

22.3R3-S1: Software Release Notification for JUNOS Software Version 22.3R3-S1

Alert Description

Junos Software Service Release version 22.3R3-S1 is now available for download from the Junos software download site

Download Junos Software Service Release:

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

Solution

Junos Software service Release version 22.3R3-S1 is now available.

22.3R3-S1 - List of Fixed issues

PR Number	Synopsis	Category: EX4300 Layer 2 implementation
1739730	In EVPN-VXLAN scenario DHCP does not work for clients connected on the dot1x port Product-Group=junos	On EX4300-48MP, in case of dot1x EVPN-VXLAN dynamic VLAN due to a HW setting which is used to assign VLAN to the authenticated dynamic VLAN, causes the DHCP offer to get tagged.
PR Number	Synopsis	Category: EX4300 Platform implementation
1711695	The interface remains up and LED is still green when the cable is removed Product-Group=junosvae	On EX4300-48MP platform, when the cable is disconnected, the interface stays active, and the LED continues to display a green light.
PR Number	Synopsis	Category: EX2300/3400 platform
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.
1737524	VC on EX3400 platforms will not form with 40GBASE-BXSR optics Product-Group=junos	On Junos EX3400 platforms, the Virtual Chassis will not form if 40GBASE-BXSR optics are used on VCPs (Virtual Chassis ports).
PR	Synopsis	Category: SRX DNS DGA and tunneling related

Number		
1732028	The DNS cache gets wiped out due to the flowd crash on all SRX platforms after the upgrade Product-Group=junos	The flowd crashes after upgrading all SRX platforms to 21.2R3 and later releases when DNSF plugin (Secintel/ATP Cloud) is running along with Security-Metadata-Streaming DNS policy configuration. It causes the DNS (Domain Name System) cache to get wiped out.
PR Number	Synopsis	Category: JUNOS kernel/ukernel changes for ACX
1735843	Crash on all Junos VMhost platforms due to deadlock panic Product-Group=junosvae	On all Junos VMhost based platforms, due to heavy disk input/output (I/O) operations, a crash was observed.
PR Number	Synopsis	Category: ACX MPLS
1720827	The Forwarding Engine Board (FEB 0) crashes and impacts traffic when the L2circuit IGP primary path port is down Product-Group=junos	On Junos ACX1000, ACX1100, ACX2000, ACX2100, ACX2200, and ACX4000 platforms, the Forwarding Engine Board (FEB 0) will crash when the L2circuit Interior Gateway Protocol (IGP) primary path port on the local device is down. Sub-minute traffic loss is seen when FEB 0 crashes. This issue is seen only when 'hot-standby' mode is in place for L2circuit and not seen with just 'standby' mode.
PR Number	Synopsis	Category: Application Quality of Experience
1743107	flowd process crash observed in Junos branch SRX platforms Product-Group=junos	This issue is observed on Junos SRX platforms supporting SD-WAN (Software-defined Wide Area Network) like SRX300, SRX320, SRX340, SRX345, SRX380, SRX550, SRX1500, SRX4100, SRX4200, SRX4600, SRX5600, SRX5800, cSRX and vSRX in AppQoE (Application Quality of Experience) scenario where the passive probe session of SD-WAN is not closed gracefully. This results in flowd crash and impacts user traffic.
PR Number	Synopsis	Category: MX Layer 2 Forwarding Module
1743032	FPC cards restart unexpectedly Product-Group=junos	On Junos based MX platforms with MPC7E, FPC(Flexible PIC Concentrator) crashes and core would be observed causing traffic loss. This is a rare issue.
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.
PR Number	Synopsis	Category: dynamic vlan creation and associated processing
1743903	If more than 32 vlan ranges are	On all Junos platforms that support subscriber services, when more

configured under the dynamic-profile then login issue and traffic impact can be seen with subscribers of random VLANs
Product-Group=junos

than 32 VLAN ranges are configured, random VLAN (Virtual Local Area Network) traffic is impacted and subscribers are unable to login.

PR Number	Synopsis	Category: BBE network stack related issues
1729913	DHCP subscribers are stuck in DHCP-Renew state when 'overrides always-write-giaddr' is enabled Product-Group=junos	On all Junos platforms supporting DHCP (Dynamic Host Configuration Protocol), when 'overrides always-write-giaddr' option is enabled on the DHCP relay, checksum is not computed properly causing the DHCP renew to fail and subscribers getting stuck in 'Requesting' state.
PR Number	Synopsis	Category: Border Gateway Protocol
1696870	BGP scheduler slips during sub-optimal prefix-walk while deleting selected prefixes from a large set. Product-Group=junos	On all Junos and Junos Evolved platforms, you might see the BGP scheduler slip while deleting a large set of prefixes.
1709837	Junos OS and Junos OS Evolved: A crafted BGP UPDATE message allows a remote attacker to de-peer (reset) BGP sessions (CVE-2023-4481) 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 refer to https://supportportal.juniper.net/JSA72510 for more information.
1738074	BFD session for BGP remains down in a specific scenario Product-Group=junos	On all Junos and Junos Evolved platforms supporting BFD (Bi-directional Forwarding and Detection) for BGP (Border Gateway Protocol) multi-hop BFD sessions can remain in a down state. This issue is seen when the multi-hop BFD session endpoints are in the same subnet but the interface addresses on which the BFD is configured are not directly connected.
1739335	The rpd process crash will be observed when the prefix-limit exceeds on the backup RE Product-Group=junos	On all Junos and Junos OS Evolved platforms configured with BGP (Border Gateway Protocol), NSR (Nonstop Active Routing), and prefix-limit with idle-timeout, when the prefix-limit exceeds on the backup RE (Routing Engine) and switchover is performed the rpd process crash will be observed on the new backup RE.
1739919	Junos OS and Junos OS Evolved: A BGP session will flap upon receipt of a specific, optional transitive attribute (CVE-2023-0026) 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 refer to https://supportportal.juniper.net/JSA71542 for more details.
1742222	Partial application of BGP import policy with BMP configuration and after back-to-back commits changes BGP import policy Product-Group=junos	When BMP is configured and sessions are established, if a back-to-back commit is made that alters a BGP peers import policy, then the import evaluation job is not re-run after the 2nd commit. This can lead to partial application of the desired policy, resulting in missing values that need to take effect with second policy (eg: missing communities).
1742416	RPD scheduler slip is observed when	On all Junos and Junos Evolved platforms, high CPU (RPD scheduler

	the BGP session flaps and subsequent configuration changes for the same peer Product-Group=junos	slips) leads to session timeouts/flaps for other protocols running in the system.
1745073	CPU in rpd spikes and scheduler slips will be observed when the duplicate community is added Product-Group=junos	On all Junos and Junos Evolved platforms, when Border Gateway Protocol (BGP) is configured with the existing community member added via another community that is called in import policy and the intermediate router does not support large/extended communities based on scale (route). Due to this, the rpd Central Processing Unit (CPU) stays high and protocols level choking will be seen in adjacent nodes. Scheduler slips are also observed due to the same.
PR Number	Synopsis	Category: BBE Remote Access Server
1729035	Potential memory leak in authd process Product-Group=junos	If RADIUS is enabled for subscriber authentication or accounting, the authd process may occasionally leak memory when running at a high scale.
PR Number	Synopsis	Category: Captive Portal
1736937	Junos OS: EX Series: A PHP vulnerability in J-Web allows an unauthenticated attacker to control important environment variables (CVE-2023-36844) Product-Group=junos	A PHP External Variable Modification vulnerability in J-Web of Juniper Networks Junos OS on EX Series allows an unauthenticated, network-based attacker to control certain, important environments variables. Utilizing a crafted request an attacker is able to modify certain PHP environments variables leading to partial loss of integrity, which may allow chaining to other vulnerabilities. For more information see https://kb.juniper.net/JSA72300
PR Number	Synopsis	Category: CFM
1682939	Maintenance-domain (MD) and Maintenance-association (MA) configuration display changed to ordered-by-system type Product-Group=junos	With this the maintenance-domain (MD) configuration and maintenance-association (MA configuration) under the connectivity-fault-management stanza will be ordered by the system and not as per the configuration order.
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: QFX Access Control related

1741867	DOT1XD_USR_ATHNTICTD_GST_VLAN is not triggered Product-Group=junos	On all Junos and Junos Evolved platforms (dot1x supported), there will not be any syslog messages when clients move to Guest VLAN authentication incase single-secure & multiple supplicant mode.
PR Number	Synopsis	Category: Platform PR for 1G/10G LC
1739595	The FPC will core and crash in a race condition Product-Group=junos	On all Junos and Junos Evolved platforms, in a rare scenario, the FPC will go down due to core.
PR Number	Synopsis	Category: PMB (AMD) PR for 1G/10G LC
1722823	The FPC crash is observed on Junos MX10008 platform when connected to non-Juniper SFP Product-Group=junos	On Junos MX10008 platform, the FPC (Flexible PIC Concentrator) crash will be observed when connected to non-Juniper SFP (Small Form-factor Pluggable) and it will lead to traffic loss.
PR Number	Synopsis	Category: Device Configuration Daemon
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.
1731190	The lt/vt/ut interfaces may not recover from the disable-pfe (admin down) state if the GRES switchover is done before restarting FPC Product-Group=junos	On all Junos Platforms when a PFE (Packet Forwarding Engine) gets disabled to a CM (Chassis Manager) error disable-pfe action or any other reason and a GRES (Graceful Routing Engine Switchover) happens, the lt/vt/ut (Logical Tunnel/Virtual Tunnel/Uplink Tunnel) interfaces will not recover after the FPC (Flexible PIC Concentrator) restart even though the error condition is recovered resulting in traffic loss.
PR Number	Synopsis	Category: ACX platform interface issues
1747140	QSFP interfaces show additional flap during PFE bringup Product-Group=junos	On Junos ACX5448 platform, the QSFP (Quad Small Form-factor Pluggable) interfaces can possibly see a momentary flap during device or pfe bring up.
PR Number	Synopsis	Category: VPWS, L2 CKT, EVPN-VPWS
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.

