switching/vpls) will not be created when management IFL (Logical Interface) is configured to get address from DHCP and when user provided management IFL configuration is deleted.
PR Number	Synopsis	Category: CoS support on DNX
1732509	The IPv4 classification and EXP remarking might not work as expected in the IP-MPLS scenario Product-Group=junos	On Junos ACX710 and AX5448, Multi-protocol label switching Experimental (MPLS EXP) marking will not work as expected with IPv4 traffic which causes the traffic to be wrongly classified.
PR Number	Synopsis	Category: ACX IFL, IFF creation
1764083	Interface flaps leading to PFE crash due to FPC heap corruption Product-Group=junos	Frequent interface flaps will lead to the PFE (Packet Forwarding Engine) crash. This issue is seen because two threads simultaneously access the same memory location.
PR Number	Synopsis	Category: DNX VPLS
1734600	After issuing clear vpls mac table command preceded with clear mpls statistics command execution on ACX routers, traffic loss is observed with the failed error message Product-Group=junos	On all Junos ACX platforms, while issuing the "clear mpls statistics" and then "clear vpls mac table" commands, error messages are observed and traffic loss is seen as the mpls port addition operation fails.

PR Number	Synopsis	Category: EVO Class of Services
1766873	Duplicate code points through code-point-aliases under a classifier results in cosd crash Product-Group=junos	On all Junos Evolved platforms, the class-of-service (COS) commit validation is missing for classifier when using code-point-aliases. Configuring duplicate code-point-aliases and using them in a classifier will result in the cosd crash. The system can be recovered by correcting the config and applying the "restart class-of-service" command.
PR Number	Synopsis	Category: EVO L2 Control Plane PRs
1749191	Some of the MAC addresses are not learned in EVPN-VXLAN scenario Product-Group=junos	On all Junos and Junos Evolved platforms configured with EVPN-VXLAN (Ethernet Virtual Private Network-Virtual Extensible Local Area Network) when network events such as interface flap/BFD (Bidirectional Forwarding Detection) flap etc. leads to overlay BGP (Border Gateway Protocol) / EVPN flap and results in VTEPs (VXLAN Tunnel Endpoint), IFLs (Logical Interface), IFFs (Interface Family) and IFBDs (Interface Family Bridge Domain) corresponding to remote MH (Multi Home) peers to be deleted and causes new ones to be recreated, it is observed that even though MAC address is received it is not being programmed which results in missing entries of MAC addresses in the MAC table.
1749745	The MAC learning process is impacted and l2ald gets stuck when scaled L2 services and telemetry are configured Product-Group=junos	On all Junos Evolved platforms having scaled L2 (Layer 2) services and telemetry is enabled, under a rare scenario, it is seen that the l2 daemon is getting stuck due to which the show commands served by l2ald are not working and MAC (Media Access Control) addresses are not getting learned which leads to traffic drop.
1769086	Data center interconnect configuration addition needs to be non-catastrophic. Product-Group=junos	Adding interconnect configuration can be catastrophic behaviour which means BD (Bridge domain) and routing instance object will be deleted and added back, during this window there will be traffic drop.
PR Number	Synopsis	Category: mgd, ddl, odl infra issues
1752374	Subsequent commits hang will be seen, when transfer-on-commit fails Product-Group=junos	On all Junos Evolved platforms, When transfer-on-commit is configured and it fails as the destination is unreachable or invalid, commit lock taken by automatic rollback commit is not released. Due to this, subsequent commits result in a hung state.
PR Number	Synopsis	Category: EVPN control plane issues
1704286	The VPN traffic loss will be seen in EVPN-VXLAN scenario Product-Group=junos	On Junos and Junos OS Evolved platforms in a type 5 EVPN - VXLAN scenario with GR (Graceful Restart) enabled when rpd is restarted on a PE (Provider Edge) device that advertises prefixes in VRF.inet to other DCs (Data Centers) via EVPN type 5 route, the PE prematurely sends EOR (End-of-RIB) message to EVPN peers before it has learned all the VPN prefixes in a VRF. This results in traffic loss on EVPN peers until VPN prefixes are relearnt.
1722102	L2alm sends IPv6 NS with IRB link local address even	On Junos and Junos Evolved platforms configured with EVPN-

	though target IP is global address Product-Group=junos	VXLAN, EVPN-MPLS, it is observed that L2alm sends IPv6 NS(Neighbor Solicitation) with link local address even through target IP is global address.
1734686	While doing a migration from VPLS to EVPN, when any changes are done like FPC restart or device reboot, the crash is observed Product-Group=junos	On all Junos platforms, After migration from VPLS (Virtual Private LAN service) to EVPN (Ethernet Virtual Private Network), when any catastrophic change or FPC (Flexible PIC Concentrator) is restarted, the crash is observed.
1761852	The rpd can crash on all Junos platforms in Seamless DCI scenario Product-Group=junos	On all Junos platforms, a crash can be seen for the rpd (routing process daemon) in EVPN (Ethernet Virtual Private Network) seamless DCI (Data Center Interconnect) scenario when the 'evpn interconnect' and the BD (Bridge Domain) configuration are deleted in the same commit. There will be traffic loss when the rpd crashes but the system will self-recover.
PR Number	Synopsis	Category: EVPN Layer-2 Forwarding
1751386	Re-ARP is not sent before MAC entry expires in EVPN environment on Junos MX platforms Product-Group=junos	On Junos MX240, MX304, MX480, MX960, MX2010, MX2020, MX10004, MX10008 platforms with MPC10/MPC11/LC9600 line cards, Re-Address Resolution Protocol (Re-ARP) is not sent before Media Access Control (MAC) entry expires. It causes a service impact in Ethernet Virtual Private Network- Virtual eXtensible Local-Area Network (EVPN-VxLAN) scenario with IRB (Integrated Routing and Bridging) and BD (Bridge Domain) configured.
1770407	The l2ald crash will be seen in EVPN-MPLS scenario Product-Group=junos	On all Junos and Junos OS Evolved platforms with EVPN-MPLS configured, when a BD(Bridge Domain) is not included in "vrid-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.
1773734	Traffic flooding is observed due to MAC-IP deletion by l2alm in the EVPN-VXLAN / EVPN-MPLS environment Product-Group=junos	On Junos and Junos Evolved platforms, in the EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) / EVPN-MPLS (Ethernet VPN-Multiprotocol Label Switching) environment when l2alm (Layer 2 Address Learning Manager) deletes the MAC-IP (Media Access Control - Internet Protocol Address) entry but doesn't re-add the MAC-IP entry right away leads to traffic flooding i.e. might result in congestion, packet looping, and packet drops.
PR Number	Synopsis	Category: Control plane EVPN multicast
1738355	Multicast will not work if one or more VLANs are removed from the interface having multicast configured Product-Group=junos	On all Junos QFX5K and EX4K platforms with igmp-snooping configured, if one or more VLANs are removed from the interface having Multicast configured results in Multicast will not work. The issue happens in the EVPN-VxLAN (Ethernet VPN - Virtual Extensible LAN) environment with Multicast configuration.
PR Number	Synopsis	Category: EX4100 PFE
1744190	Virtual Chassis formation will not happen automatically on all EX platforms except EX4400 after zeroize Product-Group=junos	Virtual Chassis members are not forming Virtual Chassis on all EX platforms except EX4400 due to cross connection of VC links in specific ring topology setup after zeroize. Each device will function as standalone.

1770448	[EX46/QFX5K]MTU Errors are counted when receiving packets up to 4 bytes in MTU Product-Group=junos	When receiving packets from MTU + 1 bytes to MTU + 4 bytes on L2 interfaces, packets is transmitted. but MTU errors are counted
PR Number	Synopsis	Category: EX4100 RE, Platform Infra, Drivers
1724086	TDR fails on EX4100 platform Product-Group=junos	On EX4100 platform, Time Domain Reflectometry (TDR) fails for the first 24 interfaces.
1747277	Soft OIR of the link connected to 10GBASE-T SFP will not update the link state at the other end Product-Group=junos	On EX4400, EX4100, and QFX5120-48Y platforms, soft Online Insertion and Removal (OIR) of the link connected to 10GBASE-T Small Form-Factor Pluggable (SFP) will not disable the transmission on JNP-SFPP-10GE-T transceiver and the link state of the other end will not be updated. False link state could lead to service impact.
1756750	Interface on the server side activates during switch boot-up process on EX4100 platforms Product-Group=junos	On Junos EX4100 platforms, interface on the server side activates during switch boot-up process .
PR Number	Synopsis	Category: EX4400 PFE software
1757160	Multicast traffic may be dropped if both bpdu-block-on-edge and igmp-snooping are configured. Product-Group=junos	On EX2300, EX3400, EX4300MP, EX4100, and EX4400 Platforms in a Virtual Chassis (VC), multicast traffic in the Local Network Control Block (224.0.0.0/24) may be dropped on VC ports if both bpdu-block-on-edge and igmp-snooping are configured.
1759821	The configuration was not applied correctly to set the transmit-rate to the same speed as the interface speed Product-Group=junos	On 1G port if tx rate is applied with 4m(Q0) + 996m (Q1). Config is failed in COSD with the following log and not get pushed to PFE. COSD_TX_QUEUE_RATES_TOO_HIGH: cos_validate_scheduler_shaper_conflict:820 : Unable to apply scheduler map CPE-Transmit-VPN1G-normal-only to interface ge-x/x/x: sum of scheduler transmission rates exceeds interface shaping or transmission rate
1760229	The fxpc process crashes and causes a traffic loss when adding and deleting IRB configuration Product-Group=junos	Traffic loss will be seen on all Junos and Junos OS Evolved platforms when performing IRB (Integrated Routing and Bridging) configuration modifications. When the issue occurs, the fxpc process crashes and generates crash files.
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.
1764085	LLDP neighborhood is not forming in non-master members Product-Group=junos	On Junos QFX and EX platforms, with EVPN VXLAN configured in VC topology, LLDP BPDUs are sent tagged out of remote FPC ports which are member of VXLAN enabled VLAN.
1771111	EX4100/4400 : Error message 'COS default: IEEE 802.1ad defaults not specified' upon commit operation. Product-Group=junos	On EX4100 and EX4400 series switch, error message 'COS default: IEEE 802.1ad defaults not specified' might be observed on commit operation.

1771222	Dynamic VLAN change on one port is affecting forwarding plane traffic on other ports to which no changes were done Product-Group=junos	On QFX and EX platforms, if dot1x is enabled, when dynamic VLAN configuration in the radius server is changed and restored for one port, forwarding plane traffic would be affected on other ports to which no changes were done.
PR Number	Synopsis	Category: EX4400 platform
1682097	Beacon led is not working on EX platforms Product-Group=junos	All beacon LEDs on the specified FPC does not turn on after a request command.
1729464	EX4400: While exporting telemetry data, transceiver data is also streamed when there is no transceiver in device itself. Product-Group=junos	When data is streamed through telemetry, transceiver data is also streamed, even when there is no transceiver in device itself. There is no functional impact. There is no workaround for this issue.
1731146	On EX4400, PIC2 details may not be not displayed for "show snmp mib walk entPhysicalVendorType" output Product-Group=junos	On EX4400, PIC2 details are not displayed for "show snmp mib walk entPhysicalVendorType" output, when PIC2 is present.
1735786	Port LEDs are not working as expected when the mode is changed from default to EN Product-Group=junos	On EX4400, Show chassis LED output for EN mode does not display the physical LED status correctly- Physical LED functionality works as expected.
1737500	On EX4400, request system halt/power-off doesn't turn off FAN LED's Product-Group=junos	On EX4400, request system halt/power off CLI doesnt turn off rear FAN LEDs.
1740024	In virtual-chassis(VC), swapping routing-engine member-id and role with linecard will lead to physical interface down Product-Group=junos	On Junos EX4400 and EX4100 platforms with preprovisioned vc, In case of member-id and role swap between linecard to routing-engine and vice-versa will lead to both mge(Multi-rate Gigabit Ethernet) and ge interfaces creation and physical interface down.
1741724	1G uplinks on EX4400 with pre-existing configuration do not come up after 4X10G ULM insertion Product-Group=junos	On Junos EX4400 platforms, pre-configured 1G ports do not come up after 4X10G ULM (Universal Link Module) insertion event.
1742114	Basic VLAN configuration on EX2300-24MP / EX2300-48MP / EX4400-24MP / EX4400-48MP is missing from factory default configuration Product-Group=junos	On EX2300 and EX4400, on CLI "load factory-default", config loaded does not have VLAN configuration. This is present in the factory default config loaded after zeroize.
1751700	Incorrect egress MTU errors when larger than 1500 byte packets are sent on L2 ports Product-Group=junos	On Junos EX4100 and EX4400 Platforms, incorrect egress MTU errors seen when larger than 1500 byte packets are sent on L2 ports. There is no functionality impact only MTU Error counters incrementing.
1754548	EX4400 Virtual Chassis has boot-up issues Product-Group=junos	EX4400 could be stuck during boot, when one end of the twisted pair cable is connected to the primary console port and the other end is left unconnected/dangling.
1754931	The transceiver fails to get detected after the system reboot Product-Group=junos	On certain EX platforms, when the device is rebooted, transceivers will not be detected. Failing to detect the transceiver results in no IFD.
1773103	TDR link status not consistent in CLI Product-Group=junos	Link status is different from " show diagnostics tdr" and " show diagnostics tdr interface XXX" output.

