21.4R3-S4: Software Release Notification for JUNOS Software Version 21.4R3-S4

Alert Description

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Solution

Junos Software service Release version 21.4R3-S4 is now available.

21.4R3-S4 - List of Fixed issues

PR Number	Synopsis	Category: JUNOS bugs found in UAC integration
1692398	Connection fails are observed on Junos despite a valid auth entry Product-Group=junos	On Junos platforms, authentication failures and connection drops are observed for a few users when UAC (Unified Access Control) modules fail to look up the roles.
PR Number	**Synopsis**	**Category: EX4300 PFE**
1698833	The DHCP offer packet failed to send back to the client leaf from the server leaf Product-Group=junos	On EX4100, EX4400 and QFX5k platforms, when inter-vrf DHCP relay is configured, the server leaf fails to send the DHCP offer response packet to the client leaf. Due to this DHCP client will not be able to bind.
1720219	PFE process crash is observed on Junos EX4300 platforms Product-Group=junos	In a rare scenario, due to timing issues, the Packet Forwarding Engine (PFE) crash is observed on Junos EX4300 platforms. This causes traffic loss until the PFE comes up.
1722284	Native VLAN traffic is getting dropped in the Q-in-Q scenario on EX4300 Product-Group=junos	On Junos EX4300-24T/24P when the native CVLAN (Customer Virtual Local Area Network) ID is configured for Q-in-Q setup, the traffic for that particular VLAN gets dropped even if the knob "input-native-vlan-push" is configured. This issue is encountered when the when inner-tag matches 'native-vlan-id' irrespective of the outer tag.
1725042	VRRP peers delay to sync when 'mac-move-limit' is configured on EX switch Product-Group=junos	On Junos EX series platforms, VRRP (Virtual Router Redundancy Protocol) sync will be delayed impacting the VRRP traffic if the device receives a VRRP packet when setting up the 'mac-move-limit' configuration.

1729636	Traffic loss is seen after configuration changes related to VSTP are committed Product-Group=junos	On EX4300 platforms, when RSTP (Rapid Spanning Tree Protocol) and VSTP(VLAN Spanning Tree Protocol) are configured on two different interfaces which are part of the same VLAN (Virtual LAN), the RSTP-enabled interface will drop traffic after doing a configuration change in VSTP for the specified VLAN.
PR Number	**Synopsis**	**Category: EX4300 Platform**
1714117	PFEX process crash observed when device comes up after zeroize or interface configuration deletion Product-Group=junos	On Junos OS EX4300 and EX4300-VC platforms, if zeroize or interface configuration deletion performed, PFEX process crash will se seen when interface/device comes up and there will be traffic loss during the PFE restart.
1720335	On EX4300-48MP I/O accesses to disk will fail Product-Group=junosvae	On EX4300-48MP due to a disk cache mode that is less resilient, in rare conditions, all the I/O (Input Output) accesses to the disk will fail including any configuration commands. The device might also go into an inaccessible state.
1733339	The pfex process will crash if CPU utilization is 100% and QSFP insertion/removal is performed Product-Group=junos	On EX4300-VC, with the Central Processing Unit (CPU) highly stressed (CPU idle 0) and Online Insertion and Removal (OIR) of Quad Small Form-factor Pluggable (QSFP) is performed the pfex process will crash. When the pfex process crashes, Packet Forwarding Engine (PFE) will restart and will impact the traffic.
PR Number	**Synopsis**	**Category: EX4300 HA (GRES, NSR, NSB)**
1665562	EX4300-48MP: VC: NSSU aborted with Backup RE maybe in inconsistent state Product-Group=junosvae	For NSSU to work fix should be present in the Base image. The issue started from 21.4R2 onwards. e.g If NSSU is done from 21.4 to 22.2 fix should be present in 21.4 image.
PR Number	**Synopsis**	**Category: EX4300 Layer 2 implementation**
1684072	The l2cpd process crash may be observed when disabling RSTP on an interface Product-Group=junos	On all Junos and Junos Evolved platforms, the l2cpd process may crash and generates the core when disabling RSTP (Rapid Spanning Tree Protocol) on an interface.
PR Number	**Synopsis**	**Category: EX4300 Platform implementation**
1687407	EX4300-48MP "Factory Reset/Mode button cannot toggle status mode LED (SPD, DX, EN, and PoE) Product-Group=junosvae	"Factory Reset/Mode button on the far right side of the front panel is used to toggle the Status LED to show the different port parameters for the network ports. You can tell which port parameter is indicated by the Status LED by looking at which port status mode LED (SPD, DX, EN, and PoE) is lit. "Factory Reset/Mode button was unable to toggle status mode LED (SPD, DX, EN, and PoE)
1701444	EX4300-48MP: :Interface operational states shows up even when interface as made down administratively. Product-Group=junos	When a port is disabled, the operation state will be shown as Up. This is only a display issue and has no funtionality impact as the port is actually down.

1712785	EX4300-48MP CPLD firmware fails to upgrade from 2.2 to 2.5 with 22.4R1.10 image Product-Group=junosvae	EX4300-48MP CPLD firmware fails to upgrade from 2.2 to 2.5 with 22.4R1.10 image
1714056	On EX4650, jnxOperatingDescr.1.1.0.0 is populated with blank Product-Group=junosvae	On EX4650, jnxOperatingDescr.1.1.0.0 is populated with blank
PR Number	**Synopsis**	**Category: EX2300/3400 PFE**
1695771	Traffic loss is seen when a MAC moves from dot1x port to non-dot1x port Product-Group=junos	On all Junos and Junos OS Evolved platforms is having dot1x enabled interface. When two or more MAC addresses are learnt on a dot1x port, and if one of them is shifted to a non-dot1x port, the MAC address that was moved is still seen as a MAC-based VLAN entry on the Layer2 Address Learning Manager (l2alm). This could lead to network traffic being lost.
PR Number	**Synopsis**	**Category: EX2300/3400 platform**
1695057	The l2cpd telemetry crash would be observed when the LLDP Netconf notification from external controllers along with Netconf services configuration is present on the device Product-Group=junos	On all Junos and Junos Evolved platforms, configuring Link Layer Discovery Protocol (LLDP) with "system services netconf notification" enabled will trigger the l2cpd crash. This crash causes the CPU to spike.
1706116	Alarms were not generated as expected when the Management Interface Link was down Product-Group=junos	On Junos EX3400 device, whenever the Management Interface Link is Down, the alarm was not getting generated as expected.
1716703	The link remains down on connecting the transceiver 10GBASE-T with the serial number starting with "2P1" Product-Group=junos	On all Junos EX platforms, the link does not come up when SFPP-10GE-T transceiver is plugged into the device with serial number starting with "2P1".
1725078	The entPhysicalSoftwareRev MIB object returns Junos OS version value for components which do not run Junos OS Product-Group=junos	The entPhysicalSoftwareRev MIB object returns Juniper OS version value for connected transceivers. This implies that the transceivers run Junos OS which is not in compliance with RFC 6933. For transceivers, entPhysicalSoftwareRev MIB object should return a zero-length string. PR1725078 introduces this fix.
PR Number	**Synopsis**	**Category: EX-Series VC Infrastructure**
1700133	One of the Virtual Chassis members on EX4600-VC might be disconnected	On EX4600-VC, when "request system reboot all members" is executed, post-reboot one of the VC member/Flexible PIC Concentrator(FPC) might disconnect and join the VC back due to Packet Forwarding Engine (PFE) restart. Traffic loss is seen when FPC

	during VC initialization Product-Group=junos	is disconnected.
PR Number	**Synopsis**	**Category: QFX VC Datapath**
1692102	Traffic loss on QFX5100 Virtual Chassis setup due to CRC alignment errors Product-Group=junos	On Junos QFX5100 platforms running qfx-5e images in Virtual Chassis setup, when Virtual Chassis Port (VCP) links are connected between PHY and PHYLESS ports, CRC alignment errors will be seen. As a result, there can be traffic loss on these links.
PR Number	**Synopsis**	**Category: Accounting Profile**
1706085	Firewall filter counters are not written to accounting file when interface-specific knob is used Product-Group=junos	On all Junos platforms, when firewall filters are configured with 'interface-specific' knob to log packet counters on the accounting file using 'accounting-options', firewall filter counters are not written to this file. This causes problem in fetching the filter counters.
PR Number	**Synopsis**	**Category: ChassisD changes specific for ACX series**
1717105	SNMP MIB OID output showing wrong temperature value if device running under negative temperature Product-Group=junos	On all Junos platforms, devices may display wrong temperature values when executing commands. The temperature value is processed as positive integers but not negative integers. Hence, the negative temperature value is showing the wrong value.
PR Number	**Synopsis**	**Category: ACX Interfaces IFD, IFL, vlans, and BRCM init**
1713699	The member interface will not be added to the AE bundle if the link-speed of the AE interface doesn't match that of the member Product-Group=junos	On Junos ACX5048 and ACX5096 platforms, if the link-speed is configured under the aggregated-ether-options hierarchy of the Aggregated Ethernet (AE) interface and the link-speed value does not match with the member link-speed, the member interface will not be added to the AE bundle.
PR Number	**Synopsis**	**Category: AFT l2lam**
1721704	Sending GARP reply packet on a VTEP interface causes flooding in network on QFX5130 and QFX5700 platforms Product-Group=junos	On Junos OS Evolved QFX5130 and QFX5700 platforms, Gratuitous Address Resolution Protocol (GARP) flooding occurs in the network when it receives a GARP reply packet on a Virtual Tunnel End Point (VTEP) interface.
PR Number	**Synopsis**	**Category: MPC Fusion SW**
1716766	A 10G port on a MPC2E or MPC3E 4x10G MIC can randomly flap constantly every few seconds Product-Group=junos	On Junos MX platforms, the interface flaps in every few seconds on the 10G port on 4x10G MIC on MPC2E-NG or MPC3E-NG card whatever cause the interface to go down.

PR Number	Synopsis	Category: MX Layer 2 Forwarding Module
1700073	The device is using the MAC address of the IRB interface even after configuring static MAC for a default gateway Product-Group=junos	On all Junos platforms supporting evpn-vxlan, on configuring static MAC (Media Access Control) address explicitly for a default gateway, the outer ethernet header of the packets are including the MAC address of the IRB (Integrated Routing and Bridging) interface instead of the configured virtual gateway MAC address.
PR Number	**Synopsis**	**Category: a20a40 specific issue**
1645817	Line cards fail to come online state when the device is powered on with multiple cards Product-Group=junos	On SRX5k and MX240/MX480/MX960 platforms, when device is powered on with multiple line cards, power might not be sufficient and few line cards fail to come into online state.
PR Number	**Synopsis**	**Category: chassisd related issues for high-end SRX platforms**
1657958	Archived files created by non-root users may not include some files Product-Group=junos	On SRX 1500, 4100, 4200 and 4600 platforms, the file archive command under a non-root user account may not archive all files under /var/log.
PR Number	**Synopsis**	**Category: BBE dynamic profile related issues**
1714778	PPPoE and DHCP subscriber connection on dynamic VLAN can fail on Junos MX platforms Product-Group=junos	On Junos MX platforms supporting subscriber services, cleanup of a dynamic VLAN (Virtual Local Area Network) session may fail if SDB (Subscriber Database) becomes briefly unavailable. The dynamic VLANs will stay in an active state, but all PPPoE (Point to Point Over Ethernet) and DHCP (Dynamic Host Configuration Protocol) subscriber connection attempts over this VLAN will fail.
PR Number	**Synopsis**	**Category: BBE interface related issues**
1687138	The PIMv6 is not getting enabled for L2TP subscribers Product-Group=junos	On MX platforms, the Protocol-Independent Multicast version 6 (PIMv6) might not get enabled when it is configured over the Layer 2 Tunneling Protocol (L2TP) Subscriber Interface using the Dynamic-profiles.
1715410	The bbe-smgd process is seen to crash if a large scale PWHT configuration is present Product-Group=junos	On all MX platforms in a subscriber scenario, the bbe-smgd process is seen to crash immediately after a configuration change is committed and if a large scale PWHT (Pseudowire Headend Termination) configuration is present.
PR Number	**Synopsis**	**Category: the SMGD redundancy plugin in SMGD**
1718342	In a DHCP ALQ subscriber scenario delete-binding-on-renegotiation knob does not work as expected due to a synchronization error	On Junos platforms, active lease query (ALQ) synchronization between peers is not happening properly. Traffic forwarding impact would be observed if there was a switchover from the Primary to the Backup. The primary router will correctly delete-binding-on-renegotiation and create a new session, but the backup router keeps the old session and old MAC address. (DHCP overrides have delete-binding-on-

	between the primary and the backup routers Product-Group=junos	renegotiation configured and work as expected on the primary router whereas no notification is sent to the backup to delete the session)
PR Number	**Synopsis**	**Category: Bi Directional Forwarding Detection (BFD)**
1673624	[MNHA_PDT] After interface MTU config change, unexpected behavior of BFD connection. Product-Group=junos	Bfd session remains in Up state at one end down state in another side. This can be caused when the session flapped and doesn't age out at one end.
1725971	Multiple flaps of the interface will cause the BFD session to be down Product-Group=junos	On all Junos and Junos Evolved platforms, the IPv4 static route BFD (Bidirectional Forwarding Detection) session may stay down if the corresponding interface flaps multiple times.
PR Number	**Synopsis**	**Category: Border Gateway Protocol**
1680360	InboundConvergencePending flag is set post RE switchover Product-Group=junos	When the BGP EOR (End of Rib) update is received, the BGP flag "InboundConvergencePending" should be cleared on both master and backup RE. However, after performing the RE switchover, the flag "InboundConvergencePending" will reset on the master or backup RE (Routing-Engine), which is unexpected.
1687887	More than expected traffic loss is seen with ECMP FRR enabled during link down scenario Product-Group=junos	On all Junos and Junos Evolved platforms, in a link down/BFD (Bidirectional Forwarding Detection) down event traffic loss is seen to occur more than the expected with ECMP (Equal-Cost Multipath) FRR (Fast Reroute) or BGP PIC (Prefix-Independent Convergence) configured.
1695062	Traffic null routes are observed when it takes a long time to remove the BGP routes from RIB Product-Group=junos	On Junos platforms, if a BGP peer goes down and stays down, the system might take an extremely long time to finish removing the BGP routes. This issue is observed when a BGP peer sends many routes, the system only selects only a small number of routes are as the active routes in the routing information base (RIB), and the BGP delete job gets only a small portion of the CPU time because other work in the routing process is utilizing the CPU.
1739919	An Improper Input Validation vulnerability in the Routing Protocol Daemon (rpd) of Juniper Networks Junos OS and Junos OS Evolved allows an unauthenticated, network-based attacker to cause a Denial of Service (DoS). Product-Group=junos	An Improper Input Validation vulnerability in the Routing Protocol Daemon (rpd) of Juniper Networks Junos OS and Junos OS Evolved allows an unauthenticated, network-based attacker to cause a Denial of Service (DoS). Please see https://kb.juniper.net/JSA71542 for more details.
PR Number	**Synopsis**	**Category: Track PRs in BGP BMP area & is part of BGP inside RPD.**
1713444	The rpd process will crash when BMP is configured Product-Group=junos	On all Junos and Junos Evolved platforms, the rpd process will crash when BGP Monitoring Protocol (BMP) is configured. This will cause rpd to restart and affect routing protocols.

PR Number	Synopsis	Category: Issues related to Common BIOS on x86 based designs
1687790	CPU will not reset automatically and will not work as expected when CAT Error is observed Product-Group=junosvae	Unexpected behavior will be seen on the QFX5120-48Y/QFX5120-48T platforms when any CAT (Catastrophic) error (PCIE/ memory driver issue, defective memory, any PCIE (Peripheral Component Interconnect Express) events like malfunctioning PCIE devices etc) is seen. The switch can also go in the hung state as the CPU is unable to execute the instructions.
1715258	On EX4400 and EX4400-24X platforms, BIOS upgrade is not getting successful via CLI Product-Group=junos	On EX4400 and EX4400-24X platforms, BIOS upgrade is not getting successful via CLI when the system is booted with a secondary partition.
PR Number	**Synopsis**	**Category: BBE Remote Access Server**
1697447	Intermittent authd crash will be seen on Junos platforms in a DHCP subscriber scenario Product-Group=junos	On Junos platforms, authd (Authentication Daemon) crash can be seen intermittently when 'excluded-address' syntax is used to exclude the same IP address which is already in use by the subscriber and the subscriber which holds the IP address will be logged off.
1715490	IPv4 and IPv6 address allocation will be impacted due to changes in address pool configuration Product-Group=junos	On Junos platforms supporting address assignment pools, after changing, deleting, adding the IP address pools and moving the prefix ranges among the pools in a single commit would impact the IP address allocation process. This happens because of the overlapping of address prefixes in the pools.
PR Number	**Synopsis**	**Category: Virtual-chassis platform/chassisd infrastructure PRs for MX**
1706268	FPC offline can be seen on MX-VC during the sequential upgrade Product-Group=junos	On Junos MX-VC (Virtual Chassis), CCL (Chassis Control Link), and CRC (Cyclic Redundancy Check) errors can be seen after FPC (Flexible PIC Concentrator) detach during the sequential OS (Operating System) upgrade of MX-VC system. The CCL and CRC errors are expected after the FPC detaches and eventually, the FPC is marked offline by the MX-VC and there is an unexpected chassisd process restart. The chassisd restarted because of the connection failure between LCC (Linecard Chassis Control) chassisd and SCC (Switch Chassis Control) chassisd which is triggered by the sequence of messages exchanged between the LCC and SCC after the FPC detach event. There will be a traffic impact as the FPC will be offline, and the system recovers to a working state by itself.
1713502	The firmware upgradation will fail for MPC7E line card in MX-VC scenario Product-Group=junos	On MX-VC platforms, the MPC7E firmware upgrade cannot be completed due to the TFTP (Trivial File Transfer Protocol) timeout error due to which the firmware image can't be put into FPC and the upgrade will not get succeed.
PR Number	**Synopsis**	**Category: Class of Service**
1722939	Cos Scheduling hierarchy on PS interface is destroyed when the TCP is modified Product-Group=junos	When a TCP attached on a service IFL is modified, cosd is supposed to destroy the hierarchy and send gencfg messages with new TCP information. LT IFD :: level1 PS transport IFL :: level2 - -> TCP attached here is modified. PS service IFL :: level3 After destroying the hierarchy of level2 and level3 mentioned above, instead of sending the add message which will rebuild the hierarchy, it sends a change message, thus the new hierarchy is not built up while old hierarchy is destroyed. As the PS interface