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: EVO L2 Control Plane PRs
1705712	Traffic loss would be seen as prefix gets stuck in Hold state Product-Group=junos	On Junos OS Evolved platforms with EVPN-VXLAN (Ethernet VPN Virtual Extensible LANs) feature, traffic loss would be observed as host prefix gets stuck in Hold state due to any network event which causes the route to delete and add in a quick succession.
1740561	Traffic loss is seen due to anomalies after the recreation of IFLs Product-Group=junos	On all Junos Evolved Platforms, in the EVPN-VXLAN DCI (Data center Interconnect) scenario, traffic loss is seen due to anomalies when any catastrophic interface change is done which results in the IFL (logical interface) deletion and recreation by the system.
PR Number	Synopsis	Category: Configd, ffp issues
1743038	Commit confirm and commit race condition crashes the firewall functionality Product-Group=junos	On dual-RE (Routing Engine) Junos Evolved platforms, when the commit is executed during the commit confirm timeout window, it causes the firewall to stop working.
PR Number	Synopsis	Category: EVPN control plane issues
1746787	The user will be unable to configure the interface having stacked outer VLAN and a list of inner VLANs Product-Group=junos	On Junos and Junos OS Evolved platforms, the configuration of stacked VLAN on an interface will not allow the user to configure the interface having stacked outer VLAN and a list of inner VLANs. A certain bridge interface configuration will not pass the commit check with JUNOS releases and throw an error message like "EVPN: Interface xe-0/1/0.0 must be added in a bridge-domain/vlan".
PR Number	Synopsis	Category: EX4100 PFE
1699216	Traffic impact is observed when OSPF adjacency gets stuck in exstart or exchange state Product-Group=junos	On Junos EX4100 platform the OSPF (Open Shortest Path First) adjacency establishment will take longer time with more than 90 VRRPv6 (Virtual Router Redundancy Protocol for IPv6) sessions causing traffic disruption.
1728538	EAP dot1x authentication stuck in connecting state Product-Group=junos	EAP (Extensible Authentication Protocol) 802.1x authentication failure is observed on Junos QFX5K and EX4100/EX4300/EX4400 platforms in EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) environment. Authentication gets stuck in the "Connecting" state.

1752756	EX4100 : L2ALD_IFBD_COUNT_EXCEED is not generated when exceeded max number of vmember Product-Group=junos	On EX4100, there is no log L2ALD_IFBD_COUNT_EXCEED even though exceeded max number of vmember.
PR Number	Synopsis	Category: EX4400 PFE software
1716902	IGMP/MLD queries may get dropped if received on a port on the backup VC member when IGMP/MLD snooping is enabled Product-Group=junos	On Junos QFX and EX in the VC (Virtual Chassis) scenario, when the 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 port on the backup 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.
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.
1733365	Error logs are seen with a non-vxlan dot1x enabled port Product-Group=junos	In a heavily loaded system in a specific scenario (Dot1x in multiple supplicant mode & dynamic vlan from radius server & non vxlan access port) following log message may be captured in the syslog - {brcm_as_dot1x_vxlan_set_mac_learning_mode:1168 dot1x bd_get failed for bd index 0}. This log is not impacting any functionality.
1736790	EX4400 shaping rate not working as expected Product-Group=junos	On EX platforms shaping rate on 100gig link over 70g not working as expected.
1738384	The 'input-vlan-map push' operation will not work on double-tagged frames Product-Group=junos	On EX4400 platforms, when 'input-vlan-map push' is configured to push an outer VLAN (Virtual Local Area Network) tag on to a double-tagged frame, the egressing frame will be tagged incorrectly. Instead of a push operation, the outer VLAN tag of the ingressing double-tagged frame will be swapped and sent out. This results in unexpected behaviour or traffic loss as the Ethernet frames will not have the expected VLAN tag information.
1747095	LLDP will not work on HGoE VC mode with 40G VCP connections Product-Group=junos	On EX4400/QFX5120 platforms, having High Gigabit over Ethernet (HGoE) Virtual Chassis (VC) mode in the master, when VC members are connected by 40G links, Link Layer Discovery Protocol (LLDP) Bridge Protocol Data Unit (BPDU) from VC master destined to the remote VC members (more than one-hop away) are dropped at VCP interface due to Virtual LANs (VLANs) membership check.
1747878	Packet drop will be observed due to ARP resolution failure in EVPN-VXLAN scenario Product-Group=junos	On Junos Evolved ACX/SRX/QFX/EX (BROADCOM based) platforms, ARP (Address Resolution Protocol) resolution is unsuccessful and packet drop will be seen, when interface mode - access is configured in EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) ERB (Edge Routed Bridging) scenario.

1749312	Connectivity fails intermittently on 802.1x enabled ports Product-Group=junos	On EX4100 and EX4400 platforms performing as Virtual Chassis, host authentication will get stuck in connecting state if 802.1x dynamic VLAN single supplicant mode is enabled on access switch port and complete traffic towards that port will be dropped.
1757431	Whenever IGMP leave request is initiated by receiver unicast traffic to the host IP on the switch port is non-responsive Product-Group=junos	IGMP leave packets would be sent back to the source interface, when IGMP snooping is present, and there is an mrouter interface present in a non master VC member.
PR Number	Synopsis	Category: EX4400 platform
1700309	EX4400: pps counter does not show correct values for jubmo frames Product-Group=junosvae	When packets of size bigger than 1518 Bytes are received/transmitted, pps counter value does not show correct value.
1709483	On EX4400, "show chassis environment power-supply-unit" displays only master member's details. Product-Group=junos	On EX4400, "show chassis environment power-supply-unit" displays only master member's details.
1720074	Port will be down when "no-auto-negotiation" is configured on EX4400-48F platform Product-Group=junos	On EX4400-48F platform with Small Form Factor Pluggable 100Base-FX Fast Ethernet Optics, when "no-auto-negotiation" is configured on the interface this results in the interface not coming back online even after deleting "no-auto-negotiation" in interface.
1725683	EX4400: After BIOS upgrade device mode gets changed from HGoE to HiGig mode Product-Group=junos	After BIOS upgrade of EX4400-VC, device mode will be changed to HiGig mode if they are operating in HGoE mode earlier.
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.
1734435	Error handling for SMBus access routines Product-Group=junos	On Junos Platforms, there may be functionality such as: PoE configuration not working, BFD flap, delayed or no response from sensors, Optics etc, but the device would be responsive.
1740579	On EX4400-48F, After phc commit in VC, default storm control config has extra xe port config for 0-11 ports and extra ge port config for 37-48 ports. This has no functionality impact Product-Group=junos	On EX4400-48F, After phc commit in VC, default storm control config has extra xe port config for 0-11 ports and extra ge port config for 37-48 ports. This has no functionality impact
1753576	Runt frames generate excessive traffic statistics on EX4100/EX4400	On EX4100/EX4400 platforms with Multi-rate gigabit ethernet (MGE) ports , incorrect register is read for the runt counter and the

	platforms Product-Group=junos	calculation logic generates a big value. As these bytes are part of input octets, it displays incorrect value.
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.
1743547	EX Series: Removal of notice about the availability of new POE firmware and the prompt to upgrade the same Product-Group=junos	When there is newer POE firmware version available in the Junos Software, "show poe controller" command output displays the availability details to upgrade
1744343	Enhancement of PoE Controller Firmware upgrade procedure Product-Group=junos	PoE firmware upgrade gets stuck in an incompatible controller scenario leading to POE not working.
1745088	Enhancement of PoE controller firmware files into Junos Software Product-Group=junos	Junos Software version package does not have sufficient PoE firmware files, leading to incompatible firmware version upgrade
PR Number	Synopsis	Category: Express PFE CoS Features
1738981	DSCP classifier is not created on IP interfaces Product-Group=junos	On Junos QFX10k platforms, on configuring diffServ code point (DSCP) classifier and when inet or inet6 is configured with custom dot1p on interface, default dscp classifiers are not getting removed properly.
PR Number	Synopsis	Category: Express PFE L2 fwding Features
1746435	QFX10002-60c port et-0/0/30 part of a lag is dropping peer ARP reply after configuring a GRE tunnel Product-Group=junos	GRE IFL configuration was changing the physical port's igport attributes in IGP.
1748500	Traffic drop will be observed when Label MPLS traffic egressing out on the IRB interface as IPV4 Product-Group=junos	On QFX10K platforms, Label MPLS (Multiprotocol Label Switching) (labeled-unicast) traffic egressing out on IRB (Integrated routing and bridging) interface as IPV4 traffic can get dropped.
PR Number	Synopsis	Category: SRX4100/SRX4200 platform software
1739559	SRX4100/4200 accepts the datapath-debug configuration although it does not support it Product-Group=junos	It is possible to set and commit the datapath-debug configuration on platforms SRX4100/SRX4200 although datapath debugging is not supported on those platforms. because of this unsupported configuration being accepted the RE (Routing Engine) load can go high and cause traffic outage. The workaround is to remove the datapath-

debug configuration and perform a commit.