PR Number	Synopsis	Category: PFE EVPN / VxLAN related issues on EX platforms
1746998	VLAN traffic received over VTEP is being dropped Product-Group=junos	On Junos VC (EX and QFX) platforms, packets coming on VTEP (VXLAN tunnel endpoint) from the core are not sent out when restarting of VC with VxLAN configuration.
1774202	The DHCP client will not be able to get the IP address Product-Group=junos	On Junos EX4300MP platforms, in the Virtual Extensible LAN Layer 3 Gateway (VXLAN L3GW) environment with Dynamic Host Configuration Protocol (DHCP) security configured, the offer packets going towards client-facing interfaces are coming out with an additional vlan tag due to which DHCP bindings will not work.
1776539	VXLAN traffic from remote VTEP with GBP Extension flag is dropped on all Junos EX4400 and QFX5120 platforms Product-Group=junos	VXLAN (Virtual Extensible Local Area Network) encapsulated packets with G-bit set, received from remote VTEP (Virtual Tunnel End Point) are dropped on all Junos EX4400 and QFX5120 platforms. VXLAN traffic is getting dropped when it is received from remote VTEP with GBP (Group Based Policy) Extension flag and is destined to a downstream port which is authenticated using dot1x single-secure or multiple supplicant mode.
PR Number	Synopsis	Category: EX Entry Level Access VC platform
1740064	The interface speed is not updated during reboot on Junos EX platforms Product-Group=junos	
PR Number	Synopsis	Category: Express PFE Services including JTI, TOE, HostPath, Jflow
1730927	PDT:Google: DCPFE core found during AE flap test on PTX1k Product-Group=junos	During heavy network churn (interface flaps, session flaps etc.) PFE crash may be seen when streaming both SR and SRTE stats on PTX JUNOS platforms. Issue is not seen when only SR stats or SRTE stats are enabled.
PR Number	Synopsis	Category: Express PFE L2 fwding Features
1738197	Blackholing of l3-inject traffic on QFX10K platforms Product-Group=junos	On Junos QFX10K platforms, because of any hardware (HW) or chassis management (CM) issue there will be Trinity Offload Engine (TOE) cmerrors. Some cmerrors are classified as MAJOR and the default action for these errors is cmalarm but it will halt the Packet Forwarding Engine (PFE) TOE HW. Due to which PFE is not able to forwards packets to the Application-Specific Integrated Circuit (ASIC) even though it is active and can forward packets.
1739258	The ksyncd process crash would be seen on backup RE Product-Group=junos	On QFX10008 and QFX10016 platforms with IRB(Integrated Routing and Bridging), EVPN-VxLAN(Ethernet VPN-Virtual Extensible LAN) and enhanced-arp feature enabled, high availability will be impacted as backup RE(Routing Engine) will remain down due to ksyncd (kernel synchronization process) failure. In case of switchover, if backup become the new master, then traffic drop will happen.
1770678	Incorrect IFL value resulting in the PFE crash Product-Group=junos	On Junos QFX10K platforms, the PFE crash is observed resulting in traffic loss due to an incorrect IFL (Logical Interface) value while static MAC address programming.

1771879	The IP packet of L2 Unicast MAC and L3 undirected broadcast IP (255.255.255.255) is dropped when sent over an IRB interface Product-Group=junos	On certain Junos QFX platforms, when an IP packet with L2 Unicast destination MAC and L3 undirected broadcast destination IP is received on an IRB (Integrated Routing and Bridging) interface, then the packet is dropped.
PR Number	Synopsis	Category: Enhanced Broadband Edge support for firewall
1719427	The subscribers will be stuck in a terminated state when an FPC is taken offline Product-Group=junos	On MX platforms, If a Flexible PIC Concentrator (FPC) is taken offline while it has Broadband Edge (BBE) subscribers over it, due to timing issues a few subscribers state on the FPC may not get properly cleaned up and will be stuck in a terminated state. This can adversely affect subsequent subscriber logins which fail with an "orphaned filter" error.
PR Number	Synopsis	Category: SRX4100/SRX4200 platform software
1761668	False SNMP traps for power supply unit failure generated on SRX4100 and SRX4200 platforms Product-Group=junosvae	On SRX4100/SRX4200 platforms, false SNMP traps for power supply unit failure generated as instability with the transmission in the hardware.
PR Number	Synopsis	Category: Libjtask for RPD tasks, scheduler, timers, memory, and slip
1692738	On all Junos lsys systems RPD process crashes due to JET client invoking rpc handled by RPD daemon Product-Group=junos	RPD process crash might be seen when the gRPC stack expects a 8 byte aligned memory but gets a 4 byte aligned memory instead.
PR Number	Synopsis	Category: ISIS routing protocol
1753003	The rpd crashes on all Junos and Junos Evolved platforms with IS-IS, segment routing and flex algo configured Product-Group=junos	On all Junos and Junos Evolved platforms, with IS-IS, segment routing and flex algorithm enabled, when the route from ribgroup is deleted due to interface flap, it leads to crash of the infra module as route entry table does not match with the rtbody table (which is passed from IS-IS).
1778841	With protocol ISIS configured, any new LSP generation triggers SPF Product-Group=junos	On all Junos platforms, with ISIS configured, when commit or any operation that attempts for LSP generation, an SPF is triggered.
PR Number	Synopsis	Category: track re issu control procedure bugs
1740744	ISSU doesn't break if INDB crashes Product-Group=junos	On Junos platforms, when ISSU (in-service software upgrade) is initiated, a process called INDB (Incompatible Database) will be triggered to perform a pre-check on database compatibility. There could be some corner case that causes the INDB crash. If that happens, the ISSU should be aborted.
PR Number	Synopsis	Category: jdhcpd daemon
1706709	Junos OS: jdhcpd will hang on receiving a specific DHCP packet (CVE-2023-36842) Product-Group=junos	An Improper Check for Unusual or Exceptional Conditions vulnerability in Juniper DHCP Daemon (jdhcpd) of Juniper Networks Junos OS allows an adjacent, unauthenticated attacker to cause the jdhcpd to consume all the CPU cycles resulting in a Denial of Service (DoS). Please refer to https://supportportal.juniper.net/JSA75730 for more

		information.
1747800	Name-server resolution failure may be seen intermittently after zeroize or loading factory default config Product-Group=junos	On all Junos platforms, name-server resolution failure may be seen intermittently after zeroize or loading factory default config.
1752804	Delay in getting IP through DHCP cause traffic loss Product-Group=junos	On all Junos and Junos Evolved platforms, DHCP IP negotiation will be delayed due to inform processing at Junos relay, when a client sends inform message to server and DHCP server doesn't respond with inform ack message and the client immediately does DORA to obtain IP.
PR Number	Synopsis	Category: JFlow bug tracker for SRX platforms
1749830	SPC3 PIC crash Product-Group=junos	SPC3 PIC will crash when the SPU is in dedicated Cp mode "SPU Cp" and Jflow information is queried by vty command. This fix will prevent jflow related queries from vty when the SPC3 SPU is in dedicated CP mode and jflow is initialized on SPU ins this mode.
PR Number	Synopsis	Category: Adresses ALG issues found in JSF
1750148	Junos OS: SRX5000 Series with SPC2: Processing of specific crafted packets when ALG is enabled causes a transit traffic Denial of Service (CVE-2024-30405) Product-Group=junos	An Incorrect Calculation of Buffer Size vulnerability in Juniper Networks Junos OS SRX 5000 Series devices using SPC2 line cards while ALGs are enabled allows an attacker sending specific crafted packets to cause a transit traffic Denial of Service (DoS). Please refer to https://supportportal.juniper.net/JSA79105 for more information.
PR Number	Synopsis	Category: Flow Module
1755181	Traffic loss is observed for the existing session if there is an update for the next-hop MAC address Product-Group=junos	On SRX5000 series and SRX4600, for flow sessions that are using Express Path (a.k.a. Service Offload), the next-hop MAC address is not updated for existing sessions, when the Address Resolution Protocol (ARP) table entry for the next-hop IP address changes, as a result, traffic is stalled for those existing sessions. This may for example occur on Virtual Router Redundancy Protocol (VRRP) failovers of directly connected routers if they do not use a virtual MAC address or server load balancers failing over the VIP to a new device with a different MAC address. Note that from Junos 21.2 onwards, Express Path is enabled by default.
1756972	CPU utilization calculation is inaccurate on vSRX platform Product-Group=junos	On vSRX platform, when PowerMode IPsec (PMI) is enabled, the CPU displays less utilization compared to the actual utilization value.
1758208	Buffer leak when PMI sends out packet on egress interface with MTU smaller than the packet length Product-Group=junos	On all SRX platforms, when the IPv4/IPv6 packet is larger than MTU of the interface, it leaks the memory buffer.
1760545	The srxpfe process crashes when interface attributes are modified Product-Group=junos	On Junos SRX platforms except for SRX3xx, the 'srxpfe' (packet forwarding engine) crash can be seen which causes traffic loss. This rare issue can be encountered while changing interface configuration with PMI (PowerMode IPsec) enabled.

1761891	Multicast packets of specific size between 663 - 676 bytes getting dropped Product-Group=junos	On SRX platforms, due to the incorrect size of memory allocated in mbuf (Memory Buffer) multicast packets of specific sizes between 663 - 676 bytes get dropped resulting in multicast traffic impact.
1771176	The GTPv2 create session response packets will get dropped Product-Group=junos	On all SRX5K platforms, the source port of the the create session response packet of the General Packet Radio Switching (GPRS) Tunneling Protocol (GTP) version 2 will be changed to as same as the destination port and will be denied by the policy resulting in create session response packets getting dropped.
1776480	The nsd process goes high on primary device when the Tenant System is configured Product-Group=junos	On SRX 1500, SRX4K , SRX5K series platforms and vSRX, the nsd process will remain high on primary device after the reboot of the device or power outage or RG0 failover (in chassis cluster scenario) if Tenant Systems are configured. This can lead to traffic loss and outages in the network.
PR Number	Synopsis	Category: High Availability/NSRP/VRRP
1540654	Both primary and secondary nodes in chassis cluster go into disabled state in HA link down scenario Product-Group=junos	In case of single control link on (SRX5400, SX5600, SRX5800) chassis cluster setup, when HA control link goes down, both nodes go into disable state due to fabric link still UP.
1726753	Traffic loss after RG1 failover Product-Group=junos	On vSRX3.0, after an Redundancy Group (RG1+) failover, packets may be sent from the SRX physical interface's MAC address instead of the Redundant Ethernet interface (reth's) virtual MAC which can result in traffic loss.
PR Number	Synopsis	Category: User Firewall related issues
1755593	Users authenticated via captive portal experience a noticeable delay of atleast 2-5 mins Product-Group=junos	On all SRX platforms, the user-firewall configuration in policy with push-to-identity enabled may cause a delay in web-authenticating the users.
1758332	Junos OS: SRX Series and EX Series: Multiple vulnerabilities in J-Web can be combined to allow a preAuth Remote Code Execution (CVE-2023-36851) Product-Group=junos	A Missing Authentication for Critical Function vulnerability in Juniper Networks Junos OS on SRX Series and EX Series allows an unauthenticated, network-based attacker to cause limited impact to the file system integrity and access confidential information. Please refer to https://supportportal.juniper.net/JSA72300 for more information.
PR Number	Synopsis	Category: IPSEC/IKE VPN
1753782	IPSEC VPN tunnel flaps on all Junos OS SRX platforms when configuration is committed from MIST Product-Group=junos	On all Junos OS SRX platforms IPSEC (Internet Protocol Security) VPN (Virtual Private Network) tunnel re-establishes when the configuration is committed from MIST and the remote-identity type is ASN distinguished-name.
1765321	In chassis cluster setup after failover AAMW status will remain in the Requesting server certificate validation state on the new primary node Product-Group=junos	On all SRX platforms in a chassis cluster setup, when IKE negotiation is dependent on the certificates and because of any reason the Certificate Revocation List (CRL) download fails on the secondary node and failover happens, then on the new primary node Public Key Infrastructure daemon (pkid) will have certification validation issues and the Advanced Anti-Malware (AAMW) status for control plane will remain in 'Requesting server certificate validation' state, impacting Internet Key Exchange (IKE) negotiation and the Internet Protocol Security

(IPsec) traffic.