		hierachy is destroyed because of the events mentioned above, eventhough TCP is present for the service/transport IFL, LT IFD queues would be used for sending the PS traffic.
1725769	The cosd could crash due to upgrade to 21.2R3-S4 with AE specific wildcard and explicit configuration Product-Group=junos	On all Junos platforms, the cosd crash could be observed due to upgrade to 21.2R3-S4 with AE specific wildcard and explicit configuration.
PR Number	**Synopsis**	**Category: L2NG Access Security feature**
1724933	On certain Junos EX and QFX platforms the static ARP entries for DHCP-security are not present Product-Group=junos	On certain Junos EX series switches, the static MAC (Media Access Control) bindings are not present in certain conditions. This issue will be seen when the static DHCP (Dynamic Host Configuration Protocol)-security ARP(Address Resolution Protocol) bindings are moved from an interface having a higher interface number to an interface with a lower interface number. Due to the binding not happening, there will be impact on the traffic. The workaround when such a binding change is done is to restart the DHCP services after the configuration is committed.
PR Number	**Synopsis**	**Category: L2NG RTG feature**
1715518	Traffic loss is seen on RTG bound interface Product-Group=junos	On all Junos and Junos OS Evolved platforms, configuring mac-move with action shutdown can disable the RTG (Redundant Trunk Groups) interface leading to traffic loss bound to that interface.
PR Number	**Synopsis**	**Category: QFX Control Plane VXLAN**
1723968	Traffic loss is seen as Type 2 routes are not pushed even after withdrawing Type 5 routes Product-Group=junos	On all Junos and Junos Evolved platforms with the EVPN (Ethernet VPN) Type 2 and Type 5 Coexistence and when the host route changes from EVPN Type 5 route to non EVPN route in the rpd, traffic loss is observed as Type 2 routes are not getting pushed even after withdrawing Type 5 routes.
PR Number	**Synopsis**	**Category: Device Configuration Daemon**
1682271	Node Slicing: In a rare scenario, the FPC/SLC will get stuck in the ready state after a restart Product-Group=junos	On Junos MX platforms, in a rare scenario, FPC/SLC (Flexible PIC Concentrator/Sub Line Card) may get stuck in the ready state after restarting it and the error message of 'Device busy' will be observed in Syslog.
1712800	On Junos platforms the dcd will flap the IFLs which are part of EVPN routing-instance Product-Group=junos	On Junos platform that support VPLS and/or EVPN, on configuring IGMP-Snooping or VPLS, over Bridge-domain (BD), the data-carrier-detect (dcd) will flap the Logical Interface (IFLs) which are part of this EVPN routing-instance.
PR Number	**Synopsis**	**Category: EVPN ELAN/E-TREE**
1702615	Leaf to leaf traffic flow is observed on Junos ACX5448 platform with EVPN E-Tree	ACX5448 Ingress PE is pushing label 0 instead of leaf label, hence traffic received on other PE is sending traffic out of leaf IFL (Logical Interface).

	configuration Product-Group=junos	
PR Number	**Synopsis**	**Category: ACX platform interface issues**
1715924	SFP-T cannot be recognized after detecting an I2C error on ACX5448 Product-Group=junos	SFP (Small Form-Factor Pluggable)-T can not get discovered on Junos ACX5448 platforms when an I2C (Inter-Integrated Controller) error is seen on the device. When this issue happens 'show chassis hardware' cannot show the SFP-T information. To recover from the issue the issue chassis reboot is required.
PR Number	**Synopsis**	**Category: VPWS, L2 CKT, EVPN-VPWS**
1723624	Traffic is getting discarded in PFE when forwarding-table is changed Product-Group=junos	On Junos ACX series platforms, traffic will be discarded and PFE (Packet Forwarding Engine) has error logs when EVPN-VPWS (Ethernet VPN Virtual Private Wire Service) over unilist towards NNI (network-to-network) side is configured and PFE is restarted. It is a timing issue and is dependent on the order of events received from the control plane.
PR Number	**Synopsis**	**Category: Layer 3 forwarding, both v4+v6**
1695292	Traffic loss is more than expected with OSPF TI-LFA node- protection enabled and the primary path is down Product-Group=junos	On ACX710 and ACX5448 platforms, with Open Short Path First Topology-Independent Loop-Free Alternate (OSPF TI-LFA) Node protection, Layer 3 Virtual Private Network (L3VPN) traffic loss will be more than the expected convergence time when the primary path goes down along with the 4 MultiProtocol Label Switching (MPLS) labels to be programmed in the secondary path.
PR Number	**Synopsis**	**Category: DNX Multicast**
1722277	The multicast packets could hit the CPU/RE on ACX5448 and ACX710 platforms Product-Group=junos	On Junos ACX5448 and ACX710 platforms, multicast packets could hit the CPU/RE when IGMP (Internet Group Management Protocol) snooping is enabled with v4 multicast data traffic running in a VLAN.
PR Number	**Synopsis**	**Category: DNX VPLS**
1722919	Intermittent MAC move is observed in VPLS environment when ACX5448 or ACX710 is acting as a PE device Product-Group=junos	On Junos ACX5448 and ACX710 platforms acting as a PE (Provider Edge) device in a VPLS (Virtual Private LAN Services) environment and multiple CE (Customer Edge) interfaces are bound to a single routing instance, intermittent MAC move is observed. This is a corner case scenario and the MAC move can be triggered due to various reasons and not limiting to mac address time out, L2 loop on the extended network or a congested backbone link connecting the PE devices. The split horizon rule in VPLS fails and the traffic received from VPLS LSI (Label-Switched Interface) is forwarded back towards the MPLS core through the LSI.
PR Number	**Synopsis**	**Category: Gnats category for dynamic rendering infrastructure**
1681777	Invalid XML output can be seen for RPC get response Product-Group=junos	If the configured data has special characters in it, then rpc get output will not escape these special characters and display the data as it is. For example, if we have configured qos class as , then ---- > the response should have default as response value .

PR Number	Synopsis	Category: Firewall related development
1720389	Commit error will not be seen after deactivating routing-instance applied under firewall filter Product-Group=junos	On Junos OS Evolved platforms with enabled firewall filter, deactivating routing-instance which is already applied under the firewall filter, will not show any commit error after commit is issued. This can be seen occasionally and might impact control plane traffic.
PR Number	**Synopsis**	**Category: EVPN control plane issues**
1638776	The rpd core might be seen when the VLAN-id of a bridge domain in an EVPN instance is changed Product-Group=junos	The rpd core might be seen when the VLAN-id of a bridge domain in an EVPN instance is changed.
1713508	A high CPU consumption of mcsnoopd process is seen under IGMP-snooping configured scenario leading to its crash Product-Group=junos	On all Junos and Junos OS Evolved platforms with IGMP-snooping (Internet Group Management Protocol) enabled under instance type EVPN (Ethernet Virtual Private Network) with vlan-id=none or unspecified vlan-id there will be a spike in the mcsnoopd process CPU utilization. This will lead to the mcsnoopd process crash and there will be disruptions in the traffic.
1723832	The rpd core is seen in the long-running devices with EVPN enabled Product-Group=junos	On Junos and Junos Evolved platforms, BGP (Border Gateway Protocol) community object reference count is not handled properly during the process of remote BGP peer routes update event. The community reference count is increasing during the increment function. However, decrement functions are not called in one of the places after processing the routes update. This will lead to a disturbance of the continuity reference count, which will cause an rpd crash.
PR Number	**Synopsis**	**Category: EVPN Layer-2 Forwarding**
1712259	The Anycast Gateway stretched across 2 DCs over the seamless MPLS stitching DCI does not have Anycast Gateway MAC information coming from the remote DC when VLAN and VNI ids are different Product-Group=junos	On all Junos and Junos OS Evolved platforms, the AnyCast Gateway stretched across 2 Data Centres (DC) over the Data Centre Interconnect (DCI) using seamless Multiprotocol Label Switching (MPLS) stitching through Interconnect knob and having different VLAN and Virtual Network Identifier (VNI) ids (e.g., VLAN ID 101 <-- -> VNI 1101), then upon deactivating the Integrated Routing and Bridging (IRB) interface on all the gateways within DC, the AnyCast Gateway MAC information coming from Interconnect-Ethernet Segment Identifier (I-ESI) will not be available in the bridge mac-table and thus, the Inter VLAN/VNI routing will be impacted.
PR Number	**Synopsis**	**Category: EX Chassis Interface Handling**
1635106	EX4300-48MP - LED state stays OFF in the output of show chassis led for 40G port on PIC 2 Product-Group=junosvae	The "show chassis led" output on EX4300-48MP with a 2x40G/2x100G QSFP+/QSFP28 will show the LED as OFF for 40G optics.
PR Number	**Synopsis**	**Category: EX4400 PFE software**

1657597	DHCP packets getting looped in EVPN-VXLAN setup Product-Group=junos	On Junos EX4400, EX4100, and QFX5K platforms in EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) setup, a loop is formed where DHCP (Dynamic Host Configuration Protocol) packets sent from the VTEP (Virtual Tunnel End Point) interface are sent back again causing loop.
1701546	The BFD session will remain in init/down state in the Virtual Chassis scenario Product-Group=junos	On Junos EX and QFX Virtual Chassis platforms configured with Bidirectional Forwarding Detection (BFD) over the Aggregate Ethernet (AE) interface, when the BFD control plane traffic is received on the lag member port which is present as non-anchor FPC of the BFD session, the BFD session will be stuck in the Init/down state. Only single-hop BFD sessions will be impacted.
1710219	Commit convergence gets delayed with a scaled VLAN setup on EX platforms Product-Group=junos	On EX platforms, commit convergence, i.e. the time taken for the new configuration to get processed is delayed as the number of VLANs increases. Since the traffic forwarding cannot start till the convergence is completed, it will have a traffic impact.
1716902	IGML/MLD queries may get dropped if received on a non-master RE VC member when IGMP/MLD snooping is enabled Product-Group=junos	On Junos QFX and EX in the VC (Virtual Chassis) scenario, when switch is acting as pure L2 (Layer 2), and forwarding IGMP (Internet Group Management Protocol)/MLD (Multicast Listener Discovery) query as transit traffic, if IGMP/MLD snooping is enabled then IGMP/MLD queries may get dropped if received on a non-master RE VC member resulting in IGMP/MLD groups to expire.
1718286	DHCP services are impacted as DHCP binding will not work as expected Product-Group=junos	On all Junos and Junos Evolved platforms, all the DHCP (Dynamic Host Configuration Protocol) security services will be impacted as the DHCP-security binding will not work if the DHCP server-facing interface is a VTEP (VXLAN tunnel endpoint) interface.
1731522	The traffic drop will be observed after changing the VSTP VLAN configuration Product-Group=junos	On Junos EX4400, EX4100, EX2300, EX3400, and QFX5K platforms, traffic drop would happen on RSTP (Rapid Spanning Tree Protocol) enabled port attached to a VLAN (Virtual Local Area Network) when the same VLAN has VSTP (VLAN Spanning Tree Protocol) enabled on a different port and there is a configuration change done on VSTP for that VLAN.
1731548	The fxpc process crashes when the next hop information is not properly maintained in the PFE table Product-Group=junos	On Junos EX series deployed as a virtual chassis, post switchover/GRES (Graceful Routing Engine Switchover), next hop information for Type 5 route fluctuates which leads to invalid entries in the PFE (Packet Forward Engine) table and causes the fxpc (Packet Forwarding Engine Manager) process to crash.
1732271	Filter term dropping VRRP traffic when "then log" is configured Product-Group=junos	On all Junos platforms, VRRP (Virtual Router Redundancy Protocol) packet goes to a wrong CPU queue when filter is added to match VRRP packet with "then log" action, resulting in VRRP functionality impact.
PR Number	**Synopsis**	**Category: EX4400 platform**
1696444	Transceiver not detected after it's unplugged and plugged in again Product-Group=junos	On EX4400 and EX4300MP platforms, after JOJI (jack out/jack in), transceiver is not detected in "show chassis hardware".
1700309	EX4400: pps counter does not show correct values for jubmo frames Product-Group=junos	When packets of size bigger than 1518 Bytes are received/transmitted, pps counter value does not show correct value.

1710793	The link does not come up after PIC offline and online operation Product-Group=junos	On EX4400 platforms running Junos OS, the link does not come up after PIC (Physical Interface Card) offline and online operation is performed, either through CLI or after physical PIC removal and insertion , when 1G optics is used on a 4x10G PIC module.
1714116	EX4400 Link/Activity LED is not lit when it transits to the factory default configuration by pressing the Factory Reset/Mode button Product-Group=junos	Press the Factory Reset/Mode button on the far right side of the front panel for 10 seconds. EX4400 transitions into factory-default configuration and the Link/Activity LEDs on the network ports and the QSFP28 ports should be lit steadily in green color but were off.
1715680	The interface phy of PIC 0 comes up causing traffic loss while the device boots/reboots Product-Group=junos	On EX4400-48P/T and EX4400-24P/T platforms, traffic loss is observed when the interface phy comes up of PIC 0 for which the remote end link powers up while the device boots/reboots.
1718825	[EX4400]Alarm PEM is not supported/powered might be seen Product-Group=junos	On EX4400 platform, system alarm 'PEM is not supported/powered' might be seen after removing a power cable from PEM.
1719509	RSTP default configuration is missing when zeroize is performed Product-Group=junos	On Junos EX4400 device, if more than one EX4400 uplink port is connected to another EX4400 uplink port, then with the default factory config there will be a switching loop. This could impact the Zero Touch Provisioning (ZTP) of the device over uplink ports due to a risk of encountering Mac-learning race conditions or loops. If multiple such devices (that are zeroized) are in a VLAN, that could cause unpredictable results for traffic being forwarded.
1726532	EX4400: FPC temperature value is exported incorrectly as 0 in Telemtery server Product-Group=junos	When data is streamed through telemetry with subscription to path /components/component, there is no data present for FPC temperature hence exporting as value 0. There is no functionality impact due to this issue. There is no a workaround for this issue.
1726908	EX SNMP: FRU insertion trap is not generated Product-Group=junos	On EX platforms, insertion SNMP trap is not generated properly while inserting fan tray.
1728725	EX4400 VC: During upgrade/reboot , fxpc core may be seen in a very rare race condition Product-Group=junos	issues aren't always seen. test cases are pre-provisioned and pfe planned restart conditions are randomly seen due to race conditions. System will auto recover after dcpfe core.
1733920	EX4400: When SFPP-10G-T optics insterted in EX4400, IFD doesnt get created Product-Group=junos	When SFPP-10G-T transceiver is inserted in PIC0 ports of EX4400-48F, IFD will not be created.
1738535	On certain EX platforms when 25G DAC in 4x25G is plugged into PIC port does not come up when used as VC Product-Group=junos	On EX4400, 25G (Gigabits) DAC (Direct Attach Copper) in 4x25G in PIC2 (Physical Interface Cards) when used as VC (Virtual Chassis) ports, link is not coming up and complete traffic block is observed. On EX4100, 25G DAC with 4x25G in PIC 1, link is coming up with 10G but only with partial traffic.

PR Number	Synopsis	Category: PFE EVPN / VxLAN related issues on EX platforms
1693967	DHCP binding fails after dot1x authentication in EVPN-VXLAN network Product-Group=junos	On Junos EX4100, EX4400 and EX4650 platforms, in the VXLAN (Virtual Extensible LAN) network, DHCP (Dynamic Host Configuration Protocol), ARP (Address Resolution Protocol) and PING services will get impacted as the DHCP binding fails due to the DHCP offer packet being tagged while egressing out of the DHCP relay agent when Dot1x is authenticated on a port.
1727112	Programming of native-vlan-id on the interface fails and MAC is not learned Product-Group=junos	On all EX4400 and EX4100 devices in virtual-chassis (VC) deployed, in EVPN-VXLAN (Ethernet Virtual Private Network - Virtual Extensible LAN) scenario, with native-vlan-id configured on the interface, MAC (Media Access Control) address is not learned.
PR Number	**Synopsis**	**Category: EX POE**
1713545	The LLDP negotiation response is not sent back to PD when perpetual Power over Ethernet (PoE) is enabled on EX4400 Product-Group=junos	On the EX4400 platform, perpetual Power over Ethernet (PoE) is enabled, and when a device is connected to more than 10 Link Layer Discovery Protocol (LLDP) Power Devices (PD) and PD restarted while perpetual PoE is enabled, the LLDP negotiation response is not sent back to PD.
PR Number	**Synopsis**	**Category: Express PFE FW Features**
1727067	FPC crashes when the firewall filter is configured with above 65k prefixes in a single filter Product-Group=junos	On the below PTX platforms (PTX1000, PTX3000 (NextGen), PTX5000, PTX10008, PTX10016), when prefixes above 65K are configured in a single firewall filter, FPC (Flexible PIC Concentrator) crash would be observed.
PR Number	**Synopsis**	**Category: Express PFE including evpn, vxlan**
1701636	Aggregated Ethernet interface member with vlan-id-list configured not forwarding traffic Product-Group=junos	On Junos QFX10002, QFX10008 and QFX10016 platforms, AE(aggregated-ethernet) interface member with vlan-id-list configured does not forward traffic thus leading to traffic loss.
1718528	Traffic egressing over the EVPN-VXLAN tunnel will drop which has AE interface as underlay Product-Group=junos	On all QFX10K platforms with EVPN-VXLAN (Ethernet Virtual Private Network - Virtual Extensible LAN) configured with AE (aggregate-ethernet) as underlay, complete packet drop is observed in certain scenarios like chassis/FPC reboot or BGP (Border Gateway Protocol) flap which causes the tunnel to be rebuilt along with AE churn.
PR Number	**Synopsis**	**Category: Express PFE L2 fwding Features**
1723545	ECMP traffic is not being forwarded on all QFX10002 platforms after software upgrade Product-Group=junos	ECMP traffic is not being forwarded to L3 interface on all QFX10002 platforms after upgrading to 20.3R1 and later releases when ECMP (Equal-cost multipath) is configured with L3 interface and VTEP (Virtual Tunnel End Point) interface.
PR	**Synopsis**	**Category: Express PFE L3 Multicast**