PR Number	Synopsis	Category: Signature Database
1741887	Multiple network issues are seen after the upgrade with lower IDP packet-log total-memory percentage Product-Group=junos	On Junos SRX platforms, before the upgrade, if the IDP 'packet-log total-memory percentage/packet-log max-sessions' is configured lower than the default value of 10% then while upgrading, the boot time commit will fail and the device will go to an amnesiac state causing multiple issues.
PR Number	Synopsis	Category: Integrated Routing & Bridging (IRB) module
1629345	Inter vlan ipv6 traffic loss for some hosts after configuration remove and restore. Product-Group=junos	For a topology with VSTP and VRRP configured and IPV6 traffic, if VSTP bridge priority is changed a couple of times (to trigger toggling of root bridge), it is possible that V6 traffic drop is seen on some of the streams.
PR Number	Synopsis	Category: ISIS routing protocol
1746349	Traffic loss observed in SR-LDP stitch scenario when ECMP is enabled on PTX platforms Product-Group=junos	On PTX platforms, ISIS SR-LDP stitching using mapping server could result in traffic drops on some legs of an ECMP if there are more than 8 ECMP paths and not all paths are via the same neighbor node.
PR Number	Synopsis	Category: jdhcpd daemon
1694952	Auto-image-upgrade knob is not present when EX-VC is zeroized and VC is formed Product-Group=junos	When EX series VC (Virtual Chassis) members are zeroized or if it is 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.
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.
1731784	Dhcp security bindings may not happen when DHCP security is enabled on multiple vlans along with dhcp stateless relay Product-Group=junos	When DHCP security is enabled on multiple vlans along with dhcp stateless relay enabled at that time, dhcp security bindings may not happen.
1742696	Address allocation for DHCP client will fail if 'force-discover' configuration is enabled on client Product-Group=junos	Junos based platforms operating as DHCP-client with 'force-discover' knob enabled, will get stuck in requesting state when DHCP-Server is not responding. Client will face login failure and thus traffic would be impacted.
1744162	Active bulk leasequery is not working for IPv6 DHCP local server	Active bulk leasequery does not work on MX platforms when it is configured for DHCPv6 Server and one of the BNG (Broadband Network

	on MX platforms Product-Group=junos	Gateway) nodes restarts. DHCPv6 server bindings are not synced to Backup BNG. So if the failover happens at this state, all subscribers and traffic is lost.
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.
PR Number	Synopsis	Category: jl2tpd daemon
1720994	L2TP tunnels may time out if creation of bbe-smgd core dump takes a long time. Product-Group=junos	In a subscriber-management environment, L2TP tunnels may time out if bbe-smgd crashes with core dump if creation of the core dump takes longer than the effective L2TP timeout.
PR Number	Synopsis	Category: Flow Module
1693767	On SRX platforms, tunnel fails to come up when tunnel destination routing instance is configured Product-Group=junos	On all Junos SRX platforms, when tunnel destination routing instance is configured, the tunnel fails to come up since route lookup for the tunnel destination is performed in the ifp routing instance instead of the tunnel destination routing instance.
1742739	Virtual Routing Instance configured on ingress interface will drop the icmp traffic Product-Group=junos	On all Junos platforms, If the Virtual Routing Instance is set on the ingress interface, the incoming packet will not be forwarded correctly.
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.
PR Number	Synopsis	Category: all logging related bugs on srx platforms
1708116	Log streaming Hosts configured as FQDN may fail when DNS re-query is performed Product-Group=junos	On SRX platforms, log streaming using FQDN requiring DNS name resolution may fail to re-query resulting in FQDN resolution to fail.
PR Number	Synopsis	Category: IPSEC/IKE VPN
1745174	IPSEC VPN does not come up in NAT-	On all SRX platforms with IPSEC (Internet Protocol Security) VPN

T scenario
Product-Group=junos

(Virtual Private Network) configured with main mode, if SRX is the VPN initiator and NAT-T (Network Address Translation-Traversal) is configured (which is by default), the IPsec VPN tunnel does not come up. This is a timing issue and occurs when a tunnel delete or rekey occurs.

PR Number	Synopsis	Category: Security platform jweb support
1735314	Editing security policy configuration via J-web is enabling "Exclude Selected" unexpectedly Product-Group=junos	On Junos platforms, when you cancel editing source/destination address in security policy using J-web, "Exclude selected" is unexpectedly enabled.
1736942	Junos OS: EX and SRX Series: A PHP vulnerability in J-Web allows an unauthenticated to control important environment variables (CVE-2023-36845) Product-Group=junos	A PHP External Variable Modification vulnerability in J-Web of Juniper Networks Junos OS on EX Series and SRX Series allows an unauthenticated, network-based attacker to control certain, important environments variables. Utilizing a crafted request an attacker is able to modify a certain PHP environment variable leading to partial loss of integrity, which may allow chaining to other vulnerabilities. For more information see https://kb.juniper.net/JSA72300
1748078	Cannot add custom defined security address-book under Security Policies & Objects > Security Policies > Create > Source Zone > Select Sources. Product-Group=junos	In the J-Web UI for SRX Series Firewall, when you configure the source zone for addresses in the security policy rule, the customized address-book entries are not displayed. J-Web displays only any-ipv4 and any-ipv6.
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
1661423	Continuous error logs and Telemetry data might not be populated Product-Group=junos	On all Junos platforms, error logs are observed and telemetry data related to the transceiver does not get correctly populated for PICs (Physical Interface Cards). This is a non-service impacting issue.
PR Number	Synopsis	Category: Layer 2 Control Module
1739975	Layer 2 traffic will be dropped on VSTP disabled interface Product-Group=junos	On Junos platforms, Whenever an interface is disabled under VSTP (VLAN Spanning Tree Protocol) configuration, the issue will be seen in the following cases. 1. When interface, IFBD (Interface Family Bridge Domain) and VSTP, configured via single commit. (In case of new configuration) 2. When VSTP configurations are present and chassisd restarts/device reboots, then issue will be seen. (During ifd delete and add, issue will be seen)

1745102	BPDU Protection with packet-action drop support on QFX10002-60C Product-Group=junos	BPDU Protection with packet-action drop support on QFX10002-60C
1746244	clear error command support for qfx10002-60c Product-Group=junos	"clear error bpdu interface" command support for qfx10002-60c.
1754474	Traffic impact will be seen for static VoIP VLAN on access interface if same VLAN configured as data VLAN Product-Group=junos	On all Junos platforms, traffic impact will be seen for static VoIP VLAN on access interface if same VLAN is configured as data VLAN on any of the access interfaces.
PR Number	Synopsis	Category: Layer2 forwarding on EX/NTF/PTX/QFX
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.
1733543	Traffic loss is seen when "l2cp force-up" knob is configured Product-Group=junos	On all Junos and Junos OS Evolved platforms, traffic destined to the core is getting dropped when "l2cp force-up" knob is configured on ae interface under EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) scenario.
1743282	The l2ald crashes when there is recursive deletion of IFBD or when BGP neighborship is cleared in EVPN-VXLAN multi-homed configuration Product-Group=junos	On all Junos and Junos OS Evolved platforms, in a rare scenario, due to timing issue, the l2ald (Layer 2 Address Learning Daemon) crashes and traffic is being blackholed due to recursive deletion of IFBD (Interface Family Bridge Domain) or when BGP (Border Gateway Protocol) neighborship is cleared when EVPN (Ethernet Virtual Private Network) - VXLAN (Virtual Extensible Local Area Network) with multi-homed is configured.
PR Number	Synopsis	Category: SW PRs for MPC10E Interfaces
1745317	MPC10E - PIC bounce/config change on a PIC with 10G QSA adaptor can cause a FPC restart Product-Group=junos	On MPC10E, if the PIC bounce (offline/online) or a config change is triggered with a PIC that has a QSA adaptor plugged in, the entire FPC can restart because of a core. The issue is only applicable to MPC10E platform. PIC bounce can cause the PFEMAN to hang, resulting in a fabric blackhole. This eventually will cause the entire FPC to restart because of the cmerror action.
PR Number	Synopsis	Category: DNS filtering on MX.
1733435	23.2R1 :USF_DNSF:log messages are not generated when Sending MX query with domain name in black list with action as report after configure the web filtering with one/morep profile and template. Product-Group=junos	DNS Sinkhole functionality on MX will not work without fix for this PR.