1773276	IPsec tunnels will not be established due to memory leak Product-Group=junos	On all SRX platforms, due to a memory leak (304 bytes) happening with every Diffie-Hellman (DH) key exchange operation, after some time when QuickAssist (QAT) crypto memory hits the maximum capacity, then the Internet Protocol Security (IPsec)tunnels will fail to establish the connection with peers.
PR Number	Synopsis	Category: Security platform jweb support
1747984	Junos OS: SRX Series and EX Series: Security Vulnerability in J-web allows a preAuth Remote Code Execution (CVE-2024-21591) Product-Group=junos	An Out-of-bounds Write vulnerability in J-Web of Juniper Networks Junos OS SRX Series and EX Series allows an unauthenticated, network-based attacker to cause a Denial of Service (DoS), or Remote Code Execution (RCE) and obtain root privileges on the device. Please refer to https://supportportal.juniper.net/JSA75729 for more information.
1763260	Junos OS: SRX Series and EX Series: J-Web - unauthenticated access to temporary files containing sensitive information (CVE-2024-21619) Product-Group=junos	A Missing Authentication for Critical Function vulnerability combined with a Generation of Error Message Containing Sensitive Information vulnerability in J-Web of Juniper Networks Junos OS on SRX Series and EX Series allows an unauthenticated, network-based attacker to access sensitive system information. Please refer to https://supportportal.juniper.net/JSA76390 for more information.
1779376	Junos OS: SRX Series and EX Series: J-Web doesn't sufficiently sanitize input to prevent XSS (CVE-2024-21620) Product-Group=junos	An Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting') vulnerability in J-Web of Juniper Networks Junos OS on SRX Series and EX Series allows an attacker to construct a URL that when visited by another user enables the attacker to execute commands with the target's permissions, including an administrator. Please refer to https://supportportal.juniper.net/JSA76390 for more information.
PR Number	Synopsis	Category: PFE infra to support jvision
1772266	PFE component of /interfaces/interface/subinterfaces/subinterface/state/ sensor may send data with frequency higher than requested by the collector Product-Group=junos	In a scale configuration, PFE component may send data for "/interfaces/ interface/ subinterfaces/ subinterface/ state/" sensor with frequency higher than requested by the collector.
PR Number	Synopsis	Category: Key Management Daemon
1771009	All the IPsec tunnels impacted due the kmd daemon crash when old dynamic security association_configuration is present Product-Group=junos	On Junos MX80, MX240, MX480, MX960 platforms with Multiservices Modular Interfaces Card (MS-MIC), Multiservices Modular Port Concentrators (MS-MPC) service cards, in an issue where an old dynamic security association_configuration (sa_cfg) for a tunnel is present and trying to establish new sets of Internet Protocol Security Security Association (IPsec SAs) using a new Internet Key Exchange (IKE) SA established for the same remote device but with a different request. This can happen, if for some reason old sa_cfg is not cleaned (failed in clean-up). On crash, the Key Management Daemon (kmd) restarts but fails because of kernel instance mismatch present in the kernel database. So all the IPsec tunnels will be impacted.

PR Number	Synopsis	Category: Layer 2 Control Module
1763053	LLDP neighborhood will not be formed on all Junos devices Product-Group=junos	On Junos and Junos OS Evolved platforms, LLDP (Link Layer Discovery protocol) neighborhood will not come up on local device if the local device is using Junos version lower than 22.3 and remote device is using Junos version 21.4R3-S2 and its subsequent service releases or version higher than 22.3.
PR Number	Synopsis	Category: Layer2 forwarding on EX/NTF/PTX/QFX
1707878	Mac entry not ageout in RTG in EX4600-VC after VCP port reconnect Product-Group=junos	EX4600 with Redundant Trunk Group (RTG) configured, after VCP port between members of EX4600 disconnect and connect again. Mac address entry created in RTG cannot ageout.
PR Number	Synopsis	Category: lacp protocol
1773702	MC-LAG will not work as expected on all platforms Product-Group=junos	On all Junos and Junos OS Evolved platforms, due to mis-wiring or unexpected design in MC-LAG topology, when all the Multi-Chassis Link Aggregation (MC-LAG) nodes including Customer Edge (CE) devices are rebooted at once, MC-LAG will not work as expected.
PR Number	Synopsis	Category: Issues related to Junos licensing infrastructure
1721757	Uncleared alarm observed when any capacity license is used and installed multiple times Product-Group=junos	On Junos EX and MX platforms, when any capacity license is used and installed multiple times, causes uncleared alarm.
1759618	License-service crash is seen on Junos OS Evolved platforms Product-Group=junos	On Junos OS Evolved platforms, when license with unknown feature ID/platform reserved feature ID is added via configuration set system license keys key and then if License-service is restarted or system is rebooted or software upgrade is done then license service crashes and crash files are seen. This is a non service impacting issue.
1771376	License missing on VC member after reboot Product-Group=junos	License will be lost on VC (EX4300/QFX) in non-preprovisioned set-up if member 0 is rebooted.
1775463	The RE goes into amnesiac mode upon license check validation failure Product-Group=junos	On all Junos and Junos Evolved Platforms, the RE (Routing Engine) goes into amnesiac mode upon reboot if node locked license is configured via the "set system license keys key <>".
PR Number	Synopsis	Category: SW PRs for MPC10E Interfaces
1719682	LACP interface will be down after aggressive link flaps with 100ms interval Product-Group=junos	When link flaps repeatedly within a very short time frame on 100G interface on MPC10E line card supported platforms(MX240,MX480,MX960,MX2010,MX2020), traffic stops egressing the affected interface and report syslog messages during link down event. When there are continuous flaps and if those flaps are very fast under 1 second and continuous then this issue will be seen.
PR Number	Synopsis	Category: MPC11 ULC fabric software related issues.

1753374	MPC11E suddenly goes offline due to power failure causing multitude fabric stream drain failures on all other MPC11 Product-Group=junos	If you have 2 or more MPC11 cards installed and a full mesh traffic flow and one MPC11 suddenly goes offline due to power failure, the other MPC11E cards might report fabric drain failure and a reboot of the line cards is needed to recover.
PR Number	Synopsis	Category: Multiprotocol Label Switching
1773796	The LSP name and bandwidth values are displayed continuously in "show mpls lsp autobandwidth name X" command Product-Group=junos	In "show mpls lsp autobandwidth name X" command when the name of the Link State Packet (LSP) is greater than 21 characters, the first column with LSP name and the second column with the Last bandwidth are merged.
PR Number	Synopsis	Category: Multicast Routing
1769782	The rpd crash is observed when mvpn-mode is configured as "rpt-spt" and multicast snooping is enabled Product-Group=junos	On Junos OS Evolved platforms, when mvpn-mode (Multicast Virtual Private Network) is configured as "rpt-spt" (Rendezvous-point tree - Shortest-path tree) and multicast snooping is enabled, the rpd crash is observed. The issue happens when the routing process tries to obtain the source address on processing the multicast <*,g> route.
1777774	The rpd process crash is observed when MVPN PE receives PIM join messages from the remote peers Product-Group=junos	On all Junos Evolved platforms, when MVPN (Multicast Virtual Private Network) configured device receives PIM join or IGMP report from the remote peer installs route in next-hop and not in multicast composite next-hop, causing the rpd process to crash.
PR Number	Synopsis	Category: Multicast for L3VPNs
1709175	MVPN sender site not working with IR tunnels configured Product-Group=junos	On all Junos and Junos Evolved platforms, MVPN (Multicast Virtual Private Network) sender site having IR (Ingress Replication) tunnel configured, due to software issue, type 1 route is not being sent and egress node is observed to not accept traffic from unknown neighbor.
PR Number	Synopsis	Category: MX Timing software
1740709	SyncE FSM moves to unexpected state during clock selection Product-Group=junos	On Junos MX240/480/960/2010 platforms, a restart of non-PTP/Non-SyncE FPC while the SyncE clock selection is in progress, SyncE or PTP may be affected during this scenario.
1750316	SyncE stuck in holdover upon PTP slot switchover without change in PTP phase align state Product-Group=junos	SyncE stuck in holdover upon PTP slot switchover without change in PTP phase align state.
1752550	Unexpected behavior will be observed while PTP configured Product-Group=junos	When you update an existing PTP configuration to use G.8275.1.enh and PTPoIPv4, on Aggregate Ethernet interfaces with member links across multiple line cards, may be out of sync on different line cards. You can see the alarm - "Simultaneously PTPoE & PTPoIP master/stateful streams not allowed on same line-card" - even though you have PTPoE and PTPoIPv4 on different line card
1755479	CLI output is not correct during SyncE down PTP intact scenario	On MX240/MX480/MX960 platforms, the CLI output is incorrect when SyncE is down and PTP is intact.

Product-Group=junos

1765772	FPC crash will be observed when issuing PIC offline/online commands Product-Group=junos	On MX240/MX480/MX960/MX2010/MX2020 platforms with MPC7,8,9,10E, when issuing Physical Interface Cards (PICs) offline/online commands, Flexible PIC Concentrators (FPC) cores will be observed that causes FPCs to be restarted.
PR Number	Synopsis	Category: Odin Timing software
1745604	[TWM Clocking Solution] - chassis clock status should not move to "holdover" while switching between PTP path alone Product-Group=junos	[TWM Clocking Solution] - chassis clock status should not move to "holdover" while switching between PTP path alone
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 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.
1752151	The ksyncd process crashes with replication error after performing restart routing Product-Group=junos	On Junos platforms with dual RE (Routing Engine), VRRP (Virtual Router Redundancy Protocol) configuration, GRES (Graceful Routing Engine Switchover) and NSR (Non-Stop Routing) enabled, ksyncd (Kernel Synchronization Daemon) process will crash post performing routing restart or rebooting master RE. This ksyncd process crash happens due to replication error on backup RE and will recover on its own. There will be no service impact on master RE.
1763706	Routing Protocol session down with native VLAN configuration on MX platforms Product-Group=junos	On certain Junos MX platforms, the IS-IS (Intermediate System to Intermediate System) sessions will not come up/keep flapping when the native VLAN (Virtual Local Area Network) is configured on the associated l3 interface. There will be traffic loss due to the routing protocols being down and the workaround for the issue is to remove the native VLAN configuration.
PR Number	Synopsis	Category: "ifstate" infrastructure
1767098	Prolonged SNMP polling leads to kernel crash in SCU/DCU scenario Product-Group=junos	On all Junos platforms with SCU (Source Class Usage)/DCU (Destination Class Usage), SNMP (Simple Network Management Protocol) polling continuously for a longer duration will crash the kernel and affect network traffic.
PR Number	Synopsis	Category: JUNOS Network App Infrastructure (for ping, traceroute, etc)
1746779	show system connections show-routing-instances; reports all routing-instances as unknown. Product-Group=junos	Show system connections show-routing-instances; reports all routing-instances as unknown.