Number		
1715429	Known multicast traffic is not forwarded when MLD snooping is enabled Product-Group=junos	On Junos QFX10002-60C platforms, complete traffic loss is seen when MLD (Multicast Listener Discovery) snooping is enabled.
PR Number	**Synopsis**	**Category: SRX4100/SRX4200 platform software**
1689990	Minor alarm "FPC Inefficient Port Mapping" won't be cleared Product-Group=junos	In SRX4100/4200 platform, even assigning ports are balanced, minor alarm "FPC Inefficient Port Mapping" might not be cleared.
1701904	The error "usp_ipc_client_reconnect" will be observed after ISSU upgrade Product-Group=junos	On all Junos and Junos Evolved platforms with dual RE or chassis cluster, usp_ipc_client_reconnect error observed after ISSU (In-Service Software Upgrade) performed, RE-PFE communication will impact.
1705679	Unable to onboard SRX on a Yang based Orchestrator Product-Group=junos	On SRX and vsrx platforms, while mounting the Yang modules on Yang based clients/controllers, the devices will not get provisioned.
PR Number	**Synopsis**	**Category: MX Inline Jflow**
1708485	The Inline Flow Monitoring is not working on Junos MX-VC platforms Product-Group=junos	In a Virtual-chassis (VC) scenario on Junos MX platforms installed with MPC7E Flexible PIC Concentrators (FPC), if the inline-jflow Sampling is enabled, the Inline Flow Monitoring will not work as data is not getting exported to the collector.
PR Number	**Synopsis**	**Category: Fast Ethernet interfaces**
1684142	Traffic is getting impacted as interface hold-time is not working with wan-phy framing Product-Group=junos	On all Junos MX series platforms, when hold timer and wan-phy are configured, traffic gets impacted when the link goes down on an interface within the configured hold timer.
PR Number	**Synopsis**	**Category: Kernel software for AE/AS/Container**
1698781	The kernel crash can be seen in the VPLS scenario Product-Group=junos	On Junos platforms, Kernel crashes can happen in VPLS (Virtual Private LAN Service) scenario. This issue is seen when the VPLS has IRB (Integrated Routing and Bridging) interface and the next-hop of IRB is RLT (Redundant Logical Tunnel) interface. This issue is triggered when there is an ARP request sent from the IRB interface. There can be a service impact because of this issue as the device can reboot.
PR Number	**Synopsis**	**Category: ISIS routing protocol**
1699076	The rpd process might crash when SPF is recalculated Product-Group=junos	On all Junos and Junos Evolved platforms, the rpd (Routing Protocol Daemon) process can crash due to periodic SPF (Shortest Path first) recalculation when ISIS (Intermediate System to Intermediate System) connected or direct routes get deleted.

1718734	Unexpected behavior of bandwidth based metric for IS-IS protocol Product-Group=junos	On all Junos and Junos OS Evolved platforms unexpected behavior of bandwidth based metric in IS-IS is seen since actual bandwidth is falling back to 0 bps when one of the member interface of AE (Aggregated Ethernet) bundle (interface-group) goes down.
1725686	Unnecessary SPF calculation is causing high CPU utilization Product-Group=junos	On all Junos and Junos Evolved platforms, very frequent SPF (Shortest Path First) calculation, being caused by leaking multiple prefixes across the IS-IS areas, is causing high CPU utilization.
PR Number	**Synopsis**	**Category: jdhcpd daemon**
1689005	DHCP packets might not be sent to the clients when 'forward-only' is reconfigured under the routing instance Product-Group=junos	On all Junos platforms, reconfiguring 'forward-only' in any routing instance is leading to deactivate of [default:default] jdhcpd filter. Dynamic Host Configuration Protocol (DHCP) packets might not be sent to the clients.
1714260	The DHCPv4 relay will send two option-82 to the server and the DHCP session will not be established Product-Group=junos	On all Junos and Junos OS Evolved platforms, when Dynamic Host Configuration Protocol (DHCPv4) Relay is configured with forward-only mode along with "trust-option-82", DHCP-relay should not add another option 82 to the packet sent to the DHCP server. The DHCP server upon receiving the packet with two option-82 will respond only with 1st header of option-82 which might get dropped by the relay, thus the packet is not forwarded to the DHCP client and the DHCP session won't get established.
PR Number	**Synopsis**	**Category: Adresses ALG issues found in JSF**
1715315	The traffic will be dropped in the DS-Lite+ALG scenario Product-Group=junos	On all Junos MX platforms with MS-MPC/MS-MIC cards in DS-Lite (Dual-stack Lite)+ ALG scenario, the connection between the client and server is not stable and is lost. The failure occurred due TCP keepalive mechanism that is always broken due to wrong data in the generated tcp-tickle packet.
1715918	The first FTPS session will not work on SRX5K platforms leading to a traffic drop Product-Group=junos	FTPS connection to the server will not be successful until the first attempt is aborted and a new connection to the server is made.
PR Number	**Synopsis**	**Category: Flow Module**
1613193	SRX may core-dump when configured with vlan-tagging interface and using PMI Product-Group=junos	SRX4k and SRX5k Series firewalls may encounter a core-dump during route lookup when PMI and vlan-tagging on interface are configured.
1692885	Packet loss is observed for IPSec sessions when PMI is enabled Product-Group=junos	On SRX4k series, and vSRX platforms with PMI (Power-mode) enabled, when using IPSec tunnels, IPSec packets sent out by SRX which contain a small IP packet (less than 64 bytes) may be dropped by a non-Juniper IPSec VPN peer. Power-mode is enabled by default in Junos 21.3R1 and higher.
1733819	The inet6 packet mode	On the SRX branch series, inet6 packet mode (packet-based) throughput drops

	drops traffic significantly Product-Group=junos	significantly. Traffic will be fine until the CPU reaches 100% and random traffic will be dropped.
PR Number	**Synopsis**	**Category: Firewall Network Address Translation**
1712738	Some sessions will not be deleted when the NAT rule is deleted from the system Product-Group=junos	On all SRX platforms with NAT (Network Address Translation) configured, upon deleting a NAT rule the session associated with deleted rule continues to exist in the system, until the connection close initiated by the session. This is a rare timing issue.
PR Number	**Synopsis**	**Category: Firewall Policy**
1713576	The flowd process crash is observed with the security policy updated with changing IP address related to the FQDN Product-Group=junos	On all SRX platforms, the policy gets updated frequently due to changes in FQDN (Fully Qualified Domain Name) resolution. At the same time, any VOIP (Voice over IP) ALGs like SIP (Session Initiation Protocol) were created with old policy data, thus Parallel security policy updation and sip data packet handling led to the core.
PR Number	**Synopsis**	**Category: IPSEC/IKE VPN**
1722122	ISSU is aborted and flowd process crash is observed Product-Group=junos	On SRX1500, SRX4100, SRX4200 and SRX4600 an ISSU (In-Service Software Upgrade) to Junos releases 21.4R3-S3 or 22.2R3 may abort after upgrading one node and flowd coredumps may occur on that node.
PR Number	**Synopsis**	**Category: Security platform jweb support**
1712454	[Jweb] "address-book attach zone" is unexpectedly removed when address-book entry is added or removed by Jweb Product-Group=junos	On SRX platform series, when address-book entry is added or removed by Jweb, "address-book attach zone" might be unexpectedly removed at configuration commit.
1735314	[Jweb] "Exclude selected" is unexpectedly enabled in security policy configuration Product-Group=junos	On SRX platform, when you cancel editing source/destination address in security policy using Jweb, "Exclude selected" is unexpectedly enabled
PR Number	**Synopsis**	**Category: Junos Selective Update infrastructure**
1732878	The Junos Selective Upgrade (JSU) version is not removed post a major Junos upgrade/downgrade Product-Group=junos	There is no functional impact but the previously installed JSU will show up even though it is deleted during major upgrade. This PR will fix that issue. Workaround is to remove /packages/sets/active/junos-version file.
PR Number	**Synopsis**	**Category: Platform infra to support jvision**
1686766	MPC10E line card will reboot due to the sensord crash	On MX platforms with MPC10E line card, for sensor installed by health-mon causing sensord crash resulting in the MPC10E line card reboot.

	Product-Group=junos	
PR Number	**Synopsis**	**Category: Key Management Daemon**
1719216	A stale nat-long-route entry is present in the device causing incoming packets to be dropped Product-Group=junos	On all MX platforms with MS-MPC cards, When there is an active NAT (Network Address Translation) enabled IPSec (IP security) tunnel already present for a particular service-set, any change in the outside logical interface (IFL) becomes a stale entry in the forwarding table causing IKE (Internet Key Exchange) control and data traffic to drop.
PR Number	**Synopsis**	**Category: Layer 2 Circuit issues**
1691295	Post FPC restart CCC status is getting wrongly updated on the local interface Product-Group=junos	On all Junos and Junos Evolved platforms in the L2VPN (Layer 2 Virtual Private Network) scenario, the CCC (Circuit Cross-Connect) link status will remain up after the FPC (Flexible PIC Concentrators) restart, when the CCC status is down between the local PE-CE link.
PR Number	**Synopsis**	**Category: Layer 2 Control Module**
1717267	Traffic loop is seen due to incorrect root bridge ID Product-Group=junos	On all Junos and Junos Evolved platforms, in VSTP (Virtual Spanning-Tree Protocol) topology, whenever a new vlan is added in between previously configured vlan group followed by configuring the system-identifier, the bridge priority will change for existing vlans which might give incorrect system ID or bridge ID creating a traffic loop.
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.
1716270	mac-move-limit : MMAS flag not getting reset after interface recovers due to l2-learning restart Product-Group=junos	MMAS Flag will not be displayed for interface after it recovers due to l2-learning process restart
1723400	Unable to commit configs interface-mac-limit on sub-interfaces with vlan-tagging / flexible-vlan-tagging Product-Group=junos	On QFX10K platforms unable to configure interface-mac-limit on sub-interfaces with vlan-tagging / flexible-vlan-tagging.
1727954	On all Junos and Junos Evolved platforms the l2ald process memory usage is seen to increase over time Product-Group=junos	On all Junos and Junos Evolved platforms service impact is seen due to a consistent increase in l2ald (Layer 2 Address Learning Daemon) memory usage.
PR Number	**Synopsis**	**Category: lacp protocol**
1609618	LACP Member interfaces	When sync-reset feature is enabled on the device then few member interfaces might

	might get stuck in out of sync state. Product-Group=junos	stay in out of sync state even when number of available child interfaces is greater than minimum-links configured for the Lag interface. This will affect the overall capacity of the lag interface .
PR Number	**Synopsis**	**Category: Issues related to Junos licensing infrastructure**
1703200	License will be deleted due to multiple FPC reboot or switchover on QFX/MX VC scenario Product-Group=junos	On all Junos QFX/MX platforms with VC (Virtual Chassis) setup, the license for the existing master could be deleted when the master FPC (Flexible PIC Concentrator) is rebooted and services will be impacted if the reboot or switchover happens again.
PR Number	**Synopsis**	**Category: Port-based link layer security services and protocols that a**
1726264	JSU installation fails when MACsec is configured Product-Group=junos	On Junos and Junos Evolved platforms with PPC based image (Example MX104), JSU (Junos Selective Update) package might not pass configuration validation when the MACsec (Media Access Control Security) configuration is present.
PR Number	**Synopsis**	**Category: For multicast snooping on MX**
1699784	The mcscnoopd process will be stuck in resync state after snooping configuration is deleted and added again immediately Product-Group=junos	On all Junos platforms, when the multicast snooping configuration is deleted and added again immediately, the mcscnoopd (multicast-snooping process daemon) process will be stuck in the resync state, impacting the multicast traffic.
PR Number	**Synopsis**	**Category: Multicast for L3VPNs**
1682573	Core observed with multiple daemons restart Product-Group=junos	On all Junos and Junos Evolved platforms supporting dual-RE (Routing Engine) and NSR (Nonstop Active Routing), a core is observed with multiple daemons restart. There is no functional impact and the system recovers after the restart.
1710323	MVPN tunnel is not synced to backup router Product-Group=junos	On all Junos and Junos Evolved platforms, when OSPF inter-area is configured with segmented provider-tunnel and master undergoes MBB(make-before-break), the multicast route entry on backup router will not have the tunnel name synced with master.
PR Number	**Synopsis**	**Category: MX Timing software**
1724254	On certain Junos MX platforms with SCB3 SyncE fails after enabling PTP Product-Group=junos	On Junos MX platforms having SCB3 (Switch Control Board), the SyncE (Synchronous Ethernet) can be stuck in "Clock_Aborted" state. This issue is seen in release 20.4R3 onwards when PTP (Precision Time Protocol) is operated in hybrid mode, the SyncE failure will hinder the operation of applications like G.8275.1 deployment will fail. There is a fix in 20.4R3-S4 with JSU (Juniper Selective Upgrade) J10.2. Below are the important notes to consider regarding the verification of the fix. - -> JSU upgrade can be performed to replace the clksyncd with fix to address this issue. - -> However, if the system is already in a problem state before the JSU upgrade, a one-time deactivate and activate of "protocols PTP" and "chassis synchronization" configuration is needed to recover from the current problem state after the JSU upgrade of clksyncd is performed.
PR	**Synopsis**	**Category: Track Mt Rainier RE diagnostics software issues**

Number		
1717252	Major chassis alarms and partial service impact is seen after the software upgrade from releases prior to 21.4 (19.4 for example) to 21.4 onwards Product-Group=junos	On certain VMhost platforms (EX92xx, PTX5000, PTX3000, PTX10008, PTX10016, MX240, MX480, MX960, MX2008, MX2010, MX2020, MX10008, MX10016), major chassis alarms "Major Host 0 PCI Device not responding 0x8086:0x154c" are seen after a software upgrade from releases prior to 21.4 (19.4 for example) to 21.4 onwards. Services will be partially impacted post reboot if igb (1GB) interface is used instead of i40e interfaces (10GE) for RE to PFE (Packet Forwarding Engine) traffic.
PR Number	**Synopsis**	**Category: OS IPv4/ARP/ICMPv4**
1681250	The traffic loss duration increases during the LSP switchover Product-Group=junos	On all Junos platforms, the traffic loss duration increases during the LSP switchover. The time consumption for processing indexed NH was more which got reduced due to this fix.
PR Number	**Synopsis**	**Category: FreeBSD Kernel Infrastructure**
1690892	After the VC are upgraded with NSSU and rebooted again, the VCPs constantly flap. Product-Group=junos	Upgraded using NSSU, and then after power cycling the VC, the VC gets unstable and the CPU usage of new master might get too high.
1704032	VM process crashes if a file is shared between the host operating system and the guest operating system using virtFS Product-Group=junos	On Virtual Machines (VM) based platforms running Junos images, files are not shared between the host operating system and guest operating system via Virtual Filesystem (virtFS). When this issue happens, the device will be restarted.
1712855	ICMP packets are received on the management interface even though the destination MAC is not local Product-Group=junos	On all platforms supporting em driver for their ethernet interface, promiscuous mode is enabled by default and hence traffic storm is noticed on the management interface.
1717710	Unable to take recovery snapshots after USB upgrade is performed on ACX710 Product-Group=junos	On ACX710 platform, the OAM (Operations, Administration and Maintenance) volume seems unpopulated when an upgrade is performed with USB (Universal Serial Bus) drive or zeroize media. This leads to failure in taking recovery snapshots.
PR Number	**Synopsis**	**Category: OSPF routing protocol**
1682506	Traffic loss is seen when the router in helper mode deletes the route for the router undergoing graceful restart Product-Group=junos	On all Junos OS and Junos OS Evolved devices, when "no-strict-lsa-checking" is configured and Graceful Restart (GR) is triggered, the router in helper mode deletes the route for the router undergoing GR and results in the traffic loss.
PR Number	**Synopsis**	**Category: Express Chip L3 software**

1713279	Next-hop programming issue at PFE on Junos PTX and QFX10k platforms when the member of unilist is in hold state Product-Group=junos	On PTX Series routers and the QFX10000 line of switches, traffic going over unilist is dropped when unilist member goes from next-hop hold state to unicast/aggregate state.
1738541	Traffic drop observed when next-hop installation fails in a high-scale multicast/unicast scenario Product-Group=junos	On Junos PTX and QFX10K platforms, when the Flabel (Fabric Label) memory exhaustion occurs due to the scaled unicast/multicast next-hops and interface flapping i.e. downstream interfaces of multicast flapping, traffic drop is observed for next-hop installation failure in a high-scale multicast/unicast scenario.
PR Number	**Synopsis**	**Category: Issues related to PKI daemon**
1679067	PKID process crashes when validating the certificate chain of a certificate Product-Group=junos	On all Junos and Junos Evolved platforms that use PKI (Public Key Infrastructure) based certificate management, the pkid process may crash with a core dump while fetching the certificate chain of a certificate.
PR Number	**Synopsis**	**Category: PPPoE functional plugin for bbe-smgd**
1701739	Some PPPoE subscriber connection lost during RE switchover Product-Group=junos	On all Junos platforms, when rpd is busy on standby RE in deleting routes from previous subscriber termination, and followed by new subscriber login in master RE and switchover performed. Some PPPoE subscriber won't come up on new master RE.
PR Number	**Synopsis**	**Category: QFX PFE Class of Services**
1641572	Traffic failure with error message 'Buffers are stuck on queue' after removing and attaching 100G QSFP Product-Group=junos	On QFX5110, traffic failure may be observed after removing and attaching 100G QSFP.
PR Number	**Synopsis**	**Category: QFX5K hostpath**
1721318	Error message "%PFE-3: fpc0 Failed to get ifl for ifl index = XXX" is generated when receives DHCP packet via remote vtep. Product-Group=junos	You may see the following error message in VXLAN environment. This can happen when the device receives DHCP packet via a remote vtep and L3 interface (IRB) is not assiged on the egress interface. Even though there is no DHCP configuration, the packet injection happens and it fails to get IFL index as there is no IRB interface on the egress interface. Oct 7 16:31:51.137 2022 d16-25 : %PFE-3: fpc0 Failed to get ifl for ifl index = 640
1723465	PFE crash is seen on Junos when file-logging is disabled Product-Group=junos	On Junos QFX5K platforms, when file-logging is enabled for ukern_trace handle and the logs are written continuously to the corresponding buffer due to a network issue, disabling file-logging for that handle will cause a PFE crash and will lead to a complete traffic loss.
PR Number	**Synopsis**	**Category: QFX L2 PFE**
1696428	Adding more than 256	On all Junos platforms, the dcd (device control daemon) process crash is observed