PR Number	Synopsis	Category: MX Timing software
1704633	Interface flaps are seen after PTP GM changes to a different FPC slot Product-Group=junos	On MX platforms, when PTP (Precision Time Protocol) is configured, the interfaces will flap after the PTP GM (Grand Master) is changed to a different FPC (Flexible PIC Concentrators) slot. The flaps can last for several seconds. Chassis-SyncE clock is also influenced by PTP phase change.
1738458	PTP time sync issues after release upgrade or rebooting the device Product-Group=junos	On all MX platforms with 20x1GE MICs (Modular Interface Card), PTP (Precision Time Protocol) downstream client cannot receive an accurate clock from the router after an upgrade or FPC restart which impacts the PTP functionality.
1746541	MPC10E line card crashes when it reboots after FPC firmware upgrade Product-Group=junos	On MX240/MX480/MX960 platforms, if Precision time protocol (PTP) is configured, MPC10E line card crashes continuously after FPC firmware upgrade and when MPC10E line card is rebooted.
1746984	PTP master feature will not work as expected Product-Group=junos	On MX240/MX480/MX960 platforms with SCBE3 (Enhanced Switch Control Board), PTP (Precision Time Protocol) master feature shall not work as expected. The qualified PTP CLK (8k) from RE (Routing Engine) will not propagate to other Line cards that are acting as Master to downstream nodes.
PR Number	Synopsis	Category: MX10K platform
1719915	Removing a PEM that doesn't have power feed does not generate the SNMP TRAP for "Power Supply Removed" Product-Group=junos	If a display power entry module (PEM) doesn't have power feed by turning the power switch OFF, removing the PEM physically will not generate the SNMP TRAP "Power Supply Removed."
PR Number	Synopsis	Category: OS IPv4/ARP/ICMPv4
1722708	ksyncd core with dhcp subscribers Product-Group=junos	On all Junos platforms, in a very rare scenario, when subscriber-management and NSR is enabled, there could be a temporary transition state where one subscriber prefix has 2 nexthop referred. In that state if a deletion happened for that particular prefix, the nexthop deletion is successfully done one master RE but the deletion is failed on the backup RE. This eventually causes nh index inconsistency and then ksyncd core on backup RE. The fix is to make sure the deletion on the backup can be done successfully.
1735686	The message "kernel: %KERN-6: ARP UNICAST MODE 0; retrans_timer - 8" might be seen when commit command is run for configuration which is not related to ARP Product-Group=junos	"kernel: %KERN-6: ARP UNICAST MODE 0; retrans_timer - 8" message might be seen when commit command is run for configuration which is not related to ARP
PR Number	Synopsis	Category: FreeBSD Kernel Infrastructure

1742088	EX4100/EX4400 device is not able to recover from OAM Product-Group=junos	OAM snapshot recovery not working as expected, post "request system reboot oam" system should boot OAM recovery mode, but system is rebooting back with current installed image.
PR Number	Synopsis	Category: "ifstate" infrastructure
1735685	Control plane flap, data drop, unexpected behavior of PFE or device is observed when file storage is impacted in a continuous ksyncd process crash scenario Product-Group=junos	On all Junos platforms configured with GRES (Graceful Routing Engine Switchover), file storage in the system will get affected when the ksyncd process crashes continuously and result in control plane flap, data drop or unexpected behavior of PFE (Packet Forwarding Engine) or device.
PR Number	Synopsis	Category: Kernel MPLS / Tag / P2MP Infrastructure
1747365	rpd crash observed during RE switchover or Route Convergence Product-Group=junos	On Junos EX and QFX platforms, where in few cases during an RE (Routing Engine) switchover (caused by rpd crash on the master RE), rpd (routing protocol daemon) crash is observed on the backup RE once it becomes the master. This results in complete network outage.
PR Number	Synopsis	Category: OSPF routing protocol
1732500	The adjacent PE Node SID label will drop from routing table when MicroLoop-Avoidance is enabled in OSPF-SR Product-Group=junos	On all Junos and Junos OS Evolved platforms when OSPF MicroLoop-Avoidance(MLA) is enabled on Segment Routing(SR) speaking node connected to LDP speaking node and this same SR node has to do SR-LDP stitching, the LDP route on the LDP facing interface will be withdrawn and eventually withdraws the node SID label if there has either LDP speaking node facing link flapping or the rpd is restarted.
PR Number	Synopsis	Category: Express Chip L3 software
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.
1743978	GRE over IPv6 will not work resulting in traffic impact post-upgrading the device Product-Group=junos	On QFX10002-60C platform, GRE (Generic routing encapsulation) for IPv6 will not work resulting in traffic impact due to software issues post-upgrading the device from lower than 21.3R1 release.
PR Number	Synopsis	Category: Phone-Home-Client Infrastructure
1687926	Unable to onboard the VC members after performing ZTP due to the phone-home process sending a blank in the device serial number field while connecting to the redirect	When EX4100/EX4400 devices are first powered on, the Zero Touch Provisioning (ZTP) by phone home will provision the devices. In rare situations where the powered devices are already connected with Virtual Chassis Port (VCP) cables to form a Virtual Chassis (VC), the ZTP using the phone home will keep retrying to connect the redirect server

	server Product-Group=junos	and unable to onboard VC because of the blank serial number sent by the phone home due to the memory corruption.
1726603	Memory leak is observed on all Junos platforms during ZTP Product-Group=junos	On all Junos platforms where ZTP (Zero Touch Provisioning) is supported, memory leak will be seen when system is zeroized for long and left for couple of days.
1736982	Phone-Home redirect config missing for EX4650 after zeroize Product-Group=junosvae	Phone-Home redirect config missing for EX4650 after zeroize
PR Number	Synopsis	Category: Protocol Independant Multicast
1720240	RPD process crashes on all Junos and Junos OS Evolved platforms after adding static route to the VRF in some scenarios Product-Group=junos	When static route is added to the VRF (Virtual Routing and Forwarding), and mc-ip (multicast-ip) and the PIM (Protocol Independent Multicast) instance get deleted in some scenarios, the RPD process crash is seen on all Junos and Junos OS Evolved platforms.
PR Number	Synopsis	Category: Periodic Packet Management Daemon
1739860	The IPv6 link local based BFD session over an AE interface will be stuck in Init state Product-Group=junos	On all MX platforms, when chassis network-services is set in IP mode, the IPv6 Link Local based BFD session over an AE interface will be stuck in init due to the next-hop misprogramming in the PFE.
PR Number	Synopsis	Category: QFX platform fabric mgmt for Express ASIC chip
1734735	Packet drop is observed due to SIB ASIC issue on fabric Product-Group=junos	On all inserted FPCs of Junos based QFX10K8/QFX10K16 platforms, due to SIB (Switch Interface Board) ASIC (Application-Specific Integrated Circuit) issue on fabric, packets are getting dropped and major errors "PECHIP_CMERROR_EPW_MISC_INT_EVENTS_CRC_ERR (0x2101aa)" are reported. These errors are not auto-cleared on a couple of FPCs.
PR Number	Synopsis	Category: QFX PFE Class of Services
1726124	The class of service subsystem crashed after the device is restarted or the switchover is performed Product-Group=junos	On Junos QFX5100 and QFX5110 platforms in virtual chassis, the cosd crash is observed when the GRES (Graceful Routing Engine Switchover) is performed or the device is restarted, due to which the Class of Service (CoS) functionality will not work. It is a rare issue.
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 occurred.
1722348	[evpn_vxlan][dcf10] More than	FRR with Type-1 ESI takes more time to converge as Type-1 ESI is build

	expected traffic loss is seen when fast re-route is enabled and one of MH interfaces is bring down Product-Group=junos	on partner systemid and adminkey. When the link goes down partner system id is lost and interface is withdrawn from the ESI.
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.
1732718	On router reboot an interface in SP style blocks all packets on "family inet/inet6" interfaces if VSTP is configured on vlan-bridge encapsulated VLANs Product-Group=junos	On Junos QFX5K and EX platforms that support Enhanced Layer 2 Software (ELS), VLAN Spanning Tree Protocol (VSTP) on vlan-bridge(L2) blocks all packets on "family inet/inet6"(L3) interfaces configured in SP style when the device reboots. All the L3 interfaces on the specific port will be impacted.
1736348	BFD session remains stuck in INIT state on certain QFX and EX platforms Product-Group=junos	On Junos QFX5120-48Y/EX4650-48Y/QFX5120-32C platforms, when the MAC (Media Access control) address corresponding to a next hop is updated, the BFD (Bidirectional Forwarding Detection) endpoints that are using this Next hop/egress is not picking up the updated MAC address and as result BFD session remains in INIT state and causes traffic impact.
1741316	The traffic drop is observed due to the MAC source address being learned from the wrong direction Product-Group=junos	On Junos EX4300/QFX5200/QFX5210 platforms with VXLAN (Virtual Extensible Local Area Network) enabled, when the ARP (Address Resolution Protocol) request is sent from the device, the MAC (Media Access Control) address is learned from the wrong direction which results in the traffic drop.
PR Number	Synopsis	Category: QFX L3 data-plane/forwarding
1709664	BFD sessions flap on EX and QFX platforms Product-Group=junos	On all EX and QFX platforms, BFD(Bidirectional Forwarding Detection) sessions are flapped with VLAN configuration change on LAG interface.
1725375	DCPFE process crash can be seen on all Junos EX and QFX5K platforms with MACSEC enabled Product-Group=junos	On all Junos platforms supporting MACSEC (Media Access Layer Security), the DCPFE (Dense Concentrator Packet Forwarding Engine) process might crash in a rare scenario when the configuration of MACSEC is deleted from the interface and the PFE is trying to access the memory location of the interface. The DCPFE process crash will lead to the FPC (Flexible PIC Concentrator) reboot but the system will self-recover.
PR Number	Synopsis	Category: QFX MPLS PFE
1742364	Traffic dropped is observed in the MPLS LDP scenario when the peer device MAC address is changing Product-Group=junos	On Junos QFX5100 and EX4600 platforms when there is MAC (Media Access Control) change for the LDP (Label Distribution Protocol) neighbor and IP remains the same, the ARP (Address Resolution Protocol) update is proper but MPLS LDP may still use the stale MAC address of the neighbor. If there is any application/service such as MP-BGP using LDP as next-hop, all transit traffic pointing to the stale MAC address will be dropped.