PR Number	Synopsis	Category: PFE Peer Infra
1747077	Due to timing issues, PFE/PICs will be slow and traffic will be impacted on all Junos platforms Product-Group=junos	On all Junos platforms, due to timing issues the PFE (Packet Forwarding Engine) /PICs (Physical Interface Card) will be slow and services will face slowness issue and error message: 'Minor potential slow peers are: X' will be seen. This is rare timing issue.
PR Number	Synopsis	Category: TCP/UDP transport layer
1761242	TCP window scaling may be not applied to the first TCP packet sent to the client after the three-way handshake, leading to unnecessary segmentation. Product-Group=junos	On all JUNOS platforms, the first TCP packet sent by Junos to the client after the three-way handshake may be unnecessarily segmented due to TCP window scaling option being not applied even if it was negotiated.
PR Number	Synopsis	Category: Kernel Tunnel Interface Infrastructure
1712352	Master and Backup RE synchronization issue will be seen if chassisd is restarted on Master RE Product-Group=junos	On all Junos platforms with GRES (Graceful Routing Engine Switchover) and NSR (Non Stop Routing) enabled, Master and Backup RE (Routing-Engine) synchronization issues will be seen when chassisd (Chassis process) is restarted on Master RE. The ksyncd (Kernel Synchronization) process crash will be observed on the backup RE. If failover happens post this event, traffic would be impacted. This is a rare issue.
1743306	FTI interface status (up/down) does not sync between master and backup RE. Product-Group=junos	FTI IFD's and IFL's are not cleaned up on new backup in a switchover where graceful-switchover is not configured. This leads to mismatch between interface status or even commit error. However, with gres config "set chassis redundancy graceful-switchover", no issue is seen.
PR Number	Synopsis	Category: Express Chip L3 software
1740190	Page allocation and next-hop installation failures on Junos PTX and QFX Product-Group=junos	On certain PTX and QFX platforms, when unicast/multicast and Point-to-multipoint communication (P2MP) next-hops are present at a high scale, which leads to page allocation failures to f-label page allocation and next-hop installation failures, eventually leading to traffic loss.
1756672	Learning stops in logical interface in QFX10K platforms Product-Group=junos	On Junos QFX10K platforms from 21.2 release, when there are more than four SP style logical interface configured with same vlan or with vlan-id-list, then issue is seen in logical interfaces.
1761579	The FPC will crash on Junos PTX platforms in a rare timing issue Product-Group=junos	On Junos PTX platforms with with FPC3, JNP10K-LC1101, JNP10K-LC1102, JNP10K-LC1104, JNP10K-LC1105 and PTX10000, during a rare race condition in hostbound packet handler thread, the FPC (Flexible PIC Concentrator) might crash leading to all the interfaces going down. The exact trigger for this issue is unknown.
1761887	ECMP traffic drop after the AE interface flap Product-Group=junos	On Junos OS PTX and QFX platforms, in a race condition after the AE (Aggregated Ethernet) interface flap, PFE (Packet Forwarding Engine) will not update unilist next-hops with flapped AE next-hop correctly, causing ECMP (Equal-Cost Multi-Path) traffic drop.

PR Number	Synopsis	Category: Express Paradise PFE Sflow
1741461	Enabling sflow triggers ddos-protection violation of protocol group resolve Product-Group=junos	On all Junos based QFX platforms, when sflow is enabled with ECMP, ddos-protection violation of protocol group resolve is triggered. Sampled packets will be dropped and sflow will stop sending packets to the collector. This is a non-service impacting issue, however sflow will be impacted.
PR Number	Synopsis	Category: vpls on branch (jseries and srx) platforms
1712161	SRX3xx series may stop responding to SNMP requests when a wireless mPIM is installed. Product-Group=junos	SRX3xx series may stop responding to SNMP requests when a wireless mPIM is installed. The wireless card times out responses to system SNMP requests which may then lock up SNMPD. There is no workaround, but recovery is to restart snmpd.
PR Number	Synopsis	Category: Phone-Home-Client Infrastructure
1743222	After ZTP process, the configuration fetch from the script path in event-options is impacted Product-Group=junos	On EX4300-MP platforms, when event-options are configured and ZTP (Zero Touch Provisioning) is performed, the configurations are not retrieved as the script path is not configured properly.
PR Number	Synopsis	Category: QFX access control list
1750828	The PFE process crashed while removing and applying the firewall filters Product-Group=junos	On Junos QFX5K/EX (except EX4300) platforms, the Packet Forwarding Engine (PFE) crash is observed while applying the firewall filters.
PR Number	Synopsis	Category: DHCP related Issues
1711525	DHCPv6 packets could not be forwarded if it contains the trailer or extra bytes out of the IP stack Product-Group=junos	On all Junos QFX5K and EX platforms with DHCPv6 (Dynamic Host Configuration Protocol) relay configuration, IPV6 (Internet Protocol) assignment could not take place as the DHCPv6 solicit packets containing extra bytes in DHCPv6 header trailer are not getting forwarded to the DHCP server.
PR Number	Synopsis	Category: QFX L2 PFE
1718095	Deleting the MAC-VRF routing instance will lead to a traffic drop for other routing instances Product-Group=junos	On Junos QFX5K and EX platforms configured with EVPN-VXLAN (Ethernet Virtual Private Network-Virtual Extensible LAN), deleting instance-type MAC-VRF for a routing instance will lead to the traffic drop for the other MAC-VRF routing instances as well.
1722210	The logs are added to print the value of type and subtype of ipc message when 'CLKSYNC: ipc error 1000 in clksync_ipc_send_msg ' error occurs Product-Group=junos	On Junos platforms, the logs are added to print the value of type and subtype of ipc message when 'CLKSYNC: ipc error 1000 in clksync_ipc_send_msg ' error occurs.
1759875	Generate an empty file whose name is secondary_vlan when executing RSI. Product-Group=junos	After executing "request support infomation save " command, unexpected file will be generated.
1763116	VPLAG information not installed correctly in hardware	On QFX5k and EX4100, EX4300, EX4400, and EX4650 platforms in

results in traffic flooding
Product-Group=junos

the EVPN-VXLAN environment, when the underlay links flaps are observed followed by IPC (Interprocess communication) out-of-order events lead to VPLAG (Virtual Port Link Aggregation) information not correctly installed in hardware resulting in traffic flooding.

1771183	Memory leak observed on non-local FPC for Junos QFX5K and EX platforms Product-Group=junos	On Junos QFX5K and EX platforms in virtual chassis (VC), memory leak happens for non-local Flexible PIC Concentrators (FPC) when delete/detach of interface is performed.
PR Number	Synopsis	Category: QFX L3 data-plane/forwarding
1742763	Traffic drop will be observed after extended-vni-list configuration change with EVPN-VXLAN scenario Product-Group=junos	On Junos QFX5100/QFX5110/QFX5120/QFX5200/QFX5210/EX4100/EX4300-MP/EX4400-XX platforms having Ethernet VPN-Virtual Extensible LAN (EVPN-VXLAN) configured if extended-vni-list configuration is deleted, the network interface is flapped and when extended-vni-list is added back due to this traffic using the Flood NH (BUM) on the device will be lost.
1748462	Unable to install IPv6 routes in LPM table Product-Group=junos	On Junos platforms QFX5200 and QFX5210 with custom-profile set under "set chassis forwarding-options", traffic for routes IPv4/IPv6 would be impacted due to hardware limitation.
1763667	BFD session detection time is higher than expected leading to traffic drop Product-Group=junos	On QFX5K and EX4K platforms, when using HW (Hardware) assisted inline BFD (Bidirectional Forwarding Detection), the detection timer for the sessions is higher than what is configured. Hence, the BFD packets mirrored to the CPU get dropped at the host path.
PR Number	Synopsis	Category: qfx-sw-mclag
1742613	Race condition where FLOOD ROUTE DEL event can cause l2ald crash. Product-Group=junos	When system comes up with BULK L2 config, a subsequent CONFIG delete in a way that L2ALD is still not finished processing the config create, could lead to a race condition where FLOOD ROUTE DEL event can cause l2ald crash.
PR Number	Synopsis	Category: QFX MPLS PFE
1731291	Traffic for VLAN-id 2 gets dropped in Ethernet-CCC L2 Circuit on QFX5k/EX4650 platforms Product-Group=junos	On Junos QFX5k and EX4650 platforms traffic drop for VLAN (Virtual Local Area Network) having id 2 will be seen in the Ethernet-CCC (Circuit Cross Connect) L2 circuit. This happens because the VLAN-id is getting stripped at the egress PE (Provider Edge Router) hence causing a traffic drop at the CE (Customer Edge) Router.
1742364	Traffic dropped is observed in the MPLS LDP scenario when the peer device MAC address is changing Product-Group=junos	On Junos QFX5100 and EX4600 platforms when there is MAC (Media Access Control) change for the LDP (Label Distribution Protocol) neighbor and IP remains the same, the ARP (Address Resolution Protocol) update is proper but MPLS LDP may still use the stale MAC address of the neighbor. If there is any application/service such as MP-BGP using LDP as next-hop, all transit traffic pointing to the stale MAC address will be dropped.
PR Number	Synopsis	Category: QFX analyzer, sflow

[1777265](#) The fxpc process crash is seen on a specific Junos QFX and EX platforms except EX4300 due to memory leak after VTEP IFLs configuration and un-configuration
Product-Group=junos

VTEP (VXLAN Tunnel Endpoint) IFLs (Logical Interfaces) configuration and un-configuration causes a memory leaks and it leads to the fxpc process crash on a specific Junos QFX and EX platforms except EX4300.

PR Number	Synopsis	Category: QFX EVPN / VxLAN
1721297	FPC crash on QFX5120-48Y Product-Group=junos	If we observe any slowness in accessing the VTY and could see any hogging/scheduler slip messages in syslog. It is advised to run the debug commands manually, instead of running it via RSI.
1727119	The EVPN-VXLAN proxy-arp will respond with the wrong MAC when no-mac-learning is configured Product-Group=junos	On all Junos and Junos OS Evolved platforms in the EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) scenario, when the knob "switch-options no-mac-learning" is configured, the mac-ip entry will still be learned even though the MAC learning is disabled due to which the proxy ARP (Address Resolution Protocol) will not work properly on the leaf device and it will respond with a wrong MAC address for the ARP request.
1738276	High convergence time in the EVPN-VxLAN uplink failover scenario Product-Group=junos	On Junos QFX5K platforms in the EVPN-VxLAN scenario, due to high convergence time, traffic loss is more than expected when the uplink to the spine disabled (CLI initiated uplink failover).
1756407	Layer 2 VXLAN and Layer 3 IPv4 Logical Interfaces are not getting configured on the same interface Product-Group=junos	On Junos ACX/QFX/EX platforms, layer 2 Virtual Extensible LAN (VXLAN) and Layer 3 IPv4 logical Interfaces are not getting configured on the same interface.
1760823	Traffic drop will be seen when packets are sent with incorrect VLAN tag Product-Group=junos	EVPN (Ethernet VPN) proxy arp with Multihome AE (ESI) responds with an incorrect VLAN (Virtual Local Area Network) tag. QFX5K, EX4400, and EX4650 platforms return proxy arp reply with incorrect vlan-id with native VLAN under ESI (Ethernet Segment Identifier) ae interface.
1771739	The PVST BPDU packet get dropped in transparent EVPN-VXLAN on the ingress PE-CE port of SP style on Junos EX/QFX platforms Product-Group=junos	On Junos QFX/EX platforms with SP (Service Provider)-style configuration and in the EVPN (Ethernet Virtual Private Network)-VXLAN (virtual Extensible Local Area Network) scenario at the ingress port of the CE (Customer Edge) host, PVST (Per VLAN Spanning Tree) VSTP (VLAN Spanning Tree Protocol) BPDUs (Bridge Packet Data Unit) are getting dropped when the VLAN-ID is set to none. It should be flooded into the VLAN (Virtual Local Area Network) including intra-VLAN ports and remote VTEP (Virtual Tunnel Endpoint).
1773676	The tagged traffic drop will be seen with vlan-id-list and native-vlan-id configured on one IFL. Product-Group=junos	On QFX5120, EX4650, and EX4400 platforms, when vlan-id-list and native-vlan-id are configured on one IFL, the packets will drop and will impact the tagged traffic.
1781691	With EVPN-VXLAN configured, when a Layer 3 interface or underlay IRB interface deletion results in a traffic blackhole Product-Group=junos	On QFX5K and EX4K platforms in the EVPN-VXLAN (Ethernet Virtual Private Network - Virtual Extensible LAN) environment, a traffic blackhole is observed when we delete the L3 or underlay IRB (Integrated Routing and Bridging) interface, both the L3 egress and ingress hardware interface are deleted.
PR Number	Synopsis	Category: QFX5200/5110/5120/5210 Platform optics related issues
1698228	The physical interface link is not coming up after performing interfaces flapping on the QFX5120 device after starting traffic Product-Group=junos	On Junos QFX5120 platforms, when 100G physical interfaces are disabled and enabled, the physical interfaces will go down.