	VLANs as name tags on the same interface results in dcd crash Product-Group=junos	when more than 256 VLANs as name tags are added on the same interface.
1715477	Untagged packets get dropped while adding a layer 3 logical unit to an interface with native vlan configured Product-Group=junos	On all Junos platforms, adding a logical layer3 unit to an interface with native vlan configured causes the untagged packets to get dropped.
1725916	On QFX5K platforms, the status of 'ECMP Resilient Hashing' will not be displayed in output of CLI command 'show forwarding-options enhanced-hash-key' Product-Group=junos	On Junos QFX5K platforms, the output of CLI command 'show forwarding-options enhanced-hash-key' does not indicate weather the 'ECMP Resilient Hashing' is enabled or disabled. This is just a display issue with no functional impact.
1732718	QFX5120 VSTP on vlan-bridge may block all packets on "family inet/inet6" interfaces in SP style Product-Group=junos	QFX5120 VSTP on vlan-bridge may block all packets on "family inet/inet6" interfaces in SP style
PR Number	**Synopsis**	**Category: QFX L3 data-plane/forwarding**
1704489	High CPU utilization causes a latency/slowness issue on QFX platforms Product-Group=junos	On QFX5110 and QFX5120 platforms, latency or slowness issue is observed when the traffic is passing through a layer 3 interface configured with just family inet/family inet6 due to unwarranted MAC lookup. This could lead to traffic loss on that interface.
1713133	The dcpfe crashes after restarting l2-learning process on QFX and EX series Junos platforms Product-Group=junos	The dcpfe process crash is observed on EX and QFX Junos platforms after restarting the l2-learning process when flex-hash is configured. It will be recovered automatically after the dcpfe restart
1714701	Traffic blackhole after reboot Product-Group=junos	On all Junos platforms, traffic drops observed when RH (Resilient-Hashing) is configured on a LAG (Link Aggregation Group) interface.
1724675	Traffic loss will be observed with vlan tagging and/or vlan normalisation in a specific design (using a looped cable) Product-Group=junos	Upon upgrade to Junos versions (junos:20.3R2, 20.3R3, 20.3X75-D20, 20.4R2, 21.1R1, 21.2R1), network connectivity is lost for traffic requiring vlan normalization and having DMAC one of the switch's MAC addresses. For example, incoming traffic has two vlans (S-vlan, C-vlan) ingressing on an interface and switch uses a looped link to provide routing via an IRB. --- (S-vlan|C-vlan) -- -> SW_X --- C-vlan -- -> SW_X_irb ARP and L2 learning occurs as expected but upon receiving the frame with DMAC of a local interface, switch takes a route lookup action instead of bridging and vlan normalization due to the frame having DMAC as the MAC of one of its interfaces. Hence, the traffic is not sent via looped cable to the L3 interface.
1732708	SNMP polling Timeout due to OID 1.3.6.1.2.1.31.1.1.1.10.514	When trying to poll information via SNMP, the device stops reponding causing a SNMP timeout, the issue is due to sxe-0/0/0 private interface that is marked as public interfaces which causes it to query kernel for statistics.

	(ifInOctets.514) Product-Group=junos	
PR Number	**Synopsis**	**Category: QFX EVPN / VxLAN**
1686539	The dcpfe process crashes on QFX5k and EX4k platforms Product-Group=junos	On QFX5k, EX4100, EX4300, EX4400, and EX4650 platforms, the dcpfe process crash will be seen when EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) is configured.
1688323	Traffic loss is observed in IP fabric when there is a change in the underlay network Product-Group=junos	On Junos QFX5K series, EX4400 platforms, configuration-change/protocol flapping/port flapping in Ethernet Virtual private network (EVPN) Virtual Extensible LAN (VXLAN) can cause traffic loss (changes related to the underlay network).
1697614	Local multicast traffic forwarding issue can be seen on QFX5K in EVPN-VXLAN OISM setup Product-Group=junos	On Junos QFX5K devices in OISM (Optimised Inter Subnet Multicast) scenario, there can be issues with local multicast traffic forwarding between VLANs (Virtual Local Area network). This issue will be seen when there are similar VLAN and VLANRW (Virtual Local Area Network Rewrite) configurations on AE (Aggregated Ethernet) interfaces and VLAN from the AE interface is deleted. This issue is a rare timing issue and the recovery method is to add a new VLAN on the interface before deleting the existing VLAN config.
1698491	On QFX5K switch, VGA is not working when SP style config is mixed with EP style configuration Product-Group=junos	On QFX5K switch running Junos, VGA (virtual gateway address) is not working when sharing the same VLAN (Virtual Local Area Network) between EP (Enterprise) style and SP (Service Provider)style configuration.
1712175	The dcpfe process crash is seen on QFX5k platforms due to stale vtep entry Product-Group=junos	On all QFX5000 platforms, with VXLAN (Virtual Extensible LAN) configured and due to a stale next hop entry of vtep (vxlan tunnel end point) interface, dcpfe (Dense Concentrator Packet Forwarding Engine) process crash was observed.
1716996	The dcpfe process crashes on QFX5K devices Product-Group=junos	On Junos QFX5K platforms, the dcpfe (Dense Concentrator Packet Forwarding Engine) process will crash occasionally in EVPN-VXLAN (Ethernet Virtual Private LAN - Virtual Extensible LAN) scenarios. As a result, the FPC (Flexible PIC Concentrators) will restart causing traffic loss and recover on its own.
1721316	dcpfe process crash will be seen on the system Product-Group=junos	On Junos specific devices QFX5110/QFX5120/EX4650/EX4400/EX4100, dcpfe crash will be seen during the creation of the network port for VPLAG (virtual port lag).
1730771	Traffic is impacted due to high CPU and dcpfe/fxpc crash (in some cases) in EVPN-VXLAN scenario Product-Group=junos	On Junos QFX5k and EX platforms, a high CPU and dcpfe/fxpc crash (in some cases) is seen in the EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) scenario.
1731583	Traffic drops when any of the VXLAN VLAN is deleted Product-Group=junos	On all Junos platforms whenever any of the EVPN (Ethernet Virtual Private network) - VXLAN (Virtual Extensible LAN) VLAN (Virtual Local Area Network) is removed from the interface having multiple VXLAN VLANs configured, then the VXLAN traffic for all the other VLANs within that interface is seen to get dropped.
1733022	QFX5120 reboots due to deletion of EP style	QFX5120 will reboot without causing a dcpfe crash upon the deletion of EP style(trunk) interface with multiple IFLs and native vlan configured.

	interface with native vlan configured Product-Group=junos	
1738205	Traffic drop observed when encapsulation ethernet-bridge is configured on the AE interface associated with VxLAN VLAN Product-Group=junos	On Junos QFX5K and EX4650 platforms, no mac-learning on the interface results in traffic drop due to hardware programming not being updated for the child interface under AE (Aggregated Ethernet) when encapsulation ethernet-bridge is configured on the AE interface associated with VxLAN (Virtual Extensible LAN) VLAN.
PR Number	**Synopsis**	**Category: QFX10008/16 QFX10002 Ultimat/Elit platform related issues -**
1695183	PTX1000 resources exhaustion causing host loopback wedge Product-Group=junosvae	Junos PTX1000 platforms will experience resource exhaustion 64 days after the reboot. Due to this the device will drop all the control plane traffic resulting in complete service impact. see https://kb.juniper.net/TSB71154
PR Number	**Synopsis**	**Category: QFX5100 Interface related issues**
1665800	Ports with SFP-T 1G plugged in may go to hung state on QFX5100 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.
PR Number	**Synopsis**	**Category: QFX5200/5110/5120/5210 Platform optics related issues**
1660532	The port LEDs do not light up when 40G/100G physical interfaces are up. Product-Group=junosvae	The port LEDs do not light up when 40G/100G physical interfaces are up. This is a display issue. There is no service impact when this issue occurs.
PR Number	**Synopsis**	**Category: QFX5200/5110/5120/5210 Platfom issues**
1696119	Traffic drop is observed for the VCP ports when there is traffic congestion in the egress queues Product-Group=junos	On QFX5110 with Virtual Chassis configured, if any of the egress queues 3 or 4 is congested it causes buffer stuck error messages and traffic drop on the VCP (Virtual Chassis port) ports.
1707094	The FPC crash can be seen on QFX5k platforms during simultaneous soft and hard OIR of SFP Product-Group=junos	On all Junos QFX5k platforms, the FPC (Flexible PIC Concentrator) crash can be seen. This is a timing issue when soft OIR (Online Insertion and Removal) and hard OIR of the SFP (Small form-factor pluggable) is done at the same time, this triggers the PFE (Packet Forwarding Engine) crash, and consequently, the FPC restarts. There will loss to data plane traffic when the FPC restarts.
1709938	VC members are split when removing and inserting em0 cable Product-Group=junosvae	On QFX5120-48YM, QFX5120-48Y-8C, QFX5120-32C and EX4650-48Y platforms, when the management em0 cable is removed and reinserted in the Virtual Chassis (VC) environment, the VC members will split into separate VCs. The VC members will remain in the split state for approximately 5 mins.
1725116	The 100G interface will remain down post rebooting	On the Junos QFX5200 platform, sometimes upon restarting the device the 100G link will not come up and will remain down, impacting the traffic flowing through it.

	the device Product-Group=junosvae	
PR Number	**Synopsis**	**Category: Indirect nexthop routing infrastructure**
1692776	The rpd crash will be observed when there is a temporary recursion loop and routes are flapping Product-Group=junos	On all Junos and Junos Evolved platforms, the rpd process crashes when a temporary recursive loop forms. This happens when a BGP route flaps and while the options 'multipath-resolve' and 'preserve-nexthop-hierarchy' are configured.
PR Number	**Synopsis**	**Category: Issue related to mcnh routing infrastructure within RPD**
1718510	RPD cores when routing churn happens, if RE restart was missed after configuring FMBB knob Product-Group=junos	On PTX EVO platforms, rpd cores when routing churn happens, if RE restart was missed after configuring FMBB knob.
PR Number	**Synopsis**	**Category: RPD Next-hop issues including indirect, CNH, and MCNH**
1652387	The rpd process might crash with back-to-back rpd restarts Product-Group=junos	On all Junos and Junos Evolved platforms, the rpd process might crash if the rpd process restarts back-to-back before the rpd process comes up.
1655052	Momentary traffic drop observed for 2 to 3sec while RE switchover Product-Group=junos	RE switchover may result in a momentary traffic drop for about 2 to 3 sec, In EVPN-VXLAN setup with EVPN type 5 traffic and NSR configuration.
PR Number	**Synopsis**	**Category: RPD policy options**
1662909	When changing static route's next-hop using OpenConfig, the next-hops may not display correctly Product-Group=junos	When changing static route's next-hop using OpenConfig, the next-hop still shows under static route, discrepancy between OC stanza and Junos-yang
1706143	Issue in committing more than 23, 4-byte AS on Junos and Junos Evolved platforms Product-Group=junos	On all Junos and Junos Evolved platforms, when a 4 byte autonomous system (AS) number is committed with more than 23 as-path in as-path-prepend policy it gives "rpd string" error and the configuration commit fails.
PR Number	**Synopsis**	**Category: RPD route tables, resolver, routing instances, static routes**
1716153	Multipath route is not getting compute and skip the multipath eligibility check Product-Group=junos	On all Junos platforms, multipath route will not be formed correctly when a BGP route is received from RR (Route Reflector) and preference decided based on cluster list length.

PR Number	Synopsis	Category: Resource Reservation Protocol
1681403	In the RSVP-TE scenario, with Entropy label capability is enabled during MBB issues handling Resv Messages Product-Group=junos	On all platforms with entropy-label configured, the issue shows up during Make-Before-Break (MBB) at a transit Juniper node when non-Juniper Egress constructs and sends a Resv message with multiple flow-descriptors (includes descriptors for both old and new instances). Juniper transit device has an issue handling such Resv Messages, the RRO object that is part of the flow-descriptor was getting dropped when the LSP_ATTRIBUTES object was also present within the flow-descriptor.
1690110	Traffic is not load-balanced when one of the next-hop LSP is down Product-Group=junos	On all Junos and Junos Evolved platforms, in the multi-LSP next-hop load-balance scenario, in case any one of the label-switched path (LSP) is down, the traffic will not be load-balanced to the rest of the LSPs, due to the weight of LSP next hops not being set correctly.
1703424	Pathtear message is not forwarded by PLR to merge point which is causing data plane blackholing Product-Group=junos	On all Junos and Junos OS Evolved platforms, the PLR (point of local repair) is not sending the pathtear message when the merge point supports the enhanced FRR while the route reaching the neighbor is using a shortcut route under MVPN (Multicast Virtual Private Network) configured scenario.
1713392	PathErr with RoutingProblem error code generated unexpectedly during dual failure local repair Product-Group=junos	When an LSR acts as a Point of Local Repair (PLR) as well as a Merge Point (MP) for an LSP during a double failure scenario, the LSR incorrectly originates one or two PathErr messages with RoutingProblem (code=24/2) instead of originating PathErr with NotifyError (code/subcode=25/3). This will not cause any service impact if the ingress LER would not react adversely to RoutingProblem error (code=24/2).
PR Number	**Synopsis**	**Category: RPD API infrastructure**
1693567	PDT: ONDATRA: context deadline exceeded observed on while adding NH , IPv4 Product-Group=junos	Few times, the execution of gribi Modify RPC can fail due to deadline exceeded error. There are two scenarios when this can happen: 1. When the response from Junos device takes longer than a minute to arrive: Some requests which require FIBACK can get timed out because fib acks may be delayed. 2. When the response never arrives from Junos device - This is a rare scenario. In this scenario, it has been noticed that the proxy gateway on Junos doesnt propagate the subsequent requests on existing RPC to the endpoint daemons, hence those requests are notserved properly.
PR Number	**Synopsis**	**Category: SW PRs for SCBE3 fabric**
1724007	Complete traffic blackhole from one PFE to another on fabric links after injecting/reporting CRC errors on fabric links of MX10008 Product-Group=junos	On the MX10008 platform, the low-priority stream might be marked as a destination error and as a result, the low-priority stream is stuck and all traffic might get dropped. Complete traffic blackhole is observed from one PFE to another.
PR Number	**Synopsis**	**Category: Bug and Review Tracking for Segment routing traffic eng**
1655518	SRv6 END.DT46 and END.DT4 configuration might not be Supported Product-Group=junos	On PTX Junos platforms in Segment Routing IPV6 (SRv6) scenario, when END.DT46 and END.DT4 configured, traffic might be dropped.

1720031	The rpd process crash will be observed while creating/updating the PCEP tunnel Product-Group=junos	On Junos and Junos OS Evolved platforms, when SR (Segment Routing) PCEP (Path Computation Element Protocol) provisional tunnel is configured along with the template but the template has delegation configured, then the PCEP update message received for creating/updating tunnels is causing the rpd process crash and tunnel creation/update will fail for PCEP provisional tunnel.
PR Number	**Synopsis**	**Category: Remote Access VPN issues on SRX**
1715297	The nsd process may report an error msg Product-Group=junos	On SRX platforms, nsd process may report harmless an error msg during the commit.
PR Number	**Synopsis**	**Category: SRX branch platforms**
1646943	No system or chassis alarm will be seen when device booting from backup partition Product-Group=junos	On Junos SRX branch platforms, when the device boots up from the backup partition, the alert message will not be notified in "show system alarm". This issue has been seen from Junos 19.4R2 release.
PR Number	**Synopsis**	**Category: Stout cards (MPC7, MPC8, MPC9) microkernel issues**
1727427	FPC crash observed when the ASIC usage is high Product-Group=junos	On platforms with MS-MPC/MPC1/2/3/4/5/6/7/8/9 line cards and EX9200/EX9204/EX9208/EX9214/EX9251/EX9253 series devices, route churn (add or deletes) when the ASIC usage crosses a threshold (ASIC usage is high) which leads to a FPC crash.
PR Number	**Synopsis**	**Category: MX10003/MX204 MPC defects tracking**
1689644	A 1G port on a QSFPP-4x10G transceiver will be down sometimes after the FPC restart Product-Group=junos	On MX204 device, a QSFPP-4x10G transceiver configured at 1G speed sometimes stays down after a FPC restart. Traffic will not pass through the port.
1705461	Traffic blackhole in the event of a link failure (Rx LOS) for 1GE-SX/LX optics Product-Group=junos	On MX204, MX10003, and EX9251 platforms with 1GE-SX/LX optics, traffic blackhole will be observed when gigether-options without auto-negotiation is configured. The issue happens when the link on the local side goes down, but the link on the remote end remains up. On 1G speed ethernet, auto-negotiation is responsible for exchanging Remote-fault and additional capability options (Pause, etc) between link partners. So any link failure (Rx LOS) will not be reported to the remote end via Remote-fault if the interface is configured without auto-negotiation in speed 1G mode.
PR Number	**Synopsis**	**Category: MX10002 Platform SW - Platform s/w defects**
1721714	BFD session failed when configured on the loopback sub interface Product-Group=junos	On the MX10003 and MX304 platforms, BFD (Bidirectional Forward Detection) session failed to come up when configured on the loopback sub interface.
PR Number	**Synopsis**	**Category: SRX-1RU platfom datapath SW defects**