PR Number	Synopsis	Category: QFX 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.
1727119	The EVPN-VXLAN proxy-arp will respond with the wrong MAC when no-mac-learning is configured Product-Group=junos	On all Junos and Junos OS Evolved platforms in the EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) scenario, when the knob "switch-options no-mac-learning" is configured, the mac-ip entry will still be learned even though the MAC learning is disabled due to which the proxy ARP (Address Resolution Protocol) will not work properly on the leaf device and it will respond with a wrong MAC address for the ARP request.
1731583	Traffic drops when any of the VXLAN VLAN is deleted Product-Group=junos	On Junos QFX5100, EX4600, QFX5200 and QFX5210 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 interface with native vlan configured Product-Group=junos	QFX5120 will reboot without causing a dcpfe crash upon the deletion of EP style (Enterprise Style), and trunk interfaces with multiple IFLs and native VLAN configured.
1736954	Unexpected VLAN tagging behavior would be observed in the EVPN-VXLAN scenario Product-Group=junos	On Junos QFX5K/EX4650/EX4400/EX4100 platforms, in Ethernet VPN - Virtual Extensible Local Area Network (EVPN-VXLAN) scenario when multiple access ports with different VLAN (Virtual LAN) Ids in the same BD-VNI (Bridge-Domain VXLAN Network Identifiers) domain, the ingress VLAN is retained while the packet is egressing on other ports. This is seen when the knob 'encapsulate-inner-vlan' is configured and the IFD is configured with 'flexible-vlan-tagging'.
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.
1738276	High convergence time in the EVPN-VxLAN uplink failover scenario Product-Group=junos	On Junos QFX5K platforms in the EVPN-VxLAN scenario, due to high convergence time, traffic loss is more than expected when the uplink to the spine disabled (CLI initiated uplink failover).
1740327	The loop-detect is not working in the VXLAN scenario Product-Group=junos	The loop-detect functionality is not working in the Virtual Extensible LAN protocol(VXLAN) scenario enabled with knob "encapsulate-inner-vlan" on Junos QFX5110/QFX5120/QFX5200/QFX5210 platforms. This prevents any loop detection in the looped topology and causes the traffic impact.
PR Number	Synopsis	Category: QFX10008/16 QFX10002 Ultimat/Elit platform related issues -

1734734	Online SIBs will go down due to a faulty SIB that triggers spmbpfe crash Product-Group=junos	On all the QFX10000 line of switches and PTX Series routers running Junos OS, due to initialization failure of a faulty Switch Interface Board (SIB) in the device, the Switch Processor Mezzanine Board (SPMB) status process, also known as the spmbpfe process, crashes and online SIBs go down.
1742186	SPMB process will crash and PICs will not come online Product-Group=junos	On the QFX10000 line of switches running Junos OS, due to initialization failure of a faulty Switch Interface Board (SIB) in the device, the Switch Processor Mezzanine Board (SPMB) status process, also known as the spmbpfe process, crashes and online SIBs go down. Traffic cannot flow through the line card when this happens.
PR Number	Synopsis	Category: QFX5100 Platfom related issues. CPLD, FPGA, FRU, Host, RE
1727834	Configuration load failure from event script fails on QFX5100-48S-6Q after upgrading to 21.4R3 Product-Group=junos	On QFX5100-48S-6Q, the device configuration load via event script fails after performing an upgrade to the 21.4R3 release. This issue is encountered when the switch configuration includes an "event-options event-script file unconfigured-port-event.slax" and the slax file contains an embedded event policy. If the issue is encountered, log in via the console with the root user and delete the event-options event-script file unconfigured-port-event.slax (slax files) that contains an embedded policy.
PR Number	Synopsis	Category: QFX5100 Virtual Chassis
1746788	[QFX5K]When RSI(request support information) is executed in the VC configuration, some errors output Product-Group=junos	On QFX5K platform, "request pfe execute ... target fpc" in RSI is always executed on master role in the VC configuration.
PR Number	Synopsis	Category: QFX5200/5110/5120/5210 Platform optics related issues
1738077	Link down due to FEC mismatch on EX4650, EX4400 and Junos based QFX5K platforms using 25G-LR optics Product-Group=junos	In a combination of EX4650 connected to EX4400 and Junos based QFX5K platforms connected to EX4400 using 25G-LR(Long Range) optics, FEC(Forward Error Correction) value mismatch between directly connected devices would cause the link to go down on Junos release version 20.4R3-S8 and above and leads to complete traffic loss.
PR Number	Synopsis	Category: Issues related to dynamic-tunnels routing infrastructure
1695236	The rpd process crash is observed when dynamic tunnel deletes composite next-hop Product-Group=junos	On all Junos OS Evolved platforms, the rpd process crash is observed when dynamic tunnel deletes composite next-hop.
PR Number	Synopsis	Category: RPD infrastructure issues related to NSR, GRES, switchover,
1727957	The traffic drop is observed during the Graceful restart on Junos and Junos Evolved platforms	On all Junos and Junos Evolved platforms, during the time of Graceful restart(GR), the routes in the Multiprotocol Label Switching(mpls).0 table will be updated even when the routing protocols are in the

	Product-Group=junos	process of re-convergence and have not yet come out of GR. This causes inaccurate routes in the routing table and traffic drop is observed during GR.
PR Number	Synopsis	Category: KRT Queue issues within RPD
1738820	An rpd crash will be observed due to inconsistency between rpd and kernel Product-Group=junos	On Junos and Junos Evolved platforms, an rpd crash will be observed when rpd tries to add composite next-hop with the same parameters as in the kernel existing composite next-hop which is marked deleted but not deleted due to some reference.
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 daemon) 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)
1747992	The memory consumption increases due to memory leak Product-Group=junos	On all Junos and Junos OS Evolved platforms, a continuous memory leak is observed due to an allocated socket memory not being freed. This is a minor leak but can lead to significant memory usage on highly scaled setups leading to performance and functional impact including system crash beyond a certain point.
PR Number	Synopsis	Category: RPD policy options
1744449	Policy change to a rib-group import-policy configured with global routing-options interface-routes causes the rpd issue on all platforms with EVPN-VXLAN configuration Product-Group=junos	When a user configures "set routing-options interface-routes rib-group " along with an import policy for that particular rib-group, it will result in an unexpected behavior. It could disrupt the rpd or result in the rpd running at 100%. This issue is only related the "interface-routes" being configured in the global routing-options hierarchy with EVPN-VXLAN configuration. This issue won't be seen when routing-options configurations can have "interface-routes" enabled under specific routing instance.
PR Number	Synopsis	Category: Shard routing infrastructure within RPD
1716431	Memory leak will be observed in rpd after performing restart routing Product-Group=junos	On all Junos OS and Junos OS Evolved platforms with rib-sharding enabled, memory leak will be observed in rpd when restart routing is performed. If system is up from long time and restart routing

		performed multiple times can exhaust system memory that causes to process crash or configuration are not effective/applied because of lack of memory then it is possible that it will impact traffic.
PR Number	Synopsis	Category: RPD route tables, resolver, routing instances, static routes
1742147	Memory leak observed when reconfiguring the flow routes Product-Group=junos	On all Junos and Junos OS Evolved platforms, if the nexthop of a flow route is the same as it was before when reconfiguring flow routes, memory leak occurs. High memory use of routing process daemon(rpdd) is seen as a result of this leak. A kernel out of memory message is observed which results BGP flap.
PR Number	Synopsis	Category: Resource Reservation Protocol
1723229	The rpd process crash is observed when RSVP LSP at Juniper transit/ingress router receives RESV message with RESVCONF object in multi vendor deployment Product-Group=junos	On all Junos and Junos OS Evolved platforms (For QFX5100, only in Virtual Chassis-VC setup) with RSVP (Resource Reservation Protocol) LSP (Label-Switched Path) configured in multi vendor deployment and Juniper router is acting as a transit/ingress router and RESV (Reservation Request) message is received with RESVCONF object from other vendors, rpd process crash will be observed.
PR Number	Synopsis	Category: SRX Argon module
1737442	Intermittent core-dumps is received when SMB protocol is enabled on AAMW policy and PFE memory is exhausted Product-Group=junos	On SRX platforms, When Server Message Block(SMB) protocol is enabled on advanced anti-malware(AAMW) policy and PFE memory is exhausted in that condition, SMB and SMTP is calling the same fallback API results high memory utilization. There are two types of cores is generated one is from AAMW plugin and the other is from DNS plugin. Both of them are because memory is exhausted and these high memory utilization can cause PFE process crash which results network outage for a while.
1738656	Traffic drop caused by PFE memory leak on SRX platforms Product-Group=junos	On Junos SRX platforms enrolled into ATP (Advanced Threat Prevention) cloud, memory leak is observed in the PFE (Packet Forwarding Engine) while deletion of few of the signatures which have no hash value. This memory leak results in traffic loss.
PR Number	Synopsis	Category: Remote Access VPN issues on SRX
1732746	nsd crash impacting remote access vpn on SRX devices Product-Group=junos	nsd crash can be observed on SRX platforms when the SSL certificate does not have the common name (CN), Organization Unit (OU) and Organization field, this leads to break in remote access connectivity.
PR Number	Synopsis	Category: SRX branch platforms
1658968	The DNS information is getting lost when IPCP flaps Product-Group=junos	On all SRX-branch series platforms working as a PPPoE (Point-to-Point Protocol over Ethernet) client and a DHCP (Dynamic Host Configuration Protocol) server, DNS (Domain Name System) information is getting lost, for which the DHCP client won't receive DHCP information and DNS packets will not get resolved to result in the packet drops. This issue happens when the IPCP (Internet Protocol Control Protocol)

		source address is not getting copied and IPCP is getting flapped due to the interface (DHCP interface) being flapped.
1715247	Interface speed stays 100Mbps when removing speed and duplex command separately Product-Group=junos	On SRX branch series, when the interface speed is set to 100Mbps and the link-mode is set to full-duplex, the interface speed remains at 100Mbps even the speed and duplex commands are removed separately.
1719108	OAM not working with flexible-vlan-tagging Product-Group=junos	OAM is not working when flexible-vlan-tagging is enabled
1744108	Commit panic reboot observed after implementing system processes watchdog timeout 180 on SRX hardware platforms Product-Group=junos	On SRX hardware platforms, configuring set system processes watchdog related command causes commit panic reboot. Watchdog related commands are unsupported on SRX hardware platforms.
PR Number	Synopsis	Category: SRX5XX platform
1620982	8-Port Gigabit Ethernet SFP XPIM not passing traffic after software upgrade Product-Group=junos	On SRX550 platform, after doing a software upgrade, 8-Port Gigabit Ethernet SFP XPIM is not passing traffic
PR Number	Synopsis	Category: SRX-1RU platform related protocol, QoS, filtering features et
1737721	Junos OS installation using USB can fail on SRX4600 Product-Group=junosvae	On SRX4600 platforms, Junos OS installation using USB can fail due to slow USB detection.
PR Number	Synopsis	Category: ZT/YT pfe firewall software
1738548	DHCP offer is dropped at MX and specific EX platforms when an lt interface is used as the transport Product-Group=junos	On MX and EX92_XX platforms, the DHCP offer will be dropped when LT interface is used to reach the DHCP server. DHCP relay will not work as expected due to this issue.
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.
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.