PR Number	Synopsis	Category: QFX5200/5110/5120/5210 Platform issues
1729647	The fpc detaching logs will be seen when the VC port between different FPCs are flapped Product-Group=junos	When VC ports are flapped on QFX5100 and EX4600 devices, VC might get split and we might observe the logs which impacts the traffic flow.
1754838	The VC port stays down after backup becomes master Product-Group=junos	On QFX series platforms, virtual-chassis doesn't get formed when using 100G for VC port when unplug and plug 100G optics or DAC cable (Direct Attached Cable) which means converting VC port to network port and again to VC port via CLI command. This issue happens when a single Virtual Chassis Port (VCP) link between the master and backup breaks up, the backup will become the master again enable the VC port links, it won't come up. It will stay in master-master because VC port remains down.
1758868	100G optics set to CAUI4 on Junos QFX5200-32C platforms Product-Group=junos	The Port interface is set wrong on 100G optics on QFX5200-32C platform.
1768554	Virtual chassis formation fails for VCP ports Product-Group=junosvae	On platforms that support QFX5E image and that support virtual chassis, when em0 is configured or em0 of master is plugged out, VC formation fails when network port is converted to vcp (Virtual Chassis port) port.
PR Number	Synopsis	Category: Issues related to dynamic-tunnels routing infrastructure
1749601	Traffic is getting dropped when using GRE NH-based with GRE Key even though the dynamic tunnel is up Product-Group=junos	On all Junos and Junos OS Evolved platforms that support MPLS(Multi-Protocol Label Switching) over GRE (Generic Routing Encapsulation) and have dynamic tunnel configured the traffic can get dropped. This issue is seen when IPv4 traffic is sent and the NH (Next Hop) is a GRE-based dynamic tunnel with a GRE key, the traffic can get dropped even though the tunnel is in up state.
PR Number	Synopsis	Category: KRT Queue issues within RPD
1774975	Features utilizing inactive routes will not work properly after the device reboot Product-Group=junos	On all Junos and Junos OS Evolved platforms, due to some software issue, after the device reboot features utilizing inactive routes in the routing table will not work properly. This will cause issues like some inactive routes not being advertised when selected as the best path, features like advertise-inactive not working properly as it utilizes an inactive route flash, high Routing Protocol Daemon (rpd) Central Processing Unit (CPU) utilization, etc.
PR Number	Synopsis	Category: RPD Next-hop issues including indirect, CNH, and MCNH
1768604	Traffic blackhole due to incorrect NH entries with incorrect filter-id in CCNH table Product-Group=junos	On all Junos platforms, the firewall filter mapping in Routing protocol process(rpd) table goes out of sync with the Dynamic Firewall process(dfwd) and hold old filter-id value in filter entry which leads to incorrect next-hop(NH) entries in Chained composite next hops(CCNH).
PR	Synopsis	Category: RPD route tables, resolver, routing instances, static

Number		routes
1740175	Memory leak is seen once on the standby RE when restart routing is performed on the master RE Product-Group=junos	On all Junos and Junos Evolved platforms configured with NSR (Nonstop Active Routing) and BGP (Border Gateway protocol) rib-sharding, it is observed that whenever the rpd process is restarted on the master RE (Routing Engine), memory leak occurs once on the standby RE. There is no impact due to this issue.
1748152	With RIB sharding configuration upon rpd restart the rpd crash will be observed Product-Group=junos	On all Junos and Junos Evolved platforms, when the Routing Information Base (RIB) sharding is configured and the routing protocol process (rpd) restarts, then rpd will crash and rpd crash files will be observed.
1752133	System reboot or IPSEC restart causes routes with incorrect next hop interface to be installed in the routing table Product-Group=junos	Any flap in the IPSEC (Internet Protocol Security) services or a system reboot causes interfaces in other VRFs (Virtual routing and forwarding) to get associated with the routes in a given VRF, in a topology where routes and next hops prefixes are identical across VRFs. This causes traffic loss and impacts user connectivity in IPSEC VPN scenario.
PR Number	Synopsis	Category: Resource Reservation Protocol
1756096	In-place-lsp-update failure causing ungraceful tear down of LSP Product-Group=junos	On Junos and Junos Evolved platforms, when the egress label edge router (LER) receives ResvErr from the upstream hop, the egress LER will tear down the reservation, disrupting the traffic carried over the label-switched path (LSP). The issue will happen when "in-place-lsp-bandwidth-update" is configured for the LSP on the ingress LER, or "node-link-protection" is configured for the LSP on the ingress LER and "no-enhanced-frr-bypass" is configured on all LSRs.
PR Number	Synopsis	Category: RPD API infrastructure
1710274	Next Hop counts are not as expected Product-Group=junos	Next Hop counts are not as expected
PR Number	Synopsis	Category: AMS (aggregated MS interface) related issues for load balanc
1673337	22.3TOT :: IFL packet counters not working on show AMS interface extensive for sub interfaces Product-Group=junos	IFL packet counters are not implemented for AMS interface. It is a new change.
PR Number	Synopsis	Category: Generic platform and infra issues for MS-MIC and MS-MPC(XLP)
1743031	The picd process crashes when executing the CLI command "show service sessions/flows" or "clear service sessions/flows" Product-Group=junos	On MX platforms with MS-MPC/MS-DPC, when the system is busy in the creation/deletion of sessions results in the picd process crashes for executing the CLI command "show service sessions/flows" or "clear service sessions/flows" aggressively (executing CLI command in 5-10 secs iteration).
1750823	The mspmand daemon crashes causing traffic loss Product-Group=junos	On Junos platforms with MS-MPC (Multiservices Modular Port Concentrator) like MX240, MX480, MX960, MX2008, MX2010 and MX2020, mspmand daemon (Multiservices PIC Manager Daemon) crash can be observed which causes traffic loss.

[1752132](#) The mspmand process crashes when MPLS VRF Route table is not present for a MPLS route and MPLS route is deleted
Product-Group=junos

Jflow maintains the VRF table information for all the families and the routes present under that VRF. This information is sent by RPD to JFlow. This issue is seen when MPLS VRF table is not present for a MPLS route and we try to delete the MPLS route.

PR Number	Synopsis	Category: SFW, CGNAT on MS-MIC/MS-MPC (XLP)
1706171	PFE crash observed during deletion of service-set Product-Group=junos	When deleting a service-sets configuration, the PFE (Packet Forwarding Engine) may restart on MX platforms with MS-MPC (Multiservice-Modular Port Concentrator). This leads to traffic loss.
PR Number	Synopsis	Category: Bug and Review Tracking for Segment routing traffic eng
1763406	LDP traffic to destination route might be lost when TI-LFA is configured Product-Group=junos	On all Junos and Junos OS Evolved platforms, when LDP tunnel over SR-TE route or over RSVP and LFA/rLFA/TI-LFA backup path for the same destination is configured, or if rLFA/LFA with L-ISIS as backup path is configured, the route to the destination is missing. LDP route for the destination is deleted because SR-TE LSP next hop is deleted by processing L-ISIS route with the backup path. Due to this LDP route gets deleted, LDP traffic to destination route is lost.
PR Number	Synopsis	Category: SRX Argon module
1757794	AAMW hyper scan goes to lock state during reload Product-Group=junos	On all SRX platforms, AAMW(advanced-anti-malware) hyperscan goes to a lock state during reload. When there is a reconnect or restart of AAMW service there is a possibility depending on the timing or reload/reconnect that AAMW may crash due to hitting a lock condition.
PR Number	Synopsis	Category: SRX branch platforms
1661816	fxp0 works under disable state in SRX300 Product-Group=junos	SRX300 runs in HA mode, fxp0 could be unexpectedly UP even though "disable" is configured.
1709013	Kernel panic on Junos 21.2 and later platforms Product-Group=junos	On Junos 21.2 and later (FreeBSD) platforms, kernel panic was seen.
1738271	"Minor Autorecovery information needs to be saved" alarm is not displayed after zeroize Product-Group=junos	On SRX Branch platform, "Minor Autorecovery information needs to be saved" alarm is not displayed after running zeroize command
1739520	Random physical interfaces doesn't come up after a reboot Product-Group=junos	On SRX345, some interface ports couldn't able to get correct medium (FIBRE or COPPER) sometimes after multiple reboot due to that SFP optics inserted may not come up after a reboot.
1746202	Kernel CPU temperature becomes high and the flowd process crashes with dual VLAN tag configured Product-Group=junos	On all SR3xx platforms having Q-in-Q tunnelling on VPLS (Virtual Private Local Area Network Service) over GRE (Generic Routing Encapsulation) tunnel, it is seen that due to dual VLAN (Virtual Local Area Network) tag configuration, the kernel CPU (Central Processing Unit) temperature becomes high along with the flowd process getting crashed.
1770303	Inter and intra VLAN traffic drop can be seen on the SRX branch series	On all Junos SRX branch series devices, intra and inter-VLAN (Virtual Local Area Network) traffic drop will be seen when the

	Product-Group=junos	devices are running in ethernet-switching mode and STP(Spanning Tree Protocol) is configured on the respective interface for the VLANs.
PR Number	Synopsis	Category: SRX5XX platform
1514925	Junos OS: An unauthenticated attacker with local access to the device can create a backdoor with root privileges (CVE-2023-44194) Product-Group=junos	An Incorrect Default Permissions vulnerability in Juniper Networks Junos OS allows an unauthenticated attacker with local access to the device to create a backdoor with root privileges. Please refer to https://supportportal.juniper.net/JSA73158 for more information.
1634965	[SRX] SRX550HM interfaces LED of ge-0/0/6-9 will auto turn off after device bootup some minutes Product-Group=junos	SRX550HM interfaces LED of ge-0/0/6-9 will auto turn off after device bootup some minutes.
PR Number	Synopsis	Category: SSL Proxy functionality on JUNOS
1752678	Large TLS1.3 session tickets to an SRX SPC3 device result in srpxfe crash Product-Group=junos	On SRX platforms with SPC3 card with SSL (Secure Sockets Layer) Proxy enabled, the srpxfe process crash will be observed impacting the traffic flow when the system is unable to handle large TLS1.3 (Transport Layer Security) session tickets (bigger than 1682 bytes) received from access sites.
PR Number	Synopsis	Category: Stout card (MPC7) fabric issues
1764457	Traffic drop observed at the source pfe when the destination line card has fabric link error Product-Group=junos	On all Junos and Junos Evolved platforms, when data traffic is sourced from line cards like MPC1-9 and there is a link error at the destination PFE (Packet Forwarding Engine) end, traffic is dropped at the source PFE end.
PR Number	Synopsis	Category: Stout cards (MPC8, MPC9) fabric issues
1747893	MX2k Platform: frequent fabric plane Check state reported due to remote destination timeouts Product-Group=junos	Upon some crc errors on fabric links, fabric destination timeouts are reported more frequent. Once there is a fabric request timeout, the system will attempt auto recovery. Since the periodic detection logic ran twice for 500msec period and 60msec period, it reported fabric destination timeout too aggressive. The additional 60msec period is targeted to detect a condition if user removed SFB board ungracefully. This exposure is specific to MX2K Platforms only
PR Number	Synopsis	Category: MX10002 Platform SW - Platform s/w defects
1755585	VMHost memory exhaustion results in image installation failure and brings down the RE during the upgrade Product-Group=junos	On VM Host platforms, if the available memory is lower than 7G, the VM Host software install fails and an error message is displayed regarding the lack of space. If a reboot is followed after such failed installation, the RE (Routing Engine) goes dead or boots from secondary disk.
PR Number	Synopsis	Category: MX10003/MX204 Linux issues (including driver issues)
1753908	Device crash and control plane traffic gets impacted on	On all Junos platforms, due to a timing issue, when monitor

Junos platforms
Product-Group=junos

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.