1712167	Ping drop is observed between directly connected devices in SRX4600 Product-Group=junosvae	On Junos SRX4600 platform may encounter upto 25% packet packet loss after upgrade to Junos image using FPGA v1.63.
PR Number	**Synopsis**	**Category: ZT/YT pfe qos software issues**
1715149	DSCP field in IPv4 header is incorrectly re-written Product-Group=junos	On Junos platforms that support MPC10/MPC11/LC9600 line cards, whenever there is a rewrite rule configured to rewrite the DSCP bits on transit router in core network, packet loss are observed in the destination due to incorrectly re-written DSCP field in IPv4 header.
PR Number	**Synopsis**	**Category: ZT/YTpfe bridging, learning, stp, oam, irb software**
1700321	VLAN tags are imposed incorrectly when traffic is routed over IRB going out of the access interface Product-Group=junos	On MX platforms, traffic egressing on the IRB (Integrated Routing and Bridging) interface with the underlying L2 (layer2) access port has VLAN tags imposed incorrectly.
1708264	Adaptive Load Balancing (ALB) fails to load balance the VPLS traffic properly on MX platforms with MPC10, MPC11 and LC9600 Product-Group=junos	On MX platforms with MPC10, MPC11 and LC9600, Adaptive Load Balancing does not work for an unicast traffic over VPLS (Virtual Private LAN Service) on the exit interfaces.
1713523	When VPLS is enabled on the LT interface, unknown unicast traffic is forwarded rather than discarded Product-Group=junos	On MX platforms with MPC10/MPC11/LC9600 line cards, when the Logical Tunnel (LT) interface is configured with family Virtual Private LAN Service (VPLS) and VLAN, unknown unicast traffic on this line card forwards the traffic instead of discarding it. Hence the services configured on the LT interface which will use unicast traffic are affected.
PR Number	**Synopsis**	**Category: ZT/YT pfe l3 forwarding issues**
1719763	L2 circuit connection not working with flow-label knob Product-Group=junos	On Junos MX platforms, packet drop is seen in Layer 2 circuit when flow-label is enabled along with control-word and the egress Provider Edge (PE) core facing interface is on MPC10E/11E/LC9600/MX304-LMIC16. Certain flows will get punted to RE (Routing Engine) instead of getting forwarded.
PR Number	**Synopsis**	**Category: ZT/YT pfe, vpls, mesh group software**
1695438	The BUM packets are getting dropped on MX platforms during egress processing due to PFE mismatch Product-Group=junos	The BUM (Broadcast, Unknown Unicast, and Multicast) packets are getting dropped at egress processing on all MX platforms due to an interoperability issue of MPC1/MPC2/MPC3/MPC4/MPC5/MPC6/MPC7/MPC8/MPC9 with MPC10/MPC11/LC9600 line card. It is observed when equal-cost multipath (ECMP) is enabled for the load-sharing data for an incoming traffic destined to the neighbours. It can be seen with any ECMP traffic distribution configuration.
PR Number	**Synopsis**	**Category: Trio LU, IX, QX, MQ chip drivers, ucode & related SW**
1720591	In a rare case FPC crashes	On all Junos platforms, in a rare scenario, GRES (Graceful Routing Engine switchover)

	and reboots generating a core Product-Group=junos	may result in LACP (Link Aggregation Control Protocol) on the new master being down which may cause an FPC crash.
PR Number	**Synopsis**	**Category: Issues related to broadband edge apps (PPP, DHCP) on Trio ch**
1685278	The heap memory leak will be observed during the subscriber logout Product-Group=junos	On MX platforms with the line cards MPC3E-NG/MPC5/MPC7/MPC8/MPC9 and accurate accounting is configured for subscribers, when a lot of subscribers logout which was running for a very long time then heap memory leak would be observed.
1706446	No network reachability when enabling the routing-service knob for PPPoE subscribers over AE Product-Group=junos	On all Junos platforms configured with PPPoE subscribers, when the PPPoE (Point-to-Point Protocol over Ethernet) subscriber is configured on the AE (Aggregated Ethernet) interface while enabling the routing-service knob, the service will not get enabled and the subscriber traffic gets impacted.
PR Number	**Synopsis**	**Category: Trio pfe qos software**
1704129	Traffic is blocked on a queue when enhanced priority mode is configured Product-Group=junos	On MPC1-9, JNP10K-LC2101, JNP10003-LC2103, JNP10K-LC480 line cards, with scheduler map configuration change in enhanced priority mode, traffic is blocked on a queue.
1714429	The DEI bit will not be copied in the inner VLAN tag although the incoming traffic has the DEI bit set Product-Group=junos	On all Junos platforms, there might be a service impact if the DEI (Drop eligible indicator) bit is used to decide if the packet needs to be dropped or not as the DEI bit will not be copied in the inner VLAN tag although the incoming traffic has the DEI bit set. The issue will happen when the dot1p (IEEE 802.1p) rewrite is bound to the egress interface with inner and outer tag options in the P2P (Point-to-Point) L2VPN (Layer 2 Virtual Private Network) environment.
PR Number	**Synopsis**	**Category: Trio pfe bridging, learning, stp, oam, irb software**
1696106	Packets received from type-5 tunnel are not sent out to local CE in EVPN-VxLAN scenario Product-Group=junos	IIn EVPN-VxLAN scenario, traffic drop can be seen for some local CEs which are multihomed to at least one MX Router as the packets
PR Number	**Synopsis**	**Category: Trio pfe l3 forwarding issues**
1700203	DHCP offer requests are dropped while routed towards different VRFs of transit router Product-Group=junos	On all Junos platforms with route leaking and no-snoop configuration, DHCP (Dynamic Host Configuration Protocol) offer requests could be dropped while traversed to different VRFs (Virtual Routing and Forwarding) from default RI (Routing Instance).
1714656	Incorrect Destination MAC and Source MAC addresses while processing transit packets over LT IFL Product-Group=junos	On MX platforms with MPC10, MPC11, LC9600, and MX304-LMIC16, while processing transit packets over LT IFL (logical interface) incorrect Destination MAC and Source MAC addresses are observed when the Ethernet encapsulation type is configured on the LT interface.
PR	**Synopsis**	**Category: Junos Automation, Commit/Op/Event and SLAX**

Number		
1689567	Translation scripts from new image not being used for validation during upgrade Product-Group=junos	On all Junos platforms, when performing software add/validation, configuration validation may fail because during validation translation scripts from the old(current) image is used instead of the translation scripts from the new image.
PR Number	**Synopsis**	**Category: UI Infrastructure - mgd, DAX API, DDL/ODL**
1638847	The mustd process crash might be observed with persist-group-inheritance Product-Group=junos	On all Junos and Junos Evolved platforms configured with persist-group-inheritance, which is enabled by default from 19.4R3 onwards, might lead to mustd process crash in highly scaled configuration.
1648744	JDI-RCT:M/Mx: While removing VRRP configs and adding them back, mgd process stuck at 100% and router hangs forever. Product-Group=junos	While removing VRRP configs and adding them back, the mgd process stuck at 100% and the router hangs forever.
1730336	The rpd crashes and the commit operation fails while pushing a large configuration with the "extend-size" knob enabled Product-Group=junos	On all Junos platforms, when the 'extend-size' knob is configured and a scaled configuration is committed, the rpd daemon crash is seen and the commit operation fails.
1730442	Device boots up even with incompatible configuration Product-Group=junos	When 'no-validate' option is used during upgrade, presence of configuration not compatible with target software version leads to the device going into amnesiac state on first reboot. But when the device is rebooted again it boots up with the incompatible configuration and SSH (Secure Socket Shell) is restored.
PR Number	**Synopsis**	**Category: Issues related to NETCONF**
1709056	Unable to upgrade Junos using NetConf or Junos script Product-Group=junos	On all Junos and Junos OS Evolved platforms, if RPC get-configuration is invoked before RPC request-package-add in the same session of the NETCONF or Junos script, RPC request-package-add will not work.
PR Number	**Synopsis**	**Category: web filterig issues**
1715260	utmd core has seen at commit when *.* or *.*.* is configured at url-pattern Product-Group=junos	When url-pattern contains '*.*' or '*.*.*', utmd core is generated and commit fails .
PR Number	**Synopsis**	**Category: VMHOST platforms software**
1686825	The pre-installed optional packages and JSUs will be lost after a VMHost rollback Product-Group=junos	On VMHost based platforms, the pre-installed optional packages and Junos Selective Update (JSU) packages will be lost when a VMHost reboot is performed after VMHost rollback.

1726775	Upgrading the i40e NVM Firmware on Routing Engines with VM Host Support Product-Group=junos	Steps for Upgrading the i40e NVM Firmware on Routing Engines with VM Host Support is described in https://www.juniper.net/documentation/us/en/software/junos/junos-install-upgrade/topics/task/vmhost-nvm-upgrade.html i40e NVM version 6.01 is the prerequisite to install a LTS19 based image, else image installation will fail. This prerequisite is not needed now.
PR Number	**Synopsis**	**Category: Virtual Router Redundancy Protocol**
1683871	If VRRP authentication key is more than 16 characters it is ignoring remaining characters Product-Group=junos	VRRP returns error if the authentication key exceeds 8 characters for simple and 16 for md5.
1720943	Issue in VRRP inline adjacency whenever a master router uplink goes down on MX platforms Product-Group=junos	On all Junos MX platforms, when "set protocols vrrp delegate-processing" knob is enabled in Virtual Router Redundancy Protocol (VRRP) protocol and VRRP track is also enabled for uplink interfaces in that scenario if the master router uplink fails and the master priority remains higher than the backup router even after the master router uplink failure, this results in an issue with VRRP inline adjacency.
PR Number	**Synopsis**	**Category: VSRX platform software**
1711440	VLAN tagging does not work for vSRX3.0 on HyperV Windows Server 2019 Datacenter Product-Group=junos	VLAN tagging for vSRX3.0 on HyperV Windows Server 2019 Datacenter is not working.
PR Number	**Synopsis**	**Category: Track Windriver Linux issues**
1689100	Integration of RCP binary into the LTS19 code for Vmhost Platforms Product-Group=junos	With RCP, the system no longer depends on ssh root-login configuration when upgrading software. See https://kb.juniper.net/TSB18224 and PR1660446
PR Number	**Synopsis**	**Category: usf service set related issues**
1728510	SNMP walk timeout for NMS Product-Group=junos	On Junos MX platform with SPC3 card, NMS (Network Management System) times out when polling any data from jnxSpSvcSetIfTable OID.

21.4R3-S4 - List of Known issues

PR Number	Synopsis	Category: Software build tools (packaging, makefiles, et. al.)
1669809	messages: "At least one package installed on this device has limited support" seen with login Product-Group=junos	With impacted releases, while login to the system, below messages are shown: At least one package installed on this device has limited support. Run 'file show /etc/notices/unsupported.txt' for details. The issue was due to build and publish scripts and not in the source code,

		which have fixed in releases after 2022/6/29. *Resolved In:*
PR Number	**Synopsis**	**Category: Daily JUNOS build failures - automated builder use only**
1691209	Use latest os-package when upgrading Product-Group=junos	Upgrade to 22.3R1 while using os-package published between July 2022 and November 2022 may incorrectly link os-libs package *Resolved In:* junos:21.2R3-S4 junos:21.3R3-S3 junos:21.4R3-S2 junos:22.1R3-S1 junos:22.2R2-S1 junos:22.2R3 junos:22.3R1-S2 junos:22.3R2 junos:22.4R1 junos:22.4R2
PR Number	**Synopsis**	**Category: L2NG SFLOW feature**
1699585	Adaptive sampling will not work if the system clock is turned backward Product-Group=junos	On Junos platforms, if the system clock is turned backward then adaptive sampling will not work. *Resolved In:* junos:20.4R3-S6 junos:21.4R3-S3 junos:22.2R3 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.2R1
PR Number	**Synopsis**	**Category: EX4300 Filters implementation**
1699777	TCAM space might be exhausted when learning DHCP snooping entries on a trusted port Product-Group=junos	On EX, QFX5k, and MX platforms having persistent binding for DHCP (Dynamic Host Configuration Protocol) snooping configured might cause TCAM (Ternary Content Addressable Memory) space exhaustion for DHCP snooping learning on the trusted port after the device reboot. *Resolved In:* junos:20.4R3-S6 junos:21.1R3-S5 junos:21.2R3-S4 junos:21.3R3-S4 junos:21.4R3-S3 junos:22.1R3-S1 junos:22.2R2-S2 junos:22.2R3 junos:22.3R1-J2 junos:22.3R2 junos:22.3R3 junos:22.4R1-S1 junos:22.4R2 junos:23.1R1
PR Number	**Synopsis**	**Category: EX2300/3400 platform**
1692579	Few uplink ports of EX2300-48MP are not coming up Product-Group=junos	Connecting 1G transceiver to port 4 or 5 (ge-0/1/4 and ge-0/1/5) of PIC 1 (Physical Interface Cards) of EX2300-48MP causes link down. *Resolved In:* junos:21.4R3-S3 junos:22.2R3 junos:22.3R2 junos:22.3R3 junos:22.4R1 junos:22.4R2 junos:23.1R1
1700093	JUNOS_REG:EX2300-48MP:FXPC core is seen with Backtrace dcbcm_discover, pic_discover, cmqfx_pic_sw_init, cmqfx_all_pic_sw_init, cmqfx_module_init, , module_entry_thread Product-Group=junos	Release note needed *Resolved In:*
PR Number	**Synopsis**	**Category: Anything related to Multicast**
1461339	Mcast traffic drops is observed with the following error message: brcm_rt_ip_mc_ipmc_install.	Following two Failure messages seen brcm_rt_ip_mc_ipmc_install:2455 Failed (Invalid parameter:-4) This message is due to IPMC Group being used is not created, when RE tried to add this check indicates there is

	Product-Group=junos	a parameter mis-match. brcm_rt_ip_mc_ipmc_install:2455 Failed (Internal error:-1) This message is due to Failure to read IPMC Table or any memory/register *Resolved In:*
PR Number	**Synopsis**	**Category: SRX DNS DGA and tunneling related**
1727122	Nstraced process is running high on the primary node after the Junos upgrade Product-Group=junos	On all Junos SRX/vSRX platforms, nstraced process spikes to 100% usage after upgrading to Junos version 21.4R3-S2 or any later releases without having any traces/debugs explicitly configured in the RE (Routing Engine) or PFE (Packet forwarding Engine) of the device. *Resolved In:* junos:22.1R3-S3 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: ACX MPLS**
1726711	[ACX5048] L2circuit might drop forwarding traffic after flaps although it's in UP state; acx_rt_ccc_eth_vpws_vpn_uni_port_add:UNI VPWS port_add failed AC-IFL: <> VPN: <> (-15:Invalid configuration) Product-Group=junos	- Upon multiple operations of deactive/active of the interface, pfe related mpls uni port stale entry might be created with invalid match vid due to which tagged traffic start dropping. - If the system is in the issued state, then the problematic l2circuit might be identified with the error logs seen below upon l2circuit flaps. fpc0 acx_bcm_mpls_uni_port_delete: VPWS port_del failed VPN: 12443 (-7:Entry not found) fpc0 acx_bcm_mpls_uni_port_add: NNI VPWS port_add failed (-15:Invalid configuration) fpc0 acx_rt_ccc_eth_vpws_vpn_uni_port_add:UNI VPWS port_add failed AC-IFL: 715 VPN: 12443 (-15:Invalid configuration) - Upon the l2circuit hits the issue, even if it's up and running after the flap, it might drop all traffic forwarded. *Resolved In:* junos:20.4R3-S8 junos:21.2R3-S6 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: A15 specific issue**
1738188	Failover can be seen on SRX5K cluster with SPC2 cards while executing RSI Product-Group=junos	On all SRX5000 series platforms with SPC2 cards configured in a chassis cluster, when RSI is being collected which has the command 'i2csc fpc' in the script, an interrupt storm generates a CB (Control Board) alarm which triggers a failover. Intermittent traffic disruption could be seen till the failover is complete. *Resolved In:* junos:21.2R3-S6 junos:21.3R3-S5 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: BBE OS Infrastructure library**
1732216	'max-db-size' configuration is optional in routers having DRAM greater than or equals to 32GB Product-Group=junos	On Junos MX platforms, to enable Enhanced Subscriber Management feature without 'max-db-size' configuration on router >=32GB DRAM(Dynamic Random Access Memory), router needs to be rebooted only once instead of rebooting twice. *Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:20.2R3-S4-J9 junos:21.2R3-S5-J3 junos:21.2R3-