PR Number	Synopsis	Category: Trio pfe stateless firewall software
1682164	Traffic drop is seen after configuring fast-lookup-filter Product-Group=junos	On MX platforms with specific line cards, when fast-lookup-filter (FLT) is used on a highly scaled device, a packet processing loop in PPC will corrupt the internal next-hop lookup, causing a traffic drop.
1742123	Inline-monitoring will not work as expected when more than one instances are configured Product-Group=junos	On all Junos MX and EX9200 platforms, when more than one instances of the "inline-monitoring" service are placed under firewall filter, all prefixes point to the firewall filter first term regardless of the match condition which results in inline-monitoring not working as expected.
PR Number	Synopsis	Category: Trio pfe bridging, learning, stp, oam, irb software
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.
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.
PR Number	Synopsis	Category: Trio pfe l3 forwarding issues
1739854	Major alarms will be observed on the FPC when ALB is enabled under AE interface Product-Group=junos	On Junos MX platforms with MPC2-MPC9 line cards configured with ALB (Adaptive Load Balancing) under AE (Aggregate Ethernet) interface and Network-Services IP mode, when the AE interface comes up initially or activating AE after deactivating, the error logs of "Bad JNH Write to unilist-selector" and "LUCHIP Uncorrectable ECC" would be observed. These errors will lead to major alarms on the FPC (Flexible PIC Concentrators) causing traffic impact.
PR Number	Synopsis	Category: Configuration mgmt, ffp, load-action, commit processing
1562848	The mustd process may crash on all platforms Product-Group=junos	With a large-scale configuration, in rare cases, the mustd may crash. The mustd process, which is responsible for configuration constraint checks, might crash on commit, leading to commit failure.
PR Number	Synopsis	Category: UI Infrastructure - mgd, DAX API, DDL/ODL
1693630	In JUNOS EVO "show display inheritance" does not work correctly for LSPs with whitespace in the name Product-Group=junos	An LSP with whitespace in the name does not display correctly when viewing the configuration using 'show display inheritance'
1730336	The rpd crashes and the commit	On all Junos platforms, when the 'extend-size' knob is configured and a

	operation fails while pushing a large configuration with the "extend-size" knob enabled Product-Group=junos	scaled configuration is committed, the rpd daemon crash is seen and the commit operation fails.
1740289	The 'load replace' operation might result in mustd and mgd crash Product-Group=junos	On Junos and Junos Evolved platforms with apply-group configured, mustd and mgd crash might be observed when the 'load replace' operation is performed due to which all the apply-groups will get deleted internally, and respective hierarchies will not be notified.
1745565	The mgd process crash is observed when 'show' is executed from the configuration mode Product-Group=junos	On all Junos platforms, when 'show' is executed from the configuration mode, a mgd process crash is observed which has no functionality impact.
PR Number	Synopsis	Category: Issues related to NETCONF
1585855	< ok/> response is getting generated along with < rpc-error> Product-Group=junos	When maximum-password-length is configured and the user tries to configure password whose length exceeds configured maximum-password-length, there is an error and the " tag is emitted. (Ideally " tag should not be emitted in an error scenario.) The configuration does not get committed.
PR Number	Synopsis	Category: Junos Fusion Satellite Device Infrastructure
1733558	Junos Fusion Satellite device will be stuck in the SyncWait state Product-Group=junos	Post upgrading the Junos Fusion AD (Aggregation Device) to the 21.4 release, the Junos Fusion Satellite devices will be stuck in SyncWait as they are trying to generate the ssh keys before clearing the old keys. The Satellite devices will not be responsive as they are stuck in the SyncWait state leading to traffic loss.
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.
PR Number	Synopsis	Category: usf ams related issues
1738300	Eventd running 100% cpu cycle while running AMS statistics related show command continuously Product-Group=junos	On all Junos and Junos Evolved platforms, When 'show interfaces AMS' is executed continuously via CLI or SNMP, eventD spikes. This will not cause any impact.
PR Number	Synopsis	Category: usf ipsec related issues
1734212	IPSEC traffic drops when two ARI routes get installed for the same	On Junos MX and MX-VC devices having Junos-ike (Internet Key Exchange) package installed, the ARI (Auto Route Insertion) route

tunnel Product-Group=junos	generally gets pushed to the rpd for each config tunnel having traffic selector based on-traffic VPNs (Virtual Private Network). But it has been observed that if the iked process is restarted before the actual tunnel is negotiated, then it will result in two ARI route entries (corresponding to the same config tunnel) and this will impact the IPSEC (Internet Protocol Security) traffic on that tunnel.
1744601	With multiple Traffic Selectors having same remote-ip, the traffic works only for first tunnel on MX platforms with SPC3 cards Product-Group=junos
1744601	In MX-SPC3 IPsec deployments, if multiple traffic selectors are configured with same remote-ip (different local-ip), the traffic works only for one of the tunnels.
PR Number	Synopsis
PR Number	Category: usf logging and reporting function related issues
1744563	[USF - SPC3 - LOGGING] "log-tag" is not populated in the cgnat syslogs intermittently Product-Group=junos
	Sometimes, the log-tag within a stream is not used in syslog generation.

22.3R3-S1 - List of Known issues

PR Number	Synopsis	Category: EX4300 PFE
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. <i>Resolved In:</i> junos:20.4R3-S9 junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S4 junos:21.4R3-S5-X1
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 be seen when interface/device comes up and there will be traffic loss during the PFE restart. <i>Resolved In:</i> junos:20.4R3-S7 junos:21.1R3-S5 junos:21.2R3-S5 junos:21.3R3-S4 junos:21.4R3-S4 junos:21.4R3-S4-X1
1738406	On EX4300MP-EX4300 mixed VC setup, "show system software sets" command shows 'Pending set' software version even after rebooting. Product-Group=junos	On EX4300MP-EX4300 mixed VC setup, "show system software sets" command shows 'Pending set' software version even after rebooting. <i>Resolved In:</i> junos:21.3R3-S5 junos:21.4R3-S5
1747126	On EX4300-VC, qsf_p_tk_read_mem_page	On EX4300 VC setup, "qsf_p_tk_read_mem_page: Rear QSFP+ PIC

messages might be seen after an upgrade
Product-Group=junos

failed to select addr 127 err 1000" messages may be seen
intermittently. There is no functionality impact for these error
messages

Resolved In:

1749289	On EX4300, "Error requesting CMTFPC SET INTEGER" and "Error requesting SET BOOLEAN" logs may be seen after device boot up. There is no functional impact for the error messages Product-Group=junos	On EX4300, "Error requesting CMTFPC SET INTEGER" and "Error requesting SET BOOLEAN" logs may be seen after device boot up. There is no functional impact for the error messages <i>Resolved In:</i> junos:20.4R3-S9 junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S5
PR Number	Synopsis	Category: EX2300/3400 PFE
1721433	On EX2300MP, error messages are observed during reboot/image upgrade Product-Group=junos	Logs dc-pfe[16077]: PFE_BRCM_COS_HALP_ERR: BRCM_COS_HALP(brcm_block_cpu_traffic:2383):Port MMU Traffic setting skipped (Feature unavailable) Feature port MMU traffic setting is not supported on EX2300 platform due to which logs were displayed. These logs are not functionality impacting. <i>Resolved In:</i> junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: EX2300/3400 platform
1744141	On EX2300/EX3400, unexpected error message during oam boot Product-Group=junos	It is not able to get active package date in OAM boot. Instead of getting active package date get the snapshot package date while in OAM/snapshot boot. Added set_pkgset & /packages/sets/\$pkgset instead of /packages/sets/active. It will get package date correctly in normal boot, USB snapshot boot, and recovery snapshot boot. <i>Resolved In:</i> junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R2-S2 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: EX-Series VC Infrastructure
1700133	One of the Virtual Chassis members on EX4600-VC might be disconnected during VC initialization Product-Group=junos	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 is disconnected. <i>Resolved In:</i> junos:20.2R3-S7 junos:20.4R3-S9 junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S4
PR Number	Synopsis	Category: SPC3 HW and SW Issues
1749584	SRX device will take time to come up in HA	For SRX Platforms with SPC3 cards in cluster configuration, One

or device will go down in standalone setup
Product-Group=junos

of the node in cluster will go down as FPC(Flexible PIC Concentrators) takes extra time to reset. In standalone setup, device will go down.