PR Number	Synopsis	Category: MX10003/MX204 MPC defects tracking
1757878	Interface using a QSA adapter with 1G speed won't work Product-Group=junos	On SRX1RU 4XQSFP28 and MX10003 6XQSFP28 PIC MIC cards ie BCM82328F PHY using MIC card, QSA adapter with 1G speed won't work.
PR Number	Synopsis	Category: SRX-1RU platfom datapath SW defects
1746567	Junos OS: SRX4600 Series: A high amount of specific traffic causes packet drops and an eventual PFE crash (CVE-2024-30398) Product-Group=junosvae	An Improper Restriction of Operations within the Bounds of a Memory Buffer vulnerability in the Packet Forwarding Engine (PFE) of Juniper Networks Junos OS allows an unauthenticated, network-based attacker to cause a Denial of Service (DoS). Please refer to https://supportportal.juniper.net/JSA79176 for more information.
PR Number	Synopsis	Category: SRX-1RU platfom related protocol, QoS, filtering features et
1748971	SRX4600 misleading Fan speed syslog output after removing or inserting one Fan tray unit Product-Group=junos	On SRX4600, misleading Fan speed syslog is generated after removing or inserting one Fan tray unit.
PR Number	Synopsis	Category: SRX-3RU platfom SW defects
1703220	Secondary node goes into disabled state after failover due to control link going down in a cluster Product-Group=junos	On certain SRX series platforms in a chassis cluster environment, redundancy group failover during RE CPU busy can cause jsrpd process slip and the cluster control link to go down. If the control link goes down for more than 3 seconds(default) or the configured heartbeat loss, the secondary node will move to ineligible and then disabled.
PR Number	Synopsis	Category: ZT/YT pfe firewall software
1757636	Traffic blackholing is observed on certain MX & EX92XX based platforms after committing specific filter configurations Product-Group=junos	On MX platforms with MPC10, MPC11, LC9600, MX304, and EX92xx platforms, when a firewall filter is attached to an AE interface a dummy filter will be installed automatically on line cards that don't have any child leg in the AE interface to save the ASIC resources. Later if the same filter is attached to any physical / AE interface of that line card or local child leg is added then the filter is changed from dummy to actual but the relation is broken between the filter instance (H/W Instance) and the filter Template (Definition) results in traffic blackholing.
PR Number	Synopsis	Category: ZT/YT pfe I3 forwarding issues
1759899	The system crashes due to the deletion of the basic IP configuration Product-Group=junos	On Junos MX devices with MPC10, MPC11, LC9600 line cards and MX304 platforms, the deletion of the basic Internet Protocol (IP) configuration was resulting in the system crash. Apart from this, any rollback/configuration delete that results in a receive next-

hop (NH) free/delete have the possibility of ending up in a system crash scenario.

1774127	Memory leak for deactivation/activation of SCU Product-Group=junos	On MX platforms with MPC10, MPC11, LC9600, and MX304-LMIC16, the heap memory leaks every time the SCU (source-class-usage) policy is removed i.e. removed and re-applied resulting in restart of the line card. Heap leak is proportional to the number of source classes or indices being removed by related policy.
PR Number	Synopsis	Category: Issues related to broadband edge apps (PPP, DHCP) on Trio ch
1747009	Traffic from subscribers will be dropped by Junos based MX platforms Product-Group=junos	On Junos based MX platforms in enhanced subscriber management scenario, with 'routing-services' and 'rpf-check' feature enabled all traffic from subscribers will be dropped.
PR Number	Synopsis	Category: Trio pfe qos software
1777932	Traffic blackhole on the egress interfaces hosted on hyper-mode enabled FPC with flexible-ethernet-services encapsulation configured Product-Group=junos	On MX platforms, when flexible-ethernet-services encapsulation is enabled only a single egress feature is installed, and the hyper-mode IFL (logical interface) egress optimization code kicks in when the IFL family has only 1 egress feature. In this case, policy-map instructions are executed using optimised wan_out NH (Next-Hop), instead of the regular wan_out NH. Currently, the opcode sanity check in the entry_set_policy_map instruction only checks for the regular wan_out NH fields. Added new opcode sanity checks to validate the optimized wan_out NH fields.
PR Number	Synopsis	Category: TRIO Interface based services
1730840	PFE crashes when "exception-reporting category packet-errors" is configured on MX, EX9K and SRX5K platforms Product-Group=junos	On Junos MX series, EX9K and SRX5K platforms, configuring the "exception-reporting category packet-errors" knob leads to Packet Forwarding Engine (PFE) crash.
PR Number	Synopsis	Category: Trio pfe bridging, learning, stp, oam, irb software
1718372	Remote EVPN router is not receiving ARP packets for double-tag VLAN when sender is sent a packet from MPC10 and MPC11 line card Product-Group=junos	On MX platform with MPC10, MPC11 and JNP10K-LC9600 linecard, when Ethernet VPN (EVPN) is set up in an end-to-end double-tagged Virtual LAN (VLAN) case, ARP requests are sent from the MPC10/MPC11 or JNP10K-LC9600, but the remote EVPN router is not getting ARP packets as a result, which causes problems with the mac-ip in the end-to-end double-tagged VLAN case.
1772733	In EVPN-MPLS/EVPN-VxLAN Multi-Home Active/Active scenario, random packet drops are observed Product-Group=junos	On all Junos MX platforms, in Ethernet Virtual Private Network Multiprotocol Label Switching (EVPN-MPLS)/ Virtual eXtensible Local-Area (EVPN-VxLAN) Network Multi-Home Active/Active scenario, random packet drops will be observed on the Non-Designated-Forwarder for ARP-REPLY generated in response to ARP-REQUEST received for Virtual-Gateway-Address defined on the IRB interface.
PR Number	Synopsis	Category: Trio pfe mpls- lsps, rsvp, vpns- ccc, tcc software
1757984	Memory exhaustion leading to FPC core with auto-	On MX platforms with MPC1/MPC2E/MPC7E/MPC8/MPC9E, when

policing enabled MPLS with Multicast P2MP
Product-Group=junos

auto-policing is enabled under MPLS (Multiprotocol Label Switching) with Multicast P2MP (Point-to-Multipoint) and MVPN (Multicast Virtual Private Network) route churn, traffic impact is observed due to heap memory leak for which FPC gets stuck.

PR Number	Synopsis	Category: Trio pfe sampling, services plumbing
1759592	Reverse traffic failing for interface-style stateful firewall on MPC5 line cards Product-Group=junos	On all Junos MX platforms with MPC5 linecard, when we configure interface-style SFW (stateful firewall) and applying the service-set on interface, reverse traffic is not getting processed.
PR Number	Synopsis	Category: Junos Automation, Commit/Op/Event and SLAX
1717425	Junos platform device unable to commit configuration in recovery mode Product-Group=junos	On all Junos platforms where snapshot is supported, when a device is rebooted from recovery mode it fails to commit configuration due to problems with slax import and device might go into amnesiac mode due commit fail.
PR Number	Synopsis	Category: MGD issues being found in cMGD environment
1723551	On containerised platforms, change in configuration is not propagated to existing CLI sessions. Product-Group=junos	When configuration change is committed, this change is not informed to existing CLI sessions on containerised platforms like cRPD. So, user needs to close existing CLI sessions and use new CLI sessions after configuration change is committed.
PR Number	Synopsis	Category: Ephemeral Database
1751141	Load replace via XML NetConf will not work Product-Group=junos	On all Junos and Junos OS Evolved platforms, the load replace operation through XML NetConf will fail.
PR Number	Synopsis	Category: UI Infrastructure - mgd, DAX API, DDL/ODL
1680065	Python scripts might fail with cscript core due to missing package Product-Group=junos	On platforms with arm architecture, Post python3 upgrade, the python scripts might fail with cscript core due to missing libffi package. This issue has no impact on traffic.
1718692	Configuration update via python script does not work Product-Group=junos	
1726731	After the device reboot BGP sessions configured with authentication will be down Product-Group=junos	On all EX4100 platforms, after the device reboot, BGP (Border Gateway Protocol) peers with authentication remain down as the keyadmin utility is not invoked causing the kernel database to not populate with MD5 configuration.
1761939	CLI users cannot access configuration mode on Junos and Junos OS Evolved platforms Product-Group=junos	On Junos and Junos OS Evolved platforms due to the mgd(Management Daemon) process not releasing commit lock, CLI users cannot change the configuration. CLI users cannot access configuration mode in this state. There is no service impact due to this issue.
1771991	RSI is more than 3.7 GB Product-Group=junos	The CLI command output of "show system processes extensive" should not have an 'srd' entry on PTX.
1772201	unexpected commit error - error: VLAN-ID must be	unexpected commit error like 'error: VLAN-ID must be specified

	specified on tagged ethernet interfaces Product-Group=junos	on tagged ethernet interfaces', due to 'commit check' reset internal flag incorrectly after load override configuration in rare condition.
PR Number	Synopsis	Category: Issues related to NETCONF
1702241	Junos OS and Junos OS Evolved: A low-privileged user can access confidential information (CVE-2024-21615) Product-Group=junos	An Incorrect Default Permissions vulnerability in Juniper Networks Junos OS and Junos OS Evolved allows a local, low-privileged attacker to access confidential information on the system. Please refer to https://supportportal.juniper.net/JSA75756 for more information.
PR Number	Synopsis	Category: Web-Management UI
1776688	High storage is reported in /var/jail/log due to http.log and http-trace.log on all Junos platforms Product-Group=junos	Disk usage will be high in /var/jail/log due to http.log and http-trace.log on all Junos platforms. Further install will be blocked until this folder is cleaned up.
PR Number	Synopsis	Category: QFX RCB issues
1763588	Warn if insufficient space to save unbundled packages during vm image upgrade Product-Group=junos	If while preparing for replacement of a vm image, there is insufficient space to save copies of unbundled packages, issue a warning.
PR Number	Synopsis	Category: Antivirus UTM issue
1725938	Outlook notification channel connection is not established Product-Group=junos	On all Junos SRX platforms, When the http traffic is chunked then Outlook notification channel connection is not established due to which, the mail notifications were not received on the browser.
PR Number	Synopsis	Category: web filterig issues
1755998	Certain video streaming services continuously buffer when safe-search and HTTP persistent mode is enabled Product-Group=junos	On all SRX and NFX series platforms that support UTM (Unified Threat Management) with enhanced web-filtering, when http-persist (HTTP persistent mode) and safe-search (enabled by default) is enabled, web-filtering is unable to handle multiple HTTP requests and leads to blocking of certain http/https based web services. An end user can experience continuous buffering of HTTP/HTTPs based video streaming services.
PR Number	Synopsis	Category: PTX/QFX100002/8/16 platform software
1770691	PEM firmware upgrade fails on PTX installed with JNP10K-RE Product-Group=junosvae	On PTX platforms with JNP10K-RE, In affected version platform specific attribute is missed which caused PEM firmware upgrade fail.
PR Number	Synopsis	Category: VMHOST platforms software
1772127	After device reboot Swap memory is not displayed in the CLI command output of "show system processes extensive"	On the Junos PTX10008 and PTX10016 platforms, Swap memory is not getting displayed in the CLI command output of "show system processes extensive". The Swap partition is deleted for

	Product-Group=junosvae	certain conditions on the Junos side and the external swap partition is not getting created during the boot-up, hence this issue is happening. The issue can be avoided temporarily using a workaround method until reboots. A permanent issue fix is provided for PTX10008 & PTX10016 in the latest release.
PR Number	Synopsis	Category: usf flow and datapath issue on SPC3
1750634	Traffic transfer/receive is impacted for SPC3 CPU cores connected to the affected PCIe bus when the SPC3 card boots up Product-Group=junos	On MX and SRX platforms with SPC3 card, SPC3 (Services Processing Card 3) CPU cores connected to the affected PCIe (Peripheral Component Interconnect) bus (7 CPU cores) getting into a bad state will not transfer any traffic i.e. traffic loss during SPC3 card bootup due to incorrect register settings.