		S6 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: BBE packet trigger access model issues**
1726136	PTSP subscribers are stuck in 'configured' state Product-Group=junos	On MX platforms supporting packet-triggered subscribers and policy control (PTSP) feature, a high percentage of packet triggered subscribers are getting stuck in 'Configured' state due to an authentication failure. *Resolved In:* junos:20.4R3-S3-J15 junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	**Synopsis**	**Category: Border Gateway Protocol**
1670715	The rpd might crash when running BGP-LS EPE configuration with RIB sharding enabled Product-Group=junos	The rpd might crash when running BGP-LS (Border Gateway Protocol - Link-State) EPE (Egress Traffic Engineering) configuration with RIB sharding enabled since the label allocation is only allowed in the main thread. But the shards thread was trying to allocate the label during EPE config parsing. *Resolved In:* evo:22.3R3-EVO evo:22.4R2-EVO evo:23.1R1-EVO junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R2 junos:23.1R1
1690213	BMP will not send EOR message Product-Group=junos	On all Junos and Junos Evolved platforms, BMP(BGP Monitoring Protocol) will not send EOR(End of RIB) message for some releases. This will impact some data collections. *Resolved In:* evo:22.2R3-EVO evo:22.3R2-EVO evo:22.4R2-EVO evo:23.1R1-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:22.2R3 junos:22.3R2 junos:22.4R2 junos:23.1R1 junos:23.2R1 junos:23.3R1
1705938	The BGP sessions will flap after the RE switchover Product-Group=junos	On all Junos and Junos OS Evolved platforms with dual RE (Routing Engine) or VC (Virtual Chassis) with NSR enabled scenarios, in some rare BGP scaled scenarios upon RE switchover the new Master RE will send out a route refresh message to all the peers, which is not expected. This will eventually lead to the BGP session flap. *Resolved In:* evo:22.3R3-EVO evo:22.4R2-S1-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:21.2R3-S5 junos:22.2R3-S1 junos:22.3R3 junos:22.4R2-S1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
1712527	The PE advertises incorrect next-hop towards CE although BGP export policy configured with next-hop under policy-statement Product-Group=junos	The show route advertising-protocol bgp reporting nexthop self rather than IP in the configured policy-statement for next-hop. *Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:21.3R3-S5 junos:22.4R2-S1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
1728455	The rpd process crashes when BGP is cleaned up Product-Group=junos	On Junos and Junos OS Evolved platforms, if static default RT-C (Route Target -Constrain) is configured when Border Gateway Protocol (BGP) is cleaned up (whole BGP is cleaned up), the routing process will crash. *Resolved In:* evo:21.2R3-S6-EVO evo:21.3R3-S5-EVO evo:22.1R3-S3-EVO evo:22.3R3-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO

		evo:23.2R2-EVO evo:23.3R1-EVO junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.3R3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
1728604	Traffic impact is seen when there is a single peer in the proxy BGP group connected to the BGP route reflector Product-Group=junos	On all Junos and Junos OS Evolved platforms, if the proxy BGP (Border Gateway Protocol) route reflector is connected to the only peer present in the BGP group then it stops advertising the routes coming from the remote cluster and that leads to proxy route-target routes not getting added which causes traffic disruption. *Resolved In:* evo:21.2R3-S6-EVO evo:21.3R3-S5-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:21.2R3-S6 junos:21.3R3-S5 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: BBE Remote Access Server**
1687998	The authd process crashes during GRES recovery phase Product-Group=junos	On MX platforms, during recovery phase of Graceful Routing Engine Switchover (GRES), authd process crashes. *Resolved In:* evo:22.2R3-EVO evo:22.3R2-EVO evo:22.4R1-EVO evo:23.1R1-EVO junos:21.2R3-S3 junos:22.1R3 junos:22.2R2 junos:22.2R3 junos:22.3R1-S1 junos:22.3R2 junos:22.4R1 junos:23.1R1
1723183	Subscriber sessions will fail to login post GRES and scaled subscriber scenario Product-Group=junos	On MX platforms in a scaled subscriber scenario (8K subscribers) and post GRES (Graceful Routing Engine Switchover), the session database and IP pool database can get out of sync on the backup RE if there is a subscriber churn. After the RE switchover, this condition will lead to the immediate termination of new subscriber sessions if the assigned IP address is still in use by an existing subscriber. *Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:21.4R3-S2-J4 junos:22.1R3-S3 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: MX Platform SW - FRU Management**
1629943	When root login is disabled, FPCs can become unresponsive after upgrade to 21.4 Product-Group=junos	For ACX5448, MX204 and MX2008 "VM Host-based" platforms, starting with Junos 21.4R1 or later, ssh and root login is required for copying line card image (chspmb.elf for MX2008) from Junos VM to Linux host during installation. The ssh and root login are required during installation. Use "deny-password" instead of "deny" as default root-login option under ssh config to allow internal trusted communication. Ref https://kb.juniper.net/TSB18224 *Resolved In:*
PR Number	**Synopsis**	**Category: Enhanced Broadband Edge support for cos**
1713968	Subscribers connectivity is lost due to multiple MIC restart on all Junos MX platforms with MPC5E and BBE configuration Product-Group=junos	On all Junos MX platforms with MPC5E and BBE (Broadband Edge) configuration, subscribers connectivity will be lost due to multiple MIC (Modular Interface Card) restart. *Resolved In:* junos:19.4R3-S12 junos:20.2R3-S8 junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1

		junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: Device Configuration Daemon**
1692404	Incompatible/unsupported configuration is not getting validated correctly during ISSU/normal upgrade causing the traffic loss Product-Group=junos	On all Junos platforms, while performing the Junos upgrade from the release before 20.4 to a higher version having an incorrect configuration may fail. This issue may lead to traffic loss or network outages. *Resolved In:* junos:20.4R3-S7 junos:21.2R3-S5 junos:22.2R3-S1 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.2R1
1714267	The interface speed gets set to a lower speed when the interface is disabled and enabled because renegotiation of the interfaces happens at the previously negotiated speed Product-Group=junos	On Junos platforms with MPC line cards, negotiated interfaces will try to come up with the speed already negotiated instead of using the original interfaces speed even if re-negotiation happens like reinserting cable. *Resolved In:* junos:20.4R3-J12 junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
1726073	PFE table is not updated when new VLANs are added in an EA bundle with MPC10 when ESI is enabled Product-Group=junos	IFF Change message is not propagated to PFE when AE bundle has ESI configuration. *Resolved In:* junos:21.2R2-S1-J3 junos:22.2R3-S1 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: CoS support on DNX**
1704589	Traffic drops seen after making COS configuration change on ACX710 Product-Group=junos	On Junos ACX710 platforms, when CoS (Class-of-Service) scheduler changes are done for buffer usage and when traffic is flowing which involves bursty traffic, traffic drops are seen. *Resolved In:* junos:21.2R3-S6 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: EVPN ELAN/E-TREE**
1689267	FPC crashes and goes into down or unknown state in a scaled EVPN setup Product-Group=junos	On Junos ACX5448 and ACX710 platforms with scaled EVPN (Ethernet Virtual Private Network) setup, a 'restart routing' can trigger the PFE (Packet Forwarding Engine) crash and the FPC (Flexible PIC Concentrator) will get stuck either in down or unknown state resulting in a total traffic impact. *Resolved In:* junos:21.2R3-S6 junos:21.4R3-S3 junos:22.1R3-S2 junos:22.1R3-S4 junos:22.2R3 junos:22.3R3 junos:22.3R3-S1 junos:22.4R2 junos:22.4R3 junos:23.1R1
PR Number	**Synopsis**	**Category: VPWS, L2 CKT, EVPN-VPWS**
1683900	The traffic drop is observed in the l2circuit scenario with control-word configuration Product-Group=junos	On Junos ACX5448/ACX710 platforms in the layer2 circuit (l2circuit) scenario, if the control-word configuration is enabled/disabled, the complete traffic drop is observed for the affected l2circuit.

		Resolved In: junos:21.2R3-S5 junos:21.3R3-S4 junos:21.4R3-S1 junos:22.1R3 junos:22.2R3 junos:22.3R2 junos:22.4R1 junos:23.1R1
1731081	Traffic drops on certain ACX platforms after it is upgraded Product-Group=junos	On Junos ACX5448 and ACX710 platforms, when the router is upgraded with a new image then the RT (Routing-Table) programming fails in the PFE (Packet Forwarding Engine) with VPWS (Virtual Private Wire Service) configuration which causes traffic drop. *Resolved In:* junos:22.1R3-S3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: Layer 3 forwarding, both v4+v6**
1712564	Transit traffic drop is observed for the BGP-LU route prefixes with ECMP forwarding path on Junos ACX5448/ACX710 platforms Product-Group=junos	On Junos ACX5448/ACX710 platforms, if the BGP-LU route prefixes points towards the ECMP forwarding path, the transit traffic drop is observed for the BGP-LU routes, due to the incorrect programming for the routes. *Resolved In:* junos:22.1R3-S2 junos:22.2R3 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.1R2 junos:23.2R1
PR Number	**Synopsis**	**Category: Gnats category for dynamic rendering infrastructure**
1690598	VMX :: Incorrect data encoding format is used for the parameter ISIS extended reachability TLV - max link bandwidth when passed to Influx DB server via GNMI Product-Group=junos	For leaves of data type ieeefloat32, the value will be encoded in bytes while being streamed to collector. The value contained in such leaves may not be completely accurate. *Resolved In:* evo:23.3R1-EVO
PR Number	**Synopsis**	**Category: Interface PRs defect & enhancement requests**
1681114	Unable to configure ae interfaces more than 256 Product-Group=junos	On PTX10003 platform, when configuring ae interfaces, system will not allow to configure ae interface more than 256. It will create issue if user need to configure ae interfaces more than 256. *Resolved In:* evo:21.4R3-EVO evo:22.4R1-EVO junos:21.4R3 junos:22.4R1
PR Number	**Synopsis**	**Category: EVO MACSEC Platform Independent Implementation**
1712554	The MACsec on the channelized IFD impacts the MACsec traffic on other channelized IFL interfaces within the same port and vice versa Product-Group=junos	If both MACsec(media access control security) IFL(interface logical) and MACsec IFD(physical interface device) coexist on the channelized interface, enabling MACsec on the channelized IFD impacts the MACsec traffic on other channelized IFL interfaces within the same port and vice versa. This issue is applicable to MPC10E and MPC11E platforms. *Resolved In:* evo:22.4R2-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:22.1R3-S3 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	**Synopsis**	**Category: EVPN control plane issues**

1732414	EVPN-VXLAN interconnection DCI forwarding problem was observed when one of the AGW IRB interfaces failed in data centers spine Product-Group=junos	On Junos platforms, using the Ethernet Virtual Private Network-Virtual extensible Local Area Network (EVPN-VXLAN) setup with active-active Anycast Gateway (AGW) within two different Data Centers (DCs), using DCI interconnect config with interconnect encapsulation Multiprotocol Label Switching (MPLS). On the spine routers dc1-spine1 and dc2-spine1 the same Integrated routing and bridging (IRB) AGW address is configured. There is one IRB interface per DC, DC1 (spine1 has irb, spine2 doesn't have and same for the DC2). When IRB interface failed in DC1/DC2 spine, the trigger of reprogramming same MAC received from DC2 missed as there is a separate macdb entry with vlan-id and VNI even if both are same Bridge domain (BD). Usually, it is expected to configure IRB on all Gateway (GW) nodes. If the user trying with IRB only on one GW node. *Resolved In:* evo:22.4R3-EVO evo:23.2R1-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:22.1R3-S2-J1 junos:22.3R3 junos:22.4R3 junos:23.2R1 junos:23.3R1

PR Number	**Synopsis**	**Category: EVPN Layer-2 Forwarding**
1694943	JUNOS_REG:QFX10002-60C: While verifying "show mac-vrf routing database instance User_mvs1 extensive" command "mobility-seq-num" is not as expected. Product-Group=junos	Release note needed *Resolved In:*

PR Number	**Synopsis**	**Category: EX4400 platform**
1687848	EX4400 SNMP : FRU removal/insertion trap may not be generated when Fan try or PIC is removed and inserted Product-Group=junos	On EX4400, FRU removal/insertion trap may not be generated when Fan try or PIC is removed and inserted. *Resolved In:* junos:22.1R3-S3 junos:22.2R3 junos:22.2R3-S1 junos:22.3R1-S2 junos:22.3R2 junos:22.3R2-S1 junos:22.4R2 junos:23.1R1
1697678	EX4400: Output of 'show chassis led' does not reflect accurately for port beacon configuration Product-Group=junos	When the beacon LED for a port is configured as OFF, output of 'shot chassis led' incorrectly shows it as GREEN instead of OFF. When the beacon LED for a port is configured as ON, output of 'shot chassis led' incorrectly shows it as GREEN instead of 'GREEN Blinking'. Physical LED behavior reflects correctly as per beacon configuration *Resolved In:*
1709431	MACsec:Traffic loss is seen while testing macsec scale. Product-Group=junos	When high number of MACsec sessions present (more than 200) and traffic is passed over these interface, some of the MACsec session flap and there is traffic drop. *Resolved In:*
1724188	EX4400: Flow control shows as disabled at pfe, even after enabling it Product-Group=junos	Flow control state does not show updated value in pfe cli when flow-control for a port is enabled or disabled. This is a display issue with PFE level flow control status, with no functional impact. Need to hard reboot the device or the dcpfe process restart to show correctly updated value *Resolved In:* junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1

1731345	EX4400: Some log messages may get flooded in heavily loaded system. Product-Group=junos	In rare scenarios in a heavily loaded system when syslog level is set to all, following log messages may get flooded - { ifinfo[72742]: PVIDB: Attribute 'ifinfo.pad_to_minimum_frame_size' not present in Db}. Recommendation is not to set syslog level to all. *Resolved In:* junos:22.2R3-S1 junos:22.3R3 junos:22.4R2-S1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: EX POE**
1716261	EX4100MP (PSE) does not allocate a power value requested in LLDP by the PD Product-Group=junos	EX4100MP may allocate a power 0.1w less than the one PD requested. For example, when PD requests the power 19.4W in LLDP, EX4100 will allocate 19.3W to PD. *Resolved In:* junos:22.2R3-S1 junos:22.3R2-S1 junos:22.3R3 junos:22.4R2-S1 junos:22.4R3 junos:23.1R1-S1 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	**Synopsis**	**Category: Express PFE CoS Features**
1719956	Convergence delay is seen when FPC is offlined under heavy traffic and scaled scenario Product-Group=junos	On Junos PTX3000, PTX5000, PTX10008, and PTX10016 routers, when the Flexible PIC Concentrator (FPC) is offlined with scale configuration and heavy traffic, a delay in convergence (into tens of minutes) is seen on all the live FPCs in the chassis other than the offlined one. This impacts traffic. *Resolved In:* evo:22.1R3-S3-EVO evo:22.3R3-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:18.2X75-D67 junos:20.3X75-D51 junos:21.2R3-S5-J4 junos:21.2R3-S5-J5 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R2-S1 junos:22.3R3 junos:22.4R2 junos:22.4R3 junos:23.1R1-S1 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	**Synopsis**	**Category: Express PFE L2 fwding Features**
1723433	QFX10K not bridging multicast traffic with TTL=1 on same VLAN Product-Group=junos	On Junos QFX10K platforms, when PIM is enabled on the IRB (Integrated Routing and Bridging) interface and multicast traffic with TTL=1 (Time-to-live) needs to be L2 switched in the same BD (Bridge Domain), it gets discarded as TTL was trying to be decremented even for Layer 2 switching. *Resolved In:* junos:22.3R3 junos:22.3R3-S1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: Express pfe Mclag**
1610173	Continuous L3 traffic drop might be observed with MC-LAG configuration on QFX10K platforms Product-Group=junos	On QFX10K platforms with MC-LAG configured, When trying to add or remove the MC-LAG configuration continuous L3 traffic drop might be observed which might not be recovered. *Resolved In:* junos:20.4R3-S1 junos:21.1R2-S2 junos:21.1R3 junos:21.2R1-S2 junos:21.2R2 junos:21.2R2-S1 junos:21.2R3 junos:21.3R1-S1 junos:21.3R2 junos:21.4R1 junos:22.1R1

PR Number	Synopsis	Category: Express PFE MPLS Features
1619052	[Inine-JFLOW] InputIntf is reported incorrectly for mpls-ipv4 & mpls-ipv6 ingress sampling in the case of L3VPN Product-Group=junos	Input Interface reported by sflow/jflow application for mpls-ipv4 & mpls-ipv6 ingress sampling in the case of L3VPN (Label assigned per nexthop or per prefix scenario) is incorrect. It wrongly reports outgoing interface as input interface *Resolved In:* evo:21.1R3-EVO evo:21.2R2-EVO evo:21.2R3-EVO evo:21.3R2-EVO evo:21.4R1-EVO evo:22.1R1-EVO junos:21.1R3 junos:21.2R2 junos:21.2R3 junos:21.3R2 junos:21.4R1 junos:22.1R1

PR Number	Synopsis	Category: FIPS related issues
1623128	The device will be unavailable while performing FIPS 140-2/FIPS 140-3 level 2 internal test on FreeBSD 12 based Junos platforms Product-Group=junos	When Federal Information Processing Standards (FIPS) 140-2/140-3 defines security level 2 is enabled on the FreeBSD 12 based Junos platforms, the series of known answer test (KAT) self-tests will be performed automatically and stuck in kernel_kats test due to unsupported FIPS features, then the device will be unreachable or will be rebooted again and again, there is no impact to the customer since some FIPS 140-2/140-3 level2 features do not apply to FreeBSD 12 officially. *Resolved In:* evo:21.4R2-EVO evo:22.1R1-EVO evo:22.2R1-EVO junos:21.4R2 junos:22.1R1 junos:22.2R1

PR Number	Synopsis	Category: SRX1500 platform software
1729671	When there is a power outage happens after the first upgrade, the reboot device gets stuck at volume booting Product-Group=junos	SRX1500 devices get stuck at volume booting after an upgrade and reboot, followed by a power outage. The device is stuck in this state and continues to boot. *Resolved In:* junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1

PR Number	Synopsis	Category: Express ASIC interface
1712920	When a 4x10GE channelized interface is set to disable from config, the channel 0 also goes down Product-Group=junos	With a software changed introduced via PR1630006, when a 40G Ethernet interface is configure to be channelized interface as 4x10G interface, if an interface is disabled, or detecting an error, the interface channel 0 will also go down. *Resolved In:* junos:21.4R3-S2-J15 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R2 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.1R2 junos:23.2R1

PR Number	Synopsis	Category: GMIC2 platform driver issues
1693211	MACsec on logical interfaces fails after port flap Product-Group=junos	MACsec configured on logical interfaces (IFL) would fail to restore after a flap of the parent physical interface. This will lead to Cyclic Redundancy Check (CRC) errors and failure to pass traffic. *Resolved In:* junos:20.4R3-S6 junos:21.1R3-S5 junos:21.2R3-S4 junos:21.3R3-S3 junos:21.3R3-S5 junos:21.4R3-S3 junos:22.1R3-S1

		junos:22.1R3-S3 junos:22.2R3 junos:22.3R2 junos:22.4R1 junos:22.4R2
PR Number	**Synopsis**	**Category: MX Inline Jflow**
1444849	Sampling applications like port-mirror and inline-jflow are not supported on VPLS tunnel interfaces in ingress direction where ingress packets are sent to the IRB interface for routing. Configuration of sampling application on VPLS tunnel interfaces in such scenario causes packet to drop in ingress direction. Product-Group=junos	Sampling applications like port-mirror and inline-jflow are not supported on VPLS tunnel interfaces in ingress direction where ingress packets are sent to the IRB interface for routing. Configuration of sampling application on VPLS tunnel interfaces in such scenario causes packet to drop in ingress direction. *Resolved In:*
PR Number	**Synopsis**	**Category: ISIS routing protocol**
1699076	The rpd process might crash when SPF is recalculated Product-Group=junos	On all Junos and Junos Evolved platforms, the rpd (Routing Protocol Daemon) process can crash due to periodic SPF (Shortest Path first) recalculation when ISIS (Intermediate System to Intermediate System) connected or direct routes get deleted. *Resolved In:* evo:21.4R3-S4-EVO evo:22.3R3-EVO evo:22.4R1-S2-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:19.2R3-S7 junos:20.4R3-S6-J6 junos:20.4R3-S7 junos:22.3R3 junos:22.4R1-S2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
1725686	Unnecessary SPF calculation is causing high CPU utilization Product-Group=junos	On all Junos and Junos Evolved platforms, very frequent SPF (Shortest Path First) calculation, being caused by leaking multiple prefixes across the IS-IS areas, is causing high CPU utilization. *Resolved In:* evo:21.4R3-S4-EVO evo:22.4R2-S1-EVO evo:23.2R1-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:20.4R3-S7-J2 junos:20.4R3-S8 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: jdhcpd daemon**
1694952	Auto image upgrade is not present when EX-VC is zeroized and VC is formed Product-Group=junos	When an EX series VC (Virtual Chassis) members are zeroized or if it powered on for the first time after halt, "set chassis auto-image-upgrade" configuration is not configured during the process of ZTP (Zero-touch Provisioning) flow and VC formation. Absence of this configuration will not allow user to download configuration and images via ZTP. *Resolved In:*
1722082	DHCP binding is not happening in EVPN VXLAN topology with DHCP stateless relay (forward-only) Product-Group=junos	In EVPN VXLAN topology with DHCP stateless relay (forward-only) configured at layer 3 gateways, Jdhcpd broadcasts snooped unicast offer packets. That leads to the offer getting dropped on its way to the client and then the IP negotiation fails. *Resolved In:* evo:21.2R3-S6-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1