Resolved In: junos:22.1R3-S4 junos:22.4R3 junos:23.1R2
junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1

PR Number	Synopsis	Category: Fireall support for ACX
1737999	Transit VPN traffic towards local CE failed in ARP resolution due to VRF lo0.x RE filter in place Product-Group=junos	On ACX1K/2K platforms, when a lo0.x filter is configured under a vrf type routing-instance, any IPv4 transit traffic that makes ARP request to generate to the CE-facing interfaces will fail in ARP resolution due to the ARP request packets are discard by lo0.x filter if no specific term to accept the IPv4 packets <i>Resolved In:</i> junos:21.2R3-S6
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 deactivate/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. <i>Resolved In:</i> junos:20.4R3-S8 junos:21.2R3-S6 junos:22.1R3-S4 junos:22.2R3-S2 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: AFT l2lam
1722102	QFX5130 EVO vxlan: QFX5130 always sends NS(Neighbor Solicitation) with link local address Product-Group=junos	On QFX platform series which is working on EVO and vxlan function, it sends IPv6 NS(Neighbor Solicitation) with link local address even through target IP is global address. <i>Resolved In:</i> evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R2-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:23.1R2 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: MPC Fusion SW
1744883	100G interfaces will flap due to RE switchover on Junos MX platforms with MPC3E-3D-NG/MPC-3E-3D-NG-Q linecards	On Junos MX platforms with MPC3E-3D-NG/MPC-3E-3D-NG-Q linecards, 100G interfaces will flap due to RE (Routing Engine) switchover.

Product-Group=junos

Resolved In: evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:21.2R3-S6 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1

PR Number	Synopsis	Category: australia related kernel issue
1670772	22.2R1:FIPSCC:L2HA:After RG0 failover, node priority are set to zero for node0 with Relinquish monitoring failure. Product-Group=junos	<p>After RG0 failover, node priorities are set to zero for both nodes with Relinquish monitoring failure. Expected behaviour is, RG0 Failover should happen gracefully without node priority being disturbed. Issue is seen after image upgrade and perform RG0 failover to node1 and/or fallback to node0. Issue is seen on latest 22.2R1.6 and 22.2R1.7 build. Issue is seen only when HA Link encryption feature is enabled to secure communication between primary and backup node Issue is not seen during fresh bringup of L2HA cluster Issue not seen in 22.3 releases L2HA device here is combination of RE3+SCB4+SPC3+IOC4.</p> <p><i>Resolved In:</i> junos:22.2R3-S2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1</p>
PR Number	Synopsis	Category: PFE issue for flowd on australia SPU
1727027	No traffic captured with datapath-debug packet-dump Product-Group=junos	<p>Datapath-debug packet-dump can stop capture the transit traffic packets, this is valid for scenario where datapath-debug packet filters with packet-dump are targeting the traffic on the interface with configured firewall filters.</p> <p><i>Resolved In:</i> junos:20.4R3-S9 junos:23.2R2 junos:23.3R2 junos:23.4R1</p>
PR Number	Synopsis	Category: BBE Advanced Services related issues
1735560	The bbe-smgd crash can be seen in a certain scenario Product-Group=junos	<p>On Junos MX platforms supporting subscriber services, the bbe (broadband edge)-smgd (subscriber management daemon) crash can be observed due to memory consumption which will impact subscribers from bringing up.</p> <p><i>Resolved In:</i> evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1</p>
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	<p>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.</p> <p><i>Resolved In:</i> 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</p>

junos:21.2R3-S6 junos:22.3R3 junos:22.4R3 junos:23.1R2
junos:23.2R2 junos:23.3R1

PR Number	Synopsis	Category: Border Gateway Protocol
1742513	When BGP is configured in routing-instance virtual router without L3VPN configuration, default MPLS table is being created unexpectedly Product-Group=junos	On all Junos platform, when BGP is configured in routing-instance virtual router without L3VPN configuration, default MPLS table is being created unexpectedly for VR instance routing table <i>Resolved In:</i> evo:21.2R3-S7-EVO evo:22.2R3-S3-EVO evo:22.2X100-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.3R2-EVO evo:23.4R1-EVO junos:20.4R3-S9 junos:21.2R3-S7 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: MX304 Chassis specific platform
1752765	Firmware upgrade will fail, if "set system services ssh root-login deny" knob is present in configuration Product-Group=junosvae	On MX304 platforms, Firmware upgrade will fail with timeout error if "set system services ssh root-login deny" knob is present in configuration <i>Resolved In:</i> junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: MX304 line card platform software
1739718	Incomplete FPC Firmware details will be displayed Product-Group=junos	On MX304 and MX platforms with MPC11 and LC9600, the CLI command 'show system firmware' may sometimes not display all the firmware details of FPC components. This prevents the FPC firmware components from being upgraded to the latest version when the firmware upgrade is performed. <i>Resolved In:</i> evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-S1-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:22.4R3 junos:23.1R2 junos:23.2R1-S1 junos:23.2R2 junos:23.3R1 junos:23.4R1
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 <i>Resolved In:</i>

1739922	FPC crashes and remains offline after the upgrade of RE BIOS to 0.15.1 version Product-Group=junos	On MX204 and EX9251 platforms running Junos 21.4 or later, the Flexible PIC Concentrator (FPC) crashes and will remain offline after upgrading the RE (Routing Engine) BIOS to 0.15.1 version without power cycling the chassis. This will result in total traffic loss. <i>Resolved In:</i> junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: Virtual-chassis platform/chassisd infrastructure PRs for MX
1701376	Reconfiguration of a deleted VCP is not progressing as anticipated Product-Group=junos	On all MX platforms having PICs (Physical Interface Cards) that support transceiver channelization, the configuration of a deleted VCP through CLI is failing. <i>Resolved In:</i> evo:22.3X80-D38-EVO evo:22.3X80-D39-EVO junos:21.2R3-S3-J15 junos:21.2R3-S5 junos:22.2R2-S2-J6 junos:23.1R1 junos:23.1R2 junos:23.2R1
PR Number	Synopsis	Category: CFM
1733134	Configuring CFM on ae interfaces on EX series virtual chassis will lead to pcmd cores. Product-Group=junos	If the EX series switches are configured in a virtual chassis, and CFM is being configured on AE interfaces, pcmd cores will be seen. <i>Resolved In:</i> junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: QFX Control Plane VXLAN
1749759	Traffic discarded on QFX5K platforms in multi-homed EVPN-VXLAN scenario Product-Group=junos	It is observed that on Junos QFX5K platforms when multi-homed EVPN-VXLAN is configured, traffic gets discarded as ARP and NDP next-hop fails to be programmed in PFE because underlying next-hop is missing which is the shared vxlan load-balancing next-hop. <i>Resolved In:</i> junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Device Configuration Daemon
1726073	PFE table is not updated when new VLANs are added in an AE bundle when ESI is enabled Product-Group=junos	IFF Change message is not propagated to PFE when AE (Aggregated Ethernet) bundle has ESI (VPLS/EVPN) configuration. <i>Resolved In:</i> junos:20.3X75-D46 junos:21.2R2-S1-J3 junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.2R3-S1 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1

PR Number	Synopsis	Category: Firewall Filter
1749092	High CPU utilization of the mib2d process will be observed with error messages due to stale SNMP requests Product-Group=junos	On all Junos platforms, high CPU utilization, up to 100%, of the mib2d process will be observed with error messages and this may also result in a crash/core when memory gets exhausted due to a gradual increase in stale SNMP (Simple Network Management Protocol) requests. <i>Resolved In:</i> evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R2-EVO evo:23.4R1-EVO junos:19.4R3-S13 junos:20.4R3-S9 junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Dynamic rendering infrastructure
1690598	VMX :: Incorrect data encoding format is used for the parameter ISIS extended reachability TLV - max link bandwidth when passed to Influx DB server via GNMI Product-Group=junos	For leaves of data type ieee float32, the value will be encoded in bytes while being streamed to collector. The value contained in such leaves may not be completely accurate. <i>Resolved In:</i> evo:23.3R1-EVO junos:23.3R1
PR Number	Synopsis	Category: EVPN Layer-2 Forwarding
1743913	IRB reachability issues may be observed in the EVPN-VXLAN environment when looped ARP comes on ESI-LAG Product-Group=junos	On Junos and Junos OS Evolved platforms (except MX platforms) with EVPN-VXLAN (Ethernet VPN - Virtual Extensible LAN) configured, in case of traffic loop conditions, self-generated ARP packets (having physical-IRB MAC as SMAC) may come back to the same node where it originated. Such rare scenarios, when the MAC address of the IRB (Integrated Routing and Bridging) ages out and is cleared from the MAC table, also associated MAC-IP route (IRB route) might get cleaned. This may result in IRB reachability issues as the remote VTEPs (Virtual Tunnel End Point) won't have IRB information of the local VTEP and on the local VTEP, there won't be EVPN database entry and type-2 EVPN advertisements for local IRB towards the remote VTEPs. <i>Resolved In:</i> evo:22.2R3-S3-EVO evo:22.4R3-EVO evo:23.2R1-S2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.3R2-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:22.1R3-S4 junos:22.4R3 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
1758677	After MAC programming to HW fails, L2ALM not updating SVLBNH idx during HW re-sync Product-Group=junos	Two issues addressed through this PR: 1. When HW write by L2ALM to PFE fails, L2ALM will try to re-sync to HW. During re-sync to HW, SVLBNH info was not getting updated in L2ALM code and hence was not sent to PFE during re-sync attempts. Through this fix, SVLBNH info is updated in L2alm and sent to PFE/HW. 2. After re-sync to HW fails a few times, L2ALM was sending delete request to L2ALD for the control MAC. Delete request was supposed to be sent only for locally learned MACs and not for control MACs. This is fixed with this fix as well. Both above issues are Day-1 issue. Issue/Fix 1 applies specifically for QFX5K and EX platforms. Issue/Fix 2 applies for all platforms.