22.3R3-S2 - List of Known issues

PR Number	Synopsis	Category: Software build tools (packaging, makefiles, et. al.)
1698624	cRPD: Multiple vulnerabilities resolved in 23.4R1 release Product-Group=junos	Multiple vulnerabilities have been resolved in Juniper Networks Junos cRPD by updating third party software included with cRPD. Please refer to https://supportportal.juniper.net/JSA79107 for more information. <i>Resolved In:</i> junos:20.3X75-D43 junos:22.4R1-S1 junos:22.4R1-S2 junos:22.4R2 junos:23.1R1
PR Number	Synopsis	Category: EX4300 PFE
1770410	Junos OS: EX4300 Series: Firewall filter not blocking egress traffic (CVE-2024-30389) Product-Group=junos	An Incorrect Behavior Order vulnerability in the Packet Forwarding Engine (PFE) of Juniper Networks Junos OS on EX4300 Series allows an unauthenticated, network-based attacker to cause an integrity impact to networks downstream of the vulnerable device. Please refer to https://supportportal.juniper.net/JSA79185 for more information. <i>Resolved In:</i> junos:21.4R3-S6
1774634	Junos OS: EX4300 Series: If a specific CLI command is issued PFE crashes will occur (CVE-2024-30384) Product-Group=junos	An Improper Check for Unusual or Exceptional Conditions vulnerability in the Packet Forwarding Engine (PFE) of Juniper Networks Junos OS on EX4300 Series allows a locally authenticated attacker with low privileges to cause a Denial-of-Service (Dos). Please refer to https://supportportal.juniper.net/JSA79186 for more information. <i>Resolved In:</i> junos:19.1R3-S12 junos:19.2R3-S9 junos:19.4R3-S13 junos:20.2R3-S9 junos:20.4R3-S10 junos:21.2R3-S7 junos:21.4R3-S6
PR Number	Synopsis	Category: EX4300 Platform
1747374	SFP modules are not detected after upgrade Product-Group=junos	After an upgrade, the SFP modules are not detected in case of EX4300 platforms and the ports remain down impacting traffic. <i>Resolved In:</i> junos:20.4R3-S10 junos:21.2R3-S8 junos:21.4R3-S6
1752611	The port attached to 40 DAC cable doesn't come up after software upgrade or switch	On EX switches, if 40G DAC(Direct Attach Copper) cables with PN(Part Number) 740-038624 (QSFP+-40G-CU3M) and 740-044512 (QSFP+-40G-CU50CM) are used, links might not come up after software upgrade to Junos 21.4R3-S3 or after a switch reboot (if the switch is running Junos 21.4R3-S3). The switch ports that use these DAC cables are observed to go down after a

reboot
Product-Group=junos

reboot.

Resolved In: junos:21.2R3-S7 junos:21.4R3-S6

PR Number	Synopsis	Category: Border Gateway Protocol
1781859	The rpd process will crash in an EVPN scenario Product-Group=junos	On all Junos and Junos Evolved platforms, when EVPN-Type 5 (Ethernet VPN-Type 5) and L3VPN (Layer 3 VPN) families are configured and if EVPN routes are advertised to BGP (Internal Border Gateway Protocol) inet-VPN sessions then rpd process crashes. During the rpd crash and restart, the routing protocols will be impacted and traffic disruption will be seen due to the loss of routing information. <i>Resolved In:</i> evo:22.3R3-S3-EVO evo:22.4R3-EVO evo:23.2R2-EVO evo:23.4R2-EVO evo:24.1R1-EVO junos:21.4R3-S7 junos:22.1R3-S6 junos:22.2R3-S4 junos:22.3R3-S3 junos:22.4R3 junos:22.4R3-S1 junos:23.2R2 junos:23.4R1-S1 junos:23.4R2 junos:24.1R1
PR Number	Synopsis	Category: Issues related to Common BIOS on x86 based designs
1608045	LTS19: MX960: 000: [Firmware Bug]: TSC_DEADLINE disabled due to Errata; please update microcode to version: 0x3a (or later) seen upon upgrade to 21.4 Product-Group=junos	Please upgrade BIOS for releases containing LTS19 i.e. Junos 21.4R1 and later. <i>Resolved In:</i> junos:22.2R3-S3 junos:23.4R2 junos:24.2R1 junos:24.2R2 junos:24.3R1
PR Number	Synopsis	Category: MX304 line card platform software
1739718	Incomplete FPC Firmware details will be displayed Product-Group=junos	On MX304 and MX platforms with MPC11 and LC9600, the CLI command 'show system firmware' may sometimes not display all the firmware details of FPC components. This prevents the FPC firmware components from being upgraded to the latest version when the firmware upgrade is performed. <i>Resolved In:</i> evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-S1-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:22.2R3-S3 junos:22.4R3 junos:23.1R2 junos:23.2R1-S1 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: PTX Chassis Manager
1776993	Over temperature on the linecards can cause chassis shutdown on PTX platforms Product-Group=junos	On PTX10K8 and PTX10K16 Junos platforms, the temperature sensors generates alarms reporting over-temp condition when the temperature crossed the over-temp threshold value defined for that FRU (Field-replaceable units). This can cause the whole chassis to shutdown if the over-temp condition on the FRU stays for more than 240 sec and lead to a system wide outage. <i>Resolved In:</i> junos:20.3X75-D36 junos:22.4R3-S2
PR Number	Synopsis	Category: Platform PR for 1G/10G LC
1700909	FPC crash is observed and the device is rebooted when multiple interface operations are performed in MX	On all MX platforms with LC480 linecard, in a rare occurrence, while triggering interface operations on the LC480 linecard, then FPC (Flexible PIC concentrator) crash is observed and the device gets rebooted. <i>Resolved In:</i> evo:22.4R2-EVO evo:22.4R3-EVO evo:23.1R1-EVO evo:23.1R2-EVO evo:23.2R1-EVO

platforms with LC480
linecard
Product-Group=junos

evo:23.3R1-EVO junos:22.4R2 junos:22.4R3 junos:23.1R1 junos:23.1R2 junos:23.2R1
junos:23.3R1

PR Number	Synopsis	Category: PMB (AMD) PR for 1G/10G LC
1722823	The FPC crash is observed on Junos MX10008 platform when connected to non-Juniper SFP Product-Group=junos	On Junos MX10008 platform, the FPC (Flexible PIC Concentrator) crash will be observed when connected to non-Juniper SFP (Small Form-factor Pluggable) and it will lead to traffic loss. <i>Resolved In:</i> junos:21.2R3-S8 junos:22.3R3-S1 junos:22.4R3-S1 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: CoS support on DNX
1770491	Traffic convergence is longer than usual after the CoS rewrite Product-Group=junos	On ACX5448 and ACX710 platforms, traffic convergence takes more time than the expected 50ms i.e. traffic loss is more than expected observed for CoS (Class-of-service) rewrite change after a link failover in the MPLS (Multiprotocol Label Switching) scenario with FRR (Fast Reroute) and LSP (Label-Switched Path) link-protection configured. <i>Resolved In:</i> junos:21.4R3-S6 junos:22.3R3-S3 junos:22.4R3 junos:22.4R3-S2 junos:23.2R2 junos:23.4R1-S1 junos:23.4R2 junos:24.1R1
PR Number	Synopsis	Category: EVO Netstack FIB Service Daemon
1712705	request routing-engine login other-routing-engine failure on EVO platforms Product-Group=junos	The "request routing-engine login other-routing-engine" command may fail. <i>Resolved In:</i> evo:22.2R3-EVO evo:22.2R3-S3-EVO
PR Number	Synopsis	Category: Paragon Active Assurance
1728816	Junos OS Evolved ACX Series with Paragon Active Assurance Test Agent: A local high privileged attacker can recover other administrators credentials (CVE-2024-30406) Product-Group=junos	A Cleartext Storage in a File on Disk vulnerability in Juniper Networks Junos OS Evolved ACX Series devices using the Paragon Active Assurance Test Agent software installed on network devices allows a local, authenticated attacker with high privileges to read all other users login credentials. Please refer to https://supportportal.juniper.net/JSA79104 for more information. <i>Resolved In:</i> evo:23.2R2-EVO evo:23.3R1-EVO evo:23.3R2-EVO evo:23.4R1-EVO
PR Number	Synopsis	Category: EVPN control plane issues
1706682	Traffic loss seen with Multiple IFLs on an IFD with ESI per IFD configuration when one of the IFL disable Product-Group=junos	If one of the IFL goes down from multiple IFLs on IFD with per ESI configuration, the DF election is triggered and a potential DF switchover happens, This will create some traffic loss for rest of IFL on that ESI. Solution: * Enable the this"set protocols evpn advertise-evpn-esi-routes" knob on all the evpn peer device on before the IFL disable. This is a code modification and not a software bug. <i>Resolved In:</i> junos:22.4R3 junos:23.2R2 junos:23.3R2 junos:23.4R1 junos:24.1R1
PR	Synopsis	Category: EX4400 platform

Number		
1749391	[interface] [all] EX4400-48F :: JUNOS_REG: EX4400 : input-vlan-tagged-frames are not in the expected range while verifying Vlan Tagged Frames Product-Group=junos	[interface] [all] EX4400-48F :: JUNOS_REG: EX4400 : input-vlan-tagged-frames are not in the expected range while verifying Vlan Tagged Frames <i>Resolved In:</i>
PR Number	Synopsis	Category: Express PFE including evpn, vxlan
1677422	QFX10000 series platforms generates error messages constantly and IPv6 routing is not performed when configured rpf-check and inet6 on VXLAN enabled interface and trying to resolve arp ndp Product-Group=junos	With rpf-check (enabling reverse-path forwarding) and ipv6 configured on VXLAN (Virtual Extensible LAN) enabled interface, trying to resolve arp ndp nexthop, error messages are constantly observed and ipv6 routing failed. For the ipv6 routes which point to the IPv6 ndp (Neighbor Discovery Protocol) nexthop, the fdb entry needed more space than the allocated space. As a result, PFE was unable to add this entry into fdb and IPv6 routing was not performed. <i>Resolved In:</i> junos:21.4R3-S6 junos:22.2R3-S3 junos:22.3R3-S3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
1779890	On QFX10002-60c platforms, during system reboot and fpc reboot time, some non functional error logs are displayed. Product-Group=junos	On QFX10002-60c express based Junos platform the error logs are seen during boot time. These errors are not impacting any functionality. The table is getting programmed correctly. These are seen during system reboot and fpc reboot time. We will be emitting the logs for non default routing instances and not for default routing instance. <i>Resolved In:</i> junos:20.3X75-D36 junos:20.3X75-D440 junos:21.2R3-S8 junos:22.1R3-S6 junos:22.2R3-S3 junos:22.3R3-S3 junos:22.4R3-S2 junos:23.2R2 junos:23.4R2 junos:24.1R1 junos:24.3R1
PR Number	Synopsis	Category: Express PFE L3 Multicast
1774562	PIM join are not learnt for multicast IPs Product-Group=junos	On Junos PTX platforms, with PIM BIDR (Protocol Independent Multicast- Bidirectional) mode with "set protocols pim rp bidirectional address <> group-ranges <>" configuration, PIM/MLD joins will not be learnt for multicast IPs other than link local IP and MY IP which will lead to traffic impact. Also, lo0 filter which were introduced with PR 1701756 for IGMP and MLD will be applied only for MY IPs and Link local IPs. For any other IPs other than above, lo0 filter will not work. <i>Resolved In:</i> junos:20.3X75-D440 junos:21.2R3-S8 junos:21.4R3-S7 junos:22.1R3-S6 junos:22.2R3-S4 junos:22.3R3-S3 junos:22.4R3-S1 junos:22.4R3-S2 junos:23.2R2 junos:23.4R1-S1 junos:23.4R2 junos:24.1R1
PR Number	Synopsis	Category: ISIS routing protocol
1667575	When the SPF algorithm for IS-IS in Segment Routing use case is triggered frequently, CPU usage might increase Product-Group=junos	On all Junos and Junos Evolved platforms, when the shortest-path-first (SPF) algorithm for IS-IS is triggered frequently, CPU usage might increase and impact the device performance and traffic. <i>Resolved In:</i> evo:22.4R1-EVO junos:22.4R1

[1723172](#) The rpd process crash is observed when TI-LFA feature is enabled
Product-Group=junos

On all Junos and Junos Evolved platforms with TI-LFA (Topology-Independent Loop-Free Alternate) feature enabled, when IP address is removed from one interface and is assigned to another interface in the same commit, the rpd process crashes affecting routing control plane.

Resolved In: evo:22.4R3-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:22.4R3 junos:22.4R3-S1 junos:23.2R2 junos:23.3R1

PR Number	Synopsis	Category: Firewall Authentication
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[1732210](#) 23.1R2:ISSU:USERFW-CP: Clearpass Auth entry's are getting deleted post successful ISSU
Product-Group=junos

On SRX devices on aruba-clearpass webapi configuration set system services webapi <*> authentication entries could be lost during ISSU or during Junos version upgrades to 23.1 from prior versions. Due to this issue any dataplane traffic using the ClearPass Authentication entries will require reauthentication.

Resolved In: junos:23.4R2 junos:24.1R1

PR Number	Synopsis	Category: Flow Module
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[1761542](#) In a chassis cluster setup the flowd crashes and SPC cards will fail
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: junos:21.4R3-S8 junos:23.4R2 junos:24.2R2 junos:24.3R1

PR Number	Synopsis	Category: Layer2 forwarding on EX/NTF/PTX/QFX
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[1703412](#) Updated "show l2-learning vxlan-tunnel-end-point remote" now displays vstep for multiple routing instances
Product-Group=junos

When configuration has evpn-vxlan, data vxlan configuration co-existence, show cmd updated to display vstep for both routing instance. "show l2-learning vxlan-tunnel-end-point source" "show interfaces vtep" command display Primary and Anycast IP address's of loopback interface.