PR Number	Synopsis	Category: JFlow bug tracker for SRX platforms
1716707	J-flow sends wrong IP in sampling records when NAT is configured for traffic along with input sampling Product-Group=junos	When NAT (Network Address Translation) is configured on interfaces along with sampling, the J-flow record will contain NAT'ed IP as opposed to the original IP. *Resolved In:* junos:20.4R3-S7 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: jl2tpd daemon**
1667950	VMcore or RE crash might be triggered due to the memory corruption when the FPC is restarted for LNS subscribers Product-Group=junos	On all MX platforms, when Flexible PIC Concentrators (FPCs) restart for L2TP network server (LNS) subscribers stacked over aggregated service interface (asi) and LNS subscribers belong to more than one routing instance causes the VMcore or Routing Engine (RE) crash and brings down all the traffic. *Resolved In:* junos:19.4R3-S11 junos:20.2R3-S8 junos:20.4R3-S6 junos:21.1R3-S4 junos:21.2R3-S3 junos:21.3R3-S2 junos:21.4R3 junos:22.1R3 junos:22.2R2 junos:22.3R1 junos:22.4R1
PR Number	**Synopsis**	**Category: Adresses ALG issues found in JSF**
1722877	Device crashed while processing H323 traffic in SRX and MX Product-Group=junos	The SRX Device and MX with MS-MPC and MX-SPC3 service cards, crashes due to a timing issue, while processing H323 traffic. *Resolved In:* junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
1728638	SIP ALG not working for SIP traffic with MIME header and traffic is dropped Product-Group=junos	On all MX and SRX platforms, SIP ALG (Session Initiation Protocol Application Layer Gateway) not working as SIP (Session Initiation Protocol) packets with MIME (Multipurpose Internet Mail Extensions) header causes traffic to be dropped. *Resolved In:* junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: High Availability/NSRP/VRRP**
1736498	In SRX MNHA cluster setup the RSI takes long time to generate Product-Group=junos	In SRX MNHA cluster setup the RSI takes long time to generate on the MNHA backup node. The RSI includes the command "show security flow session session-state warm" which will collect all the sessions in warm state on the MNHA backup node - this output can be extensive and RSI is being generated an extended period of time, in known instances this was 1-2 hours. *Resolved In:* junos:22.4R2-S1 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: interfaces and zones for junos js software**

1711729	The 'targeted-broadcast' feature will not work on some SRX platforms. Product-Group=junos	On SRX 1500, SRX4100, SRX4200 and SRX4600 based platforms running Junos, 'targeted-broadcast' feature will not work. As a result, features like wake-on LAN (WOL) which rely on targeted broadcast will be affected. *Resolved In:* junos:20.4R3-S7 junos:21.4R3-S3 junos:22.3R3 junos:22.4R2 junos:23.1R2 junos:23.2R1
PR Number	**Synopsis**	**Category: Firewall Policy**
1724777	The nsd process crash is seen when ISSU is performed on the cluster Product-Group=junos	The nsd (Network Security Daemon) process crash is observed when ISSU (In Service Software Upgrade) is performed on HA (High Availability) clusters using Destination NAT (Network Address Translator). *Resolved In:* junos:22.1R3-S3 junos:22.3R3 junos:22.3R3-S1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
1725567	Traffic impact is observed when the security policy is configured with a huge number of addresses and on addition/deletion of these policies Product-Group=junos	On SRX platforms configured with security policies, having a huge number (approx. 15K) of addresses and performing addition/deletion of such policies in short intervals of time might result in srxpfe process crash and hence, data path traffic gets impacted. *Resolved In:* junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: IPSEC/IKE VPN**
1696102	IPsec VPNs will disconnect after ISSU Product-Group=junos	On SRX platforms except SRX5K, & vSRX2.0/vSRX3.0, traffic will not pass over IPsec (Internet Protocol Security) VPN tunnels after ISSU (In-service software upgrade). *Resolved In:* junos:21.2R3-S5 junos:21.4R3-S3 junos:22.1R3-S2 junos:22.2R3 junos:22.3R3 junos:22.4R2 junos:23.1R2 junos:23.2R1
PR Number	**Synopsis**	**Category: Platform infra to support jvision**
1628807	Interface sensor data may not be decoded on line cards (MPC10E/MPC11/MPC12/LC9600) and Junos Evolved platforms Product-Group=junos	On MX Series routers having line cards (MPC10E/MPC11/MPC12/LC9600) and on Junos Evolved platforms, interface sensor data might not be decoded. *Resolved In:* evo:21.2R3-S1-EVO evo:21.3R3-EVO evo:21.4R3-EVO evo:22.3R1-EVO junos:21.2R3-S1 junos:21.3R2-S2 junos:21.3R3 junos:21.4R2-S1 junos:21.4R3 junos:22.2R3 junos:22.3R1
PR Number	**Synopsis**	**Category: Layer2 forwarding on EX/NTF/PTX/QFX**
1725496	Convert the VNI model in GW from "Global-to-Translated" non-related vlans excluded from trigger having traffic loss Product-Group=junos	Issue: Convert the VNI model in GW from "Global-to-Translated" excluded vlan range from trigger having traffic loss Trigger: Convert the VNI model in GW from "Global-to-Translated" Impact: Experiencing traffic loss in other vlan ranges

		Resolved In:
PR Number	**Synopsis**	**Category: Multiprotocol Label Switching**
1655031	The rpd core is seen due to IGP database and BGP LS database out of sync Product-Group=junos	On all Junos and Junos OS Evolved platforms, rpd core is hit when the events for deleting prefixes, sids, links and nodes come in out of order. This occasionally leads to the IGP database and the BGP LS database being out of sync. *Resolved In:* evo:20.4R3-S5-EVO evo:21.4R3-S2-EVO evo:22.1R3-EVO evo:22.2R2-EVO evo:22.2R3-EVO evo:22.3R2-EVO evo:22.4R1-EVO evo:23.1R1-EVO junos:20.3X75-D36 junos:20.4R3-S5 junos:21.2R3-S3 junos:21.3R3-S4 junos:21.4R3-S1 junos:22.1R3 junos:22.2R2 junos:22.2R3 junos:22.3R2 junos:22.4R1 junos:23.1R1
1698889	The rpd process will crash when rpd is restarted Product-Group=junos	On all Junos and Junos OS Evolved platforms, when MPLS (Multiprotocol Label Switching) statistics is configured without LSP (Label-Switched Path) configuration, the rpd process will crash and impact the routing protocols. This leads to traffic disruption due to the loss of routing information. *Resolved In:* evo:22.3R3-EVO evo:22.4R3-EVO evo:23.1R1-EVO evo:23.1R2-EVO evo:23.2R1-EVO junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R1 junos:23.1R2 junos:23.2R1
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. *Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO junos:22.4R3 junos:23.1R2 junos:23.2R1
1708572	The pseudowire interface is not showing after performing the switchover Product-Group=junos	On all Junos and Junos Evolved platforms, after performing RE(Routing Engine) switchover the pseudowire interface is not showing and traffic will be blackhole. *Resolved In:* evo:23.2R1-EVO junos:23.2R1
PR Number	**Synopsis**	**Category: MX Timing software**
1652275	PTP Playback Engine reset error is reported sporadically with PTP FPGA Firmware version A4 7 Product-Group=junos	PTP Playback Engine reset error is reported sporadically with PTP FPGA Firmware version A4 7 No functionality impact. *Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:20.4R3-S8 junos:21.2R3-S6 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
1664569	Switch Fabric Board information for supporting PTP on MX10k8 with MX10K-LC2101 LC(s)	MX10k8 with MX10K-LC2101 Linecard(s) supports *PTP* only with JNP10008-SF Switch Fabric Board(s), *PTP* currently doesn't work with JNP10008-SF2 Switch Fabric Board(s).

	Product-Group=junos	*Resolved In:* evo:22.2R3-EVO evo:22.3R2-EVO evo:22.4R2-EVO evo:23.1R1-EVO junos:20.4R3-S8 junos:21.2R3-S6 junos:22.2R3 junos:22.3R2 junos:22.4R1 junos:22.4R2 junos:23.1R1
1696957	In the rare scenario, huge PTP Time errors are introduced and propagated to the downstream devices after the chassis reboot Product-Group=junos	On MX240, MX480, MX960, MX2010, and MX2020 platforms, the remote PTP (Precision Time Protocol) clock will recover the PTP clock with Time errors after a chassis reboot on the device running as Boundary Clock. *Resolved In:* evo:22.3R3-EVO evo:22.4R2-EVO evo:23.1R1-EVO evo:23.2R1-EVO junos:20.4R3-S6 junos:21.2R3-S5 junos:21.3R3-S4 junos:21.4R3-S3 junos:22.2R3 junos:22.3R2 junos:22.3R3 junos:22.4R1-S1 junos:22.4R2 junos:23.1R1 junos:23.2R1
1704633	Interface flaps are seen after PTP GM changes to a different slot Product-Group=junos	On MX platforms, when PTP (Precision Time Protocol) is configured, the interfaces will flap after the PTP GM is changed to a different slot. The flaps can last for several seconds. *Resolved In:* evo:23.4R1-EVO junos:20.4R3-S8 junos:21.2R3-S6
PR Number	**Synopsis**	**Category: MX10K platform**
1684728	An interface configured as 1G may flap on a port with the mixed speeds of 1G and 10G after a PIC restart Product-Group=junos	On MX10008, MX10004, and MX10016 platforms with LC2101, when the channelized interfaces of a port are configured with mixed port speeds of 1G and 10G, after a Physical Interface Card (PIC) reboot the 1G channelized interface will keep flapping. Or, it may also remain down. This will impact all the services running through the 1G channelized interface. *Resolved In:* evo:22.1R3-EVO evo:22.2R3-EVO evo:22.3R2-EVO evo:22.4R1-EVO junos:21.4R3-S1 junos:22.1R3 junos:22.2R2 junos:22.2R3 junos:22.3R1 junos:22.3R2 junos:22.4R1
PR Number	**Synopsis**	**Category: Category for tracking Olympus-MX issues**
1671649	Traffic loss may be seen due to SPC3's packets getting stuck Product-Group=junos	On Junos MX960, MX480 and SRX5000 series platforms with SPC3 card, Flowd restart or PIC (Physical Interface Card) going offline/online may cause SPC3's sending of packets to get stuck. *Resolved In:* evo:22.1R3-EVO evo:22.2R3-EVO evo:22.3R2-EVO evo:22.4R1-EVO evo:23.1R1-EVO junos:20.4R3-S5 junos:21.1R3-S4 junos:21.2R3-S3 junos:21.3R3-S3 junos:21.4R3-S1 junos:22.1R2-S1 junos:22.1R3 junos:22.2R1-S2 junos:22.2R2 junos:22.2R3 junos:22.3R1-S1 junos:22.3R2 junos:22.4R1 junos:23.1R1
PR Number	**Synopsis**	**Category: FreeBSD Kernel Infrastructure**
1586481	Software Image Upgrade from versions 21.1 (or earlier) to version 21.2 (or later) requires mandatory knob 'no-validate' Product-Group=junos	While upgrading the image from 21.2T to 21.3DCB, the no-validate knob is mandatory for the upgrade command to proceed. *Resolved In:*
1691036	Enable kvmclock time source with vDSO support	Earlier implementation of kvmclock with vDSO (virtual Dynamic Shared Object) which helps avoid the system call overhead for user space

	Product-Group=junos	applications had problem of time drift, the latest set of changes takes care of initializing the clock after all auxiliary processors are launched so that the clock initialization is accurate. *Resolved In:* junos:23.1R2 junos:23.3R1
PR Number	**Synopsis**	**Category: Kernel MPLS / Tag / P2MP Infrastructure**
1702220	LDP flaps will be observed having LT interface with VLAN and LDP running between the logical-system instance and global instance Product-Group=junos	On Junos platforms, when the LT (Logical Tunnel) interface with VLAN and LDP (Label Distribution Protocol) is configured between the logical-system instance and global instance LDP flaps are observed. *Resolved In:* junos:20.4R3-S6 junos:21.1R3-S5 junos:21.4R3-S3 junos:22.1R3-S1 junos:22.2R3 junos:22.3R2 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.2R1
1723145	Routing Engine initiated PING failed over MPLS interface Product-Group=junos	The RE-generated packets that have MTU size greater than the inet MTU size get dropped when going out on an interface with MPLS chain-composite-next-hop. *Resolved In:* junos:19.4R3-S12 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R1-S1 junos:23.1R1-S2 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	**Synopsis**	**Category: vMX Data Plane Issues**
1669261	vMX crashes due to MBUF leaks Product-Group=junos	vMX platforms (MX150) will crash as a result of the MBUF (Memory Buffer) leak. *Resolved In:* junos:20.3X75-D43 junos:20.3X75-D46 junos:20.4R3-S5 junos:21.4R3 junos:22.1R3 junos:22.3R1 junos:22.3R2 junos:22.3R3 junos:22.4R2 junos:23.1R1
PR Number	**Synopsis**	**Category: Protocol Independant Multicast**
1720708	Slow convergence of PIM joins causes temporary traffic loss with scaled downstream interfaces Product-Group=junos	On all Junos and Junos Evolved platforms with PIM (Protocol Independent Multicast), MVPN (Multicast Virtual Private Network) configured and when the number of downstream interfaces is more than three thousand, slow convergence of PIM joins is seen to take up more of the time and CPU, causing traffic loss for some time. *Resolved In:* evo:21.3R3-S5-EVO evo:22.1R3-S3-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	**Synopsis**	**Category: QFX L2 PFE**
1705853	Tracking PR to add the null check for list_get_head if magic is NULL. Product-Group=junos	On all Junos platforms, as list_get_head function is called in multiple places in pfe we needed previous 3 functions on the stack which had called list_get_head, so we could debug why 'list_get_head list has bad magic' this error has occured.

		Resolved In: junos:20.2R3-S8 junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
1730076	Packets received on a port that is in "LACP Detached" state is getting forwarded Product-Group=junos	On all Junos EX46xx/QFX5k (except QFX5100) platforms, child links that are in LACP (Link Aggregation Control Protocol) detached state are up and accepting incoming traffic, expecting it to drop. *Resolved In:* junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: QFX L3 data-plane/forwarding**
1666260	Traffic loss might be seen when l2circuit configurations are deactivated and activated on QFX5110 Product-Group=junosvae	On QFX5110 platforms with more than one l2circuit configured, deactivating and activating the l2circuit configurations successively might cause traffic drop on one or more l2circuits. *Resolved In:* junos:20.2R3-S8 junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
1690239	MPLS traffic will be dropped due to the wrong programming of the L3VPN ID Product-Group=junos	On certain QFX/PTX platforms, when a new Virtual Routing and Forwarding (VRF) is created or FPC reboot/restart or Router upgrade is performed MultiProtocol label switching (MPLS) traffic will be dropped due to the wrong programming of the L3VPN ID. *Resolved In:* junos:21.4R3-S1 junos:22.1R3 junos:22.2R3 junos:22.2R3-S1 junos:22.3R2 junos:22.4R1 junos:22.4R2 junos:23.1R1 junos:23.1R2
PR Number	**Synopsis**	**Category: QFX EVPN / VxLAN**
1625285	Traffic loss might be observed after configuring VXLAN over IRB interface Product-Group=junos	On QFX5100/QFX5110/QFX5200/QFX5210/EX4300-48MP/EX4600/EX4650-48Y platforms, with IRB interface as underlay for VXLAN, data plane VXLAN traffic loss might be observed. *Resolved In:* junos:21.2R2-S1 junos:21.2R3 junos:21.3R2 junos:21.4R1 junos:21.4R2 junos:22.1R1
PR Number	**Synopsis**	**Category: QFX10008/16 QFX10002 Ultimat/Elit platform related issues -**
1695183	PTX1000 resources exhaustion causing host loopback wedge Product-Group=junos	Junos PTX1000 platforms will experience resource exhaustion 64 days after the reboot. Due to this the device will drop all the control plane traffic resulting in complete service impact. see https://kb.juniper.net/TSB71154 *Resolved In:* junos:21.4R3-S4 junos:22.2R3-S1 junos:22.4R2 junos:23.2R1 junos:23.3R1
PR Number	**Synopsis**	**Category: QFX5100 Platfom related issues. CPLD, FPGA, FRU, Host, RE**
1694522	High memory utilization on switch after the code upgrade to 20.4 or later Product-Group=junos	There is increase in memory footprint across different demons after an image upgrade resulting increase in the system memory. *Resolved In:*