Resolved In: evo:21.4R3-S5-EVO evo:22.2R3-S3-EVO evo:22.4R3-EVO evo:23.2R2-EVO evo:23.3R2-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:21.4R3-S5 junos:22.4R3 junos:23.2R2 junos:23.3R2 junos:23.4R1

PR Number	Synopsis	Category: EX4400 PFE software
1760229	The fxpc process might crash and cause traffic loss when adding and deleting irb configuration. Product-Group=junos	Traffic loss might be seen when performing IRB configuration modifications. When the issue occurs, the fxpc process might crash and generate core files that could be seen by executing the CLI command "show system core-dumps". host@device> show system core-dumps -rw----- 1 root wheel 10295936 Aug 01 00:00 /var/tmp/fxpc.core.0.gz <i>Resolved In:</i> junos:22.4R3 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: EX4400 platform
1682097	Beacon led is not working on EX tvp platforms. Product-Group=junos	All beacon LEDs on the specified FPC does not turn on after a request command. <i>Resolved In:</i> junos:22.4R1
1697678	The "show chassis led" output is not working as expected for beacon LED Product-Group=junos	On all EX platforms, whenever beacon LED functionality is enabled, there is a mismatch between the physical LED status and the output of the CLI command ?show chassis led? showing incorrect port LED status for interfaces as LED up instead of off. <i>Resolved In:</i>
1729464	EX4400: While exporting telemetry data, transceiver data is also streamed when there is no transceiver in device itself. Product-Group=junos	When data is streamed through telemetry, transceiver data is also streamed, even when there is no transceiver in device itself. There is no functional impact. There is no workaround for this issue. <i>Resolved In:</i> junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R2 junos:23.4R1
1735786	Port LEDs are not working as expected when the mode is changed from default to EN Product-Group=junos	On EX4400, Show chassis LED output for EN mode does not display the physical LED status correctly- Physical LED functionality works as expected. <i>Resolved In:</i> junos:21.4R3-S5 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Express PFE including evpn, vxlan
1750468	L3VPN traffic destined for hosts learned over IRB/VXLAN will get dropped on QFX10K platforms	On QFX10K platforms in the DCI (Data Center Interconnect) scenario with EVPN-VXLAN traffic flow traversing over L3VPN, some packet drops will be observed when packets received over

Product-Group=junos

L3VPN with VPN label and destined to host learned over IRB/VXLAN tunnel.

Resolved In: junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S5
 junos:22.1R3-S4 junos:22.2R3-S2 junos:22.2R3-S3 junos:22.4R3
 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2
 junos:23.4R1

**PR
Number****Synopsis****Category: Express PFE L2 fwding Features**[1738197](#)

Blackholing of l3-inject traffic on QFX10K platforms
 Product-Group=junos

On Junos QFX10K platforms, because of any hardware (HW) or chassis management (CM) issue there will be Trinity Offload Engine (TOE) cmerrors. Some cmerrors are classified as MAJOR and the default action for these errors is cmalarm but it will halt the Packet Forwarding Engine (PFE) TOE HW. Due to which PFE is not able to forwards packets to the Application-Specific Integrated Circuit (ASIC) even though it is active and can forward packets.

Resolved In: junos:21.4R3-S5 junos:22.4R3 junos:23.2R2
 junos:23.3R1 junos:23.3R2 junos:23.4R1

**PR
Number****Synopsis****Category: ACX500/1000/2000/4000 timing software**[1755852](#)

[TWM Clocking Solution] - PTP packets are not processed over GE interfaces of ACX2200 with latest respin image 21.2R3-S6.10
 Product-Group=junos

Due to software issue with initialization sequence, the PTP encapsulation does not get applied with PTP configuration on ge interfaces. Because of this, PTP feature is impacted on ge interfaces.

Resolved In: junos:21.2R3-S7

**PR
Number****Synopsis****Category: ISIS routing protocol**[1738222](#)

RPD crashes when multiple ISIS processes are configured
 Product-Group=junos

On all Junos and Junos Evolved platforms, RPD crash files are seen during the GRES (graceful restart) event as GRES functionality is not supported in protocol isis-instance <>.

Resolved In: evo:23.2R1-S2-EVO evo:23.2R2-EVO evo:23.3R2-EVO
 evo:23.4R1-EVO junos:22.2R3-S2-J2 junos:22.4R3
 junos:23.2R2 junos:23.3R2 junos:23.4R1

[1752551](#)

Traffic drop is seen if chained-composite-next-hop is turned on for Segment Routing
 Product-Group=junos

On all Junos and Junos Evolved platforms, Traffic drop is seen if chained-composite-next-hop is turned on for Segement Routing ISIS because backup path is programmed as a POP in Composite-next-hop (CNH) and Push in Forwarding-next-hop (FNH).

Resolved In: evo:22.1R3-S4-EVO evo:22.4R3-EVO evo:23.1R2-EVO
 evo:23.2R2-EVO evo:23.3R1-EVO evo:23.3R2-EVO
 evo:23.4R1-EVO junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S1-J5
 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3
 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2
 junos:23.4R1

1753003	The rpd crashes on all Junos and Junos Evolved platforms with IS-IS, segment routing and flex algo configured Product-Group=junos	On all Junos and Junos Evolved platforms, with IS-IS, segment routing and flex algorithm enabled, when the route from ribgroup is deleted due to interface flap, it leads to crash of the infra module as route entry table does not match with the rtbit table (which is passed from IS-IS). <i>Resolved In:</i> evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.3R2-EVO evo:23.4R1-EVO junos:21.2R3-J12 junos:21.2R3-S5-J16 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Addresses 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. <i>Resolved In:</i> 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. <i>Resolved In:</i> junos:21.2R3-S6 junos:21.3R3-S5 junos:21.4R3-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: User Firewall related issues
1755593	Users authenticated via captive portal experience a noticeable delay of atleast 2-5 mins Product-Group=junos	User-firewall configuration in policy with push-to-identity enabled may cause delay in web-authenticating the users. <i>Resolved In:</i> junos:21.2R3-S7 junos:22.1R3-S4 junos:22.4R3 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Security platform jweb support
1698386	Junos OS: J-Web: Multiple Vulnerabilities in PHP software Product-Group=junos	PHP software included with Junos OS J-Web has been updated from 7.4.30 to 8.2.0 to resolve multiple vulnerabilities. Please refer to https://supportportal.juniper.net/JSA71653 for more information. <i>Resolved In:</i> evo:23.2R1-EVO evo:23.3R1-EVO junos:23.2R1 junos:23.3R1
1735389	Junos OS: SRX Series: A vulnerability in J-Web allows an unauthenticated attacker to upload arbitrary files (CVE-2023-36846) Product-Group=junos	A Missing Authentication for Critical Function vulnerability in Juniper Networks Junos OS on SRX Series allows an unauthenticated, network-based attacker to cause limited impact to the file system integrity. With a specific request that

doesn't require authentication an attacker is able to upload arbitrary files via J-Web, leading to a loss of integrity for a certain part of the file system, which may allow chaining to other vulnerabilities. For more information see <https://kb.juniper.net/JSA72300>

Resolved In: junos:19.1R3-S11 junos:19.2R3-S8 junos:19.3R3-S8 junos:19.4R3-S13 junos:20.2R3-S8 junos:20.4R3-S8 junos:21.2R3-S6 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S3 junos:22.1R3-S4 junos:22.2R3-S2 junos:22.3R2-S2 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: Layer2 forwarding on EX/NTF/PTX/QFX
1724489	"show mac-vrf flood vlan-name" is changed to "show mac-vrf flood bridge-domain" Product-Group=junos	"show mac-vrf flood vlan-name" is changed to "show mac-vrf flood bridge-domain" <i>Resolved In:</i> evo:23.2R2-EVO evo:23.3R2-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:20.4R3-S9 junos:21.2R3-S7 junos:22.4R3 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Label Distribution Protocol
1687834	After disable/enable MPLS, targeted LDP session is not getting established Product-Group=junos	In MPLS (Multi Protocol Label Switching) environment, for an established LDP (Label Distribution Protocol) over an RSVP (Resource Reservation Protocol) targeted session, when 'set protocols mpls disable' is configured and then removed, the targeted LDP session does not get re-established. <i>Resolved In:</i> evo:22.4R3-EVO evo:23.1R1-EVO junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R1
PR Number	Synopsis	Category: authd (AAA) library code
1725143	The show command reports APM not connected when in fact it is connected. Product-Group=junos	When the APM server does not send a system-id, the output of the 'show network-access address-assignment address-pool-manager status' command reports APM not connected. We changed the output for the command to clarify the APM status. <i>Resolved In:</i> evo:23.2R2-EVO evo:23.3R1-EVO junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Multiprotocol Label Switching
1705964	Member LSPs of a container LSP will be torn down unexpectedly Product-Group=junos	On all Junos and Junos Evolved platforms, in a rare sequence of events, member LSPs will be unexpectedly torn down