Resolved In: evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:22.2R3-S3 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1

[1757692](#) The ksyncd and vmcore core will be seen on backup RE when GRES is configured
Product-Group=junos

This issue is seen on all Junos platforms when MAC-limit/storm-control feature is configured with action shutdown, and after interface shutdown action has taken effect. When the customer issues "clear ethernet-switching recovery-timeout" or interface recovery timeout expires and recovery time is configured via "set interfaces unit family ethernet-switching recovery-timeout ". After the interface recovers, if the customer configures GRES, the ksyncd and vmcore core will be seen on backup RE.

Resolved In: evo:22.4R3-EVO evo:23.2R2-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:21.4R3-S6 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.3R3-S3 junos:22.4R3 junos:23.2R2 junos:23.4R1 junos:24.1R1

PR Number	Synopsis	Category: Multiprotocol Label Switching
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[1775553](#) Traffic drop in L2VPN scenarios when an access port flap or configuration change
Product-Group=junos

On Junos QFX5100 and EX4600 platforms in Layer 2 Virtual Private Network (L2VPN) scenarios, when an access port flaps or the port related configuration is deactivated and activated, the traffic ingressing or egressing out of that port gets dropped.

Resolved In: junos:20.4R3-S10 junos:21.4R3-S6

PR Number	Synopsis	Category: For multicast snooping on MX
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1710565	In a scaled setup mcsnoopd is taking high CPU causing traffic drop Product-Group=junos	On all Junos and Junos Evolved platforms, whenever a commit is done, that involves mcsnoopd daemon config parsing such as (VLAN creation/deletion, interface add/delete to VLAN, interface enable/disable, IGMP (Internet Group Management Protocol) snooping/MLD (Multicast Listener Discovery) snooping related config commands) mcsnoopd will consume CPU. In less scaled setup (few IGMP snooping enabled VLANs and few hundred IGMP snooping memberships), the CPU time taken is less. In a more scaled setup (many IGMP snooping-enabled VLANs and a few thousand IGMP snooping memberships), the CPU may reach >90%. Since mcsnoopd is taking high CPU, it may affect other daemons like rpd. It may affect all the protocols if the CPU is not available to the protocols/daemons. This can impact route entries expiring and cause traffic drop. <i>Resolved In:</i> evo:22.3R3-S4-EVO evo:23.2R2-S2-EVO evo:23.4R2-EVO junos:22.4R3-S2 junos:23.4R2 junos:24.1R1
PR Number	Synopsis	Category: Multicast for L3VPNs
1700345	The rpd crash happens when Multicast VPN (Virtual Private Network) is configured with separate route-targets scenario Product-Group=junos	This happens only when MVPN protocol has separate route targets configured and then both the address families are disabled. rpd (Routing process daemon) infra parsing does not check if MVPN protocol is disabled and hence will create the auto policies for route-targets if configured. So if those policies are not marked as active in MVPN configuration flow, it does not get resolved and thereby the policy object may not be valid thus leading to the core. <i>Resolved In:</i> evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO junos:22.4R3 junos:23.1R2 junos:23.2R1
PR Number	Synopsis	Category: MX Timing software
1750885	MPC10E: Support of G.8275.1 PTP Hybrid mode with speed 25G and 400G Product-Group=junos	In 21.2R3S6 release, MPC10E line-card does not support of G.8275.1 PTP Hybrid mode with speed 25G and 400G <i>Resolved In:</i> evo:23.4R1-EVO evo:24.1R1-EVO junos:21.2R3-S7 junos:22.2R3-S3 junos:22.4R3-S2 junos:23.2R2 junos:23.4R1 junos:24.1R1
PR Number	Synopsis	Category: Kernel Multicast Infrastructure
1740390	vPTX: PFE crash is seen due to invalid token from RPD Product-Group=junos	On vPTX platforms, the PFE (packet forwarding engine) receives an invalid token from RPD (Routing Engine daemon) for composites next-hops due to which the PFE will crash leading to traffic drop. <i>Resolved In:</i> junos:21.4R3-S6 junos:22.1R3-S5 junos:22.4R3-S1 junos:23.2R2 junos:23.4R2 junos:24.1R1
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. <i>Resolved In:</i> evo:23.4R1-EVO junos:23.4R1
PR Number	Synopsis	Category: QFX EVPN / VxLAN
1775672	The untagged packets get dropped in transparent EVPN-VXLAN	On Junos QFX5k/EX4650/4400/4100 platforms with SP (Service Provider)-style configuration and in the EVPN (Ethernet Virtual Private Network)-VXLAN (virtual Extensible Local Area Network) scenario at the ingress port of the CE (Customer Edge) host, untagged packets are

	on the ingress PE-CE port of SP style on certain Junos EX/QFX platforms Product-Group=junos	getting dropped when native VLAN (Virtual Local Area Network) is configured. These packets should be flooded into the VLAN (Virtual Local Area Network) including intra-VLAN ports and remote VTEP (Virtual Tunnel Endpoint). <i>Resolved In:</i> junos:21.4R3-S7 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.4R3-S2 junos:23.2R2 junos:23.4R2 junos:24.1R1
PR Number	Synopsis	Category: QFX5100 Interface related issues
1665800	Ports with SFP-T 1G plugged in may go to hung state on QFX5100 (tvp-image) platforms Product-Group=junos	When the remote end server/system reboots, QFX5100 platform ports with SFP-T 1G inserted may go into a hung state and remain in that state even after the reboot is complete. This may affect traffic after the remote end system comes online and resumes traffic transmission. <i>Resolved In:</i> junos:20.2R3-S7 junos:20.2R3-S8 junos:20.4R3-S6 junos:20.4R3-S7 junos:21.2R3-S3 junos:21.4R3-S3 junos:21.4R3-S4 junos:21.4R3-S6 junos:22.2R3-S1
PR Number	Synopsis	Category: QFX5100 Platfom related issues. CPLD, FPGA, FRU, Host, RE
1742565	Ports with SFP-T 1G plugged in may go to hung state on QFX5100 (non-tvp-image) platforms Product-Group=junos	When the remote end server/system reboots, QFX5100 platform ports with SFP-T 1G inserted may go into a hung state and remain in that state even after the reboot is complete. This may affect traffic after the remote end system comes online and resumes traffic transmission. <i>Resolved In:</i> junos:20.4R3-S10 junos:21.4R3-S5 junos:21.4R3-S6
PR Number	Synopsis	Category: RPD Next-hop issues including indirect, CNH, and MCNH
1562387	The session status gets stuck in the Invalid state after the core-facing link fails in the primary PE devices. Product-Group=junos	Due to a race condition, the 'show multicast route extensive instance " output can display the session status as Invalid. Such an output is a cosmetic defect and not indicative of a functional issue. <i>Resolved In:</i> junos:22.4R3-S1
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. <i>Resolved In:</i> 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: 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. <i>Resolved In:</i> 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: Issues related to control plane security

1781732	Junos OS and Junos OS Evolved: Impact of Terrapin SSH Attack (CVE-2023-48795) 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. <i>Resolved In:</i> evo:21.2R3-S8-EVO evo:22.2X100-D20-EVO evo:22.2X100-EVO evo:22.3R3-S3-EVO evo:22.3X50-EVO evo:22.3X80-D43-EVO evo:22.3X80-D45-EVO evo:22.4R3-S2-EVO evo:23.2R2-EVO evo:23.4R2-EVO evo:24.1R1-EVO junos:19.1R3-S12 junos:19.2R3-S9 junos:19.4R3-S13 junos:20.2R3-S9 junos:20.3X75-D52 junos:20.4R3-S10 junos:21.2R3-S8 junos:21.4R3-S6 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.2R3-S4 junos:22.3R3-S3 junos:22.4R3-S1 junos:22.4R3-S2 junos:23.2R2 junos:23.4R1-S1 junos:23.4R2 junos:24.1R1
PR Number	Synopsis	Category: Generic platform and infra issues for MS-MIC and MS-MPC(XLP)
1714416	mspmand crashes after loading a new image Product-Group=junos	Once the device is loaded with the new image, PIC tries to boot up. mspmand is one of the processes inside PIC, crashes sometimes. <i>Resolved In:</i> evo:23.4R1-EVO junos:23.4R1
PR Number	Synopsis	Category: all ipv6 dhcp bugs on srx platforms
1770332	DHCP server not responding to some clients Product-Group=junos	SRX DHCP server does not respond to some clients after upgrading to 21.4R3-S5. <i>Resolved In:</i> junos:21.2R3-S7 junos:21.4R3-S6 junos:22.1R3-S5 junos:22.4R3 junos:23.2R2 junos:23.4R1 junos:23.4R2 junos:24.1R1
PR Number	Synopsis	Category: SRX branch platforms
1714620	High latency will be observed while pinging to peer device 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. <i>Resolved In:</i> 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:23.4R1-S2 junos:23.4R2 junos:24.2R1 junos:24.3R1
1768050	ARP resolution does not work if generated from the L3 Interface such as the IRB interface Product-Group=junos	On SRX300 series platforms, ARP (Address Resolution Protocol) resolution does not work if it is generated internally from the L3 (Layer 3) interface such as the IRB (Integrated Routing and Bridging) interface. The routing protocol connections will not get established resulting in traffic impact. <i>Resolved In:</i> junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S6 junos:22.1R3-S5 junos:22.4R3 junos:23.2R2 junos:23.3R2 junos:23.4R1 junos:24.1R1
1776400	The Wifi MPIM card will be down upon upgrading the device Product-Group=junos	Upon upgrading the Junos SRX platform which is acting as a WAP (wireless access point) or WLAN (wireless LAN) installed with a Wi-Fi MPIM (Mini Physical Interface Module) card, the card is not working. This will tear down the Wi-Fi client sessions, impacting the services. <i>Resolved In:</i> junos:21.2R3-S7 junos:21.4R3-S7 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.4R3-S2 junos:23.2R2 junos:23.4R2 junos:24.1R1
PR Number	Synopsis	Category: ZT/YTpfe bridging, learning, stp, oam, irb software
1720275	Junos OS : MX Series with MPC10, MPC11 ,LC9600, and MX304: A	An Improper Check or Handling of Exceptional Conditions vulnerability in the Packet Forwarding Engine (PFE) of Juniper Networks Junos OS allows an unauthenticated, adjacent attacker to cause a Denial of Service (DoS). Please refer to https://supportportal.juniper.net/JSA75732 for

	specific MPLS packet will cause a PFE crash (CVE-2024-21593) Product-Group=junos	more information. <i>Resolved In:</i> evo:22.2R3-S2-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:21.4R3-J4 junos:21.4R3-S1-J3 junos:21.4R3-S2-J27 junos:21.4R3-S3-J4 junos:21.4R3-S3-J6 junos:21.4R3-S4-J14 junos:21.4R3-S5 junos:22.2R3-S1-J8 junos:22.2R3-S2 junos:22.2R3-S3 junos:22.3R2-S1-J1 junos:22.3R2-S2 junos:22.3R3-S1 junos:22.4R2-S2 junos:22.4R3 junos:23.1R2 junos:23.2R1-S1 junos:23.2R2 junos:23.3R1
PR Number	Synopsis	Category: DDoS Support on MX
1615357	The snmpd CPU utilization reaches 100% with error logs Product-Group=junos	On all MX platforms, sending SNMP traffic at bandwidth greater than 20000pps observed DDoS (Distributed Denial of Service) violations & error logs with 100% snmpd CPU utilization. <i>Resolved In:</i> evo:22.3R1-EVO evo:22.4R1-EVO junos:22.2R3-S3 junos:22.3R1 junos:22.4R1
PR Number	Synopsis	Category: UI Infrastructure - mgd, DAX API, DDL/ODL
PR Number	Synopsis	Category: usf subscriber infra related issues
1722414	Segmentation fault on grpc timer thread (might be related to keepalive) Product-Group=junos	Segmentation fault on grpc timer thread (might be related to keepalive) #32085 grpc issue https://github.com/grpc/grpc/issues/32085 grpc stack needs to be upgraded to 1.53 or later. <i>Resolved In:</i> evo:24.1R1-EVO