PR Number	Synopsis	Category: QFX5200/5110/5120/5210 Platform optics related issues
1455348	QFX5120 -- SFP-LX10 (740-011614) link stays down when connected to QFX5100 when using auto negotiation Product-Group=junos	QFX5120 does not support Clause37/SGMII auto-negotiation for 1G speed, in case of fiber transceivers. Due to this fact, the remote end should not enable auto-negotiation. In case of copper SFPs, there is external PHY (outside of the switch - within the transceiver itself) which handles auto-negotiation. This is not applicable with fiber transceivers which rely on the PHY within the switch, where there is no support for SGMII auto-negotiation. *Resolved In:*
PR Number	**Synopsis**	**Category: QFX5200/5110/5120/5210 Platfom issues**
1700957	On QFX 5200 post upgrading to 21.4R1-S2.3 User might observe fan alarms. Product-Group=junos	On QFX 5200 post upgrading to 21.4R1-S2.3 User might observe fan alarms. These alarms can be ignored unless there is a real problem. *Resolved In:*
1710205	On EX4650, show chassis hw exten doesn't give fan tray info Product-Group=junos	On EX4650, show chassis hw exten doesn't give fan tray info *Resolved In:*
1710952	No alarm is raised when PSU is inserted with different airflow directions Product-Group=junosvae	On QFX5100/QFX5110/QFX5120/QFX5200 platforms, no alarm would be raised even though inserted PSU module which has a different airflow. *Resolved In:* junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: KRT Queue issues within RPD**
1721032	Local route is not added in the secondary FIB on all Junos SRX platforms and routes will be permanently stuck in KRT queue Product-Group=junos	On all Junos SRX platforms when ST (Secure-Tunnel) interface with P2MP (Point-to-Multipoint) is configured and interface routes are leaked via RIB-group (Routing Information Base), local route of the ST interface will not be leaked into forwarding-table of the secondary-RIB and it will be stuck in the KRT (Kernel Routing Table) queue. *Resolved In:* evo:21.2R3-S6-EVO evo:22.4R2-S1-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:21.2R3-S6 junos:21.3R3-S5 junos:22.4R2-S1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: RPD Next-hop issues including indirect, CNH, and MCNH**
1716436	Traffic loss due to incorrect route resolution and KRT queue getting stuck with 'EINVAL -- Bad parameter in request' error Product-Group=junos	On all Junos and Junos OS Evolved platforms, due to a bug in route resolution over specific types of next hops, the route can resolve over itself and the nexthop chain keeps expanding. Due to this issue, the depth of recursion gets higher than supported and the KRT (Kernel Routing table) queue returns errors for nexthops. As a result, there will be incorrect route resolution, traffic loss and occasionally, the rpd (routing protocol deamon) crashes. The necessary configurations and conditions that will result in this issue are below 1. BGP (Border Gateway Protocol) Prefix-Independent Convergence (PIC) ("protect

		core") is configured and BGP receives same prefix from EBGP and IBGP neighbors 2. BGP LU (Labeled Unicast) with "protection" to create backup path to protect the active and BGP receives same prefix from EBGP and IBGP neighbors 3. Mutually recursive Route resolvability situations like Resolving using Default-route (not having proper resolution config) *Resolved In:* evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: Resource Reservation Protocol**
1681403	In the RSVP-TE scenario, with Entropy label capability is enabled during MBB issues handling Resv Messages Product-Group=junos	On all platforms with entropy-label configured, the issue shows up during Make-Before-Break (MBB) at a transit Juniper node when non-Juniper Egress constructs and sends a Resv message with multiple flow-descriptors (includes descriptors for both old and new instances). Juniper transit device has an issue handling such Resv Messages, the RRO object that is part of the flow-descriptor was getting dropped when the LSP_ATTRIBUTES object was also present within the flow-descriptor. *Resolved In:* evo:21.4R3-S4-EVO evo:22.1R3-EVO evo:22.2R3-EVO evo:22.3R2-EVO evo:22.4R1-EVO evo:23.1R1-EVO junos:20.4R3-S5 junos:21.2R3-S4 junos:21.3R3-S3 junos:22.1R3 junos:22.2R3 junos:22.3R2 junos:22.4R1 junos:23.1R1
1690110	Traffic is not load-balanced when one of the next-hop LSP is down Product-Group=junos	On all Junos and Junos Evolved platforms, in the multi-LSP next-hop load-balance scenario, in case any one of the label-switched path (LSP) is down, the traffic will not be load-balanced to the rest of the LSPs, due to the weight of LSP next hops not being set correctly. *Resolved In:* evo:21.4R3-S4-EVO evo:22.3R3-EVO evo:22.4R2-EVO evo:23.1R1-EVO evo:23.1R2-EVO evo:23.2R1-EVO junos:21.2R3-S5 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.1R2 junos:23.2R1
PR Number	**Synopsis**	**Category: Bug and Review Tracking for Segment routing traffic eng**
1709557	The telemetry sensor will not be created for PCE initiated SRTE Product-Group=junos	On all Junos and Junos Evolved platforms, for PCE(Per-Path Computation Element) Initiated (provisioned) uncolored-SRTE(Segment Routing Traffic Engineering) tunnels, per-source per-segment-list telemetry sensors are not created. *Resolved In:* evo:22.1R3-S2-EVO evo:22.2R3-EVO evo:22.3R3-EVO evo:22.4R2-EVO evo:23.1R1-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:21.3R3-S5 junos:21.4R3-S3 junos:22.1R3-S2 junos:22.2R3 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.1R2 junos:23.2R1
PR Number	**Synopsis**	**Category: SRX branch platforms**
1594014	During reboot, "warning: requires 'idp-sig' license" can be seen on the screen even when the device has valid license Product-Group=junos	If a device is rebooted manually or reboots for any other reason, The following messages can be seen on the boot up screen even when the device has valid license and proper configuration to use the features like IDP/UTM *Resolved In:* evo:21.4R3-S1-EVO evo:22.1R3-EVO evo:22.2R2-EVO

		evo:22.2R3-EVO junos:20.3R3-S6 junos:20.4R3-S6 junos:21.1R3-S4 junos:21.2R3-S4 junos:21.2X32-D10 junos:21.2X32-D20 junos:21.3R3-S3 junos:21.4R3-S1 junos:22.1R2-S2 junos:22.1R3 junos:22.2R2 junos:22.2R3 junos:22.3R1-S1 junos:22.3R2 junos:22.4R1 junos:23.1R1
1715247	Interface speed stays 100Mbps when removing speed and duplex command separately Product-Group=junos	On SRX platforms, Interface speed stays 100Mbps when removing speed and duplex command separately *Resolved In:* junos:20.4R3-S8 junos:21.3R3-S5
PR Number	**Synopsis**	**Category: MPC7/8/9 Interface Issues**
1682962	Auto-negotiation is not getting reflected on the MPC7E-10GE line card Product-Group=junos	On all MX platforms with MPC7E-10GE line card, auto-negotiation will not be set properly when changing the port speed from 10GE to 1G on a port with auto-negotiation configured. The port remains down until the commit is done separately for changing the port speed. *Resolved In:* evo:22.3R2-EVO evo:22.4R2-EVO evo:23.1R1-EVO junos:20.4R3-S6 junos:21.1R3-S4 junos:21.2R3-S3-J7 junos:21.2R3-S4 junos:21.3R3-S3 junos:21.4R3-S2 junos:22.1R3 junos:22.3R2 junos:22.4R2 junos:23.1R1 junos:23.2R1
PR Number	**Synopsis**	**Category: SRX-1RU platfom datapath SW defects**
1620773	SRX4600 - Packet drop or srxpfe coredump might be observed Product-Group=junosvae	Packet drop or srxpfe coredump might be observed on SRX 4600 during periods of high traffic *Resolved In:* junos:22.1R3-S3 junos:22.2R3 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.1R1-S1 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: SRX-1RU platfom related protocol, QoS, filtering features et**
1729284	L2 channel error counter increases when unknown family packets received by interfaces Product-Group=junos	On SRX4600 and SRX5K platforms, the L2 channel error counter will increase when some unknown family packets received by interfaces. *Resolved In:* junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: ZT/YT pfe qos software issues**
1729747	Egress CoS rewrites won't work and that may lead to QoS specific issues downstream Product-Group=junos	On Junos platforms, when the Preserve Next Hop routing knob is enabled, MPLS (Multiprotocol Label Switching) EXP rewrites on the transit router do not work. CoS (Class of Service) behaviour seen for the packets downstream of this node may not be on expected lines . There could be drops where it is not expected. *Resolved In:* junos:21.2R3-S6 junos:21.4R3-S2-J6 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3
PR Number	**Synopsis**	**Category: ZT/YT pfe firewall software**
1726733	Traffic drops with percent policer attached	On Junos EX92xx, MX304 and MX series platforms with MPC10, MPC11

	using list Product-Group=junos	and LC9600, traffic drop will happen with the attachment of family filter configured with percent policer (bandwidth-percent) via input-list/output-list. *Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:21.2R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	**Synopsis**	**Category: Trio LU, IX, QX, MQ chip drivers, ucode & related SW**
1648473	The FPC crash might be observed during ISSU Product-Group=junos	On all Junos platforms with scaled environment equipped with specific line cards like MPC7E/MPC8E/MPC9E etc., when there are memory errors, the FPC crash might be observed. This happens during ISSU (In-service software upgrade). *Resolved In:* evo:21.3R3-EVO evo:21.4R2-EVO evo:22.1R2-EVO evo:22.2R1-EVO junos:20.2R3-S5 junos:20.4R3-S5 junos:21.1R3-S5 junos:21.2R3 junos:21.3R2-S1 junos:21.3R3 junos:21.4R2 junos:22.1R1 junos:22.1R2 junos:22.2R1
PR Number	**Synopsis**	**Category: Trio pfe qos software**
1732690	Heap memory leak on MPCs used for subscriber termination. Product-Group=junos	Heap memory leak on access MPCs used for subscriber termination may be observed in a subscriber-management environment. *Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: Trio pfe bridging, learning, stp, oam, irb software**
1720772	VLAN rewrite will not work for traffic egressing on IRB over L2 AE IFL Product-Group=junos	On Junos MX and EX92XX with specific line cards, VLAN rewrites will not happen for traffic egressing from IRB(Integrated Routing and Bridging) interface over an L2 AE (Aggregated Ethernet) IFL (Interface Logical), if the L2 AE IFL is configured to perform VLAN rewrites on the frames. This happens when the IRB is configured as a routing-interface on EVPN (Ethernet Virtual Private LAN) or VXLAN (Virtual Extensible LAN) routing instances and the traffic has to egress on IRB over an L2 AE IFL. As a result, the frames are forwarded with incorrect VLAN tag information. *Resolved In:* evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:21.2R3-S6 junos:22.2R3-J4 junos:22.2R3-S1 junos:23.1R2 junos:23.2R1 junos:23.3R1
1724925	Traffic loss observed for packets over IRB over LT Product-Group=junos	On all Junos MX with MPC1-9 and EX9K platforms, traffic loss will be seen when a L3 domain (either a VRF or default routing-instance) with an underlying IRB (Integrated Routing and Bridging) interface is stitched to another L2 domain (VPLS domain/ L2circuit/ bridge domain) with a LT (Logical Tunnel) interface acting in the access mode. *Resolved In:* evo:23.3R1-EVO junos:23.3R1
1727049	Multiple CFM sessions are down when vlan rewrite feature is configured on AE interfaces	On MX platforms, in Aggregate Ethernet (AE) interfaces having the member links in MPC1 to MPC9 line cards with Circuit Cross-Connect (CCC) when Maintenance Association End Point(MEP) is configured a

	Product-Group=junos	new Virtual Local Area Network (VLAN) rewrite feature has been added before punting the Cross-connect Continuity Check Message (CCM) packets. This feature is derived from the AE member interfaces where the Packet Forwarding Engine (PFE) instance of the member is wrongly updated causing the Connectivity Fault Management (CFM) sessions down. *Resolved In:* evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
1731564	VPLS traffic gets blackholed by qualified-bum-pruning mode Product-Group=junos	On all MX and EX9K platforms, qualified-bum-pruning-mode completely blackholes VPLS (Virtual Private LAN Service) traffic with network-services configured in enhanced-ip mode. *Resolved In:* evo:23.3R1-EVO evo:23.4R1-EVO junos:20.4R3-S7-J1 junos:20.4R3-S8 junos:23.3R1
PR Number	**Synopsis**	**Category: Trio pfe multicast software**
1686068	Disabling PFE triggers the memory leak which may cause FPC to crash Product-Group=junos	On Junos MX platforms with specific line cards, when PFE (Packet Forwarding Engine) is disabled, scenarios like multicast receiver join/leave that result in allocation and de-allocation of memory on disabled PFE can cause a memory leak. This is because memory is allocated on the disabled PFE, but not freed. *Resolved In:* evo:22.4R3-EVO evo:23.2R1-EVO junos:21.2R3-S5 junos:22.4R3 junos:23.2R1
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. *Resolved In:* junos:19.1R3-S10 junos:19.2R3-S7 junos:19.3R3-S8 junos:19.4R3-S12 junos:20.2R3-S8 junos:20.3X75-D43 junos:20.4R3-S8 junos:22.2R3-S1
PR Number	**Synopsis**	**Category: UI Infrastructure - mgd, DAX API, DDL/ODL**
1708321	MX960 :: CST:RE goes to amnesiac state, when rebooting the DUT -mgd: error: translation script failure Product-Group=junos	When a toggle attribute with variable is committed under dynamic-profiles hierarchy, upon reboot system will go to amnesiac mode *Resolved In:* evo:21.4R3-S3-EVO evo:22.2R2-J4-EVO evo:22.2R2-J6-EVO evo:22.2R2-S2-J1-EVO evo:22.2R2-S2-J2-EVO evo:22.2R3-EVO evo:22.3R2-EVO evo:22.3R3-EVO evo:22.4R1-S2-EVO evo:22.4R2-EVO evo:23.1R1-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:20.4R3-S7 junos:21.4R3-S3 junos:22.1R3-S2 junos:22.2R2-S2 junos:22.2R3 junos:22.3R2 junos:22.3R3 junos:22.4R1-S2 junos:22.4R2 junos:23.1R1 junos:23.1R2 junos:23.2R1
PR Number	**Synopsis**	**Category: PTX/QFX100002/8/16 interface software**

1712007	The interface does not come up or keeps flapping Product-Group=junos	On Junos PTX10008/PTX100016 devices with LC1101/LC1102 line cards, any event that causes an interface state change can lead to interface flapping or the interface may not come back at all. This leads to traffic impact on that interface. *Resolved In:* junos:20.4R3-S4-J14 junos:20.4R3-S6-J4 junos:20.4R3-S7 junos:21.1R3-S5 junos:21.2R3-S5 junos:21.3R3-S4 junos:21.4R3-S3 junos:22.1R3-S2 junos:22.2R3 junos:22.3R3 junos:23.1R1 junos:23.1R2 junos:23.2R1
PR Number	**Synopsis**	**Category: VMHOST platforms software**
1726775	Upgrading the i40e NVM Firmware on Routing Engines with VM Host Support Product-Group=junosvae	Steps for Upgrading the i40e NVM Firmware on Routing Engines with VM Host Support is described in https://www.juniper.net/documentation/us/en/software/junos/junos-install-upgrade/topics/task/vmhost-nvm-upgrade.html i40e NVM version 6.01 is the prerequisite to install a LTS19 based image, else image installation will fail. This prerequisite is not needed now. *Resolved In:* junos:21.4R3-S4 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R2-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: Virtual Private LAN Services**
1729052	The rpd process crash will be observed during VPLS to EVPN migration Product-Group=junos	On all Junos platforms during VPLS (Virtual Private LAN Service) to EVPN (Ethernet Virtual Private Network) migration, when the EVPN and VPLS are configured under the same routing instance and "instance-type evpn" is enabled, then upon deactivate/delete "protocols vpls" and changing the IFL configuration associated with VPLS will lead to rpd process crash. *Resolved In:* evo:22.1R3-S3-EVO evo:22.3R3-EVO evo:22.4R2-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.2R2-EVO evo:23.3R1-EVO junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: Xellent Platform issues**
1709817	Ports with QSA adapter are down Product-Group=junos	On Junos PTX1000 and PTX10002-60C/QFX10002-60C platforms, ports which use the QSA (QSFP-to-SFP Adapter) may not come up when running software version containing the fix for PR 1620527. *Resolved In:* junos:20.4R3-S7 junos:21.1R3-S5 junos:21.2R3-S5 junos:21.3R3-S4 junos:21.4R3-S3 junos:22.1R3-S2 junos:22.2R3 junos:22.3R3 junos:22.4R2 junos:23.1R1 junos:23.1R2 junos:23.2R1
PR Number	**Synopsis**	**Category: usf url filtering related issue**
1737670	URL-Filtering few HTTP sites are getting bypassed and redirect is not happening Product-Group=junos	On Junos MX series platforms with service card (SPC3, MS-MPC and MS-MIC), when the contents in the url-filter-database file are in upper case, the URL (Uniform Resource Locator) filtering fails to filter those HTTP (Hypertext Transfer Protocol) URIs (Uniform Resource Identifier)

		which are meant to be redirected. *Resolved In:* junos:21.2R3-S6 junos:21.3R3-S5 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
PR Number	**Synopsis**	**Category: usf nat related issues**
1612555	The B4 client traffic will be dropped on MX-SPC3 based AFTR in DS-Lite with EIM activated CGNAT scenario Product-Group=junos	In MX-SPC3 with Dual-Stack Lite (DS-Lite) scenario, the IPv4 client will use Basic Bridging BroadBand (B4) to pass through IPv4-over-IPv6 tunnels to cross an IPv6 access network to reach a Carrier-grade NAT (CGNAT) network behind the Address Family Transition Router (AFTR). In case of the Endpoint independent mapping (EIM) is activated for CGNAT, the DS-Lite encapsulated IPIP packets might not be identified by EIM for some reason, and the NAT rule might not be found properly by MX-SPC3 of AFTR for the mapping traffic. After that, the DS-Lite tunnels/NAT sessions between the B4 and AFTR might not be established successfully since the DS-Lite/NAT packets might be dropped on AFTR, the IP flow from the B4 client will be impacted. *Resolved In:* junos:20.2R3-S3 junos:20.4R3-S1 junos:21.1R2-S1 junos:21.1R3 junos:21.2R2 junos:21.2R3 junos:21.3R2 junos:21.4R1 junos:22.1R1
1729801	Traffic drops are observed on MX Platform configured with PCP mapping along with NAT Product-Group=junos	On all MX platforms with SPC3 cards and PCP (Port Control Protocol) with NAT (Network Address Translation) configured, the PCP client should renew the mapping before its expiry time to keep the PCP mapping always active. The sessions are not refreshed with the received PCP mapping refresh. The issue is seen if the traffic from outside the network (public network) toward B4 (softwire initiator) was suspended for sometime. When traffic started again toward B4 from outside the network, it will be dropped and service will be impacted. *Resolved In:* junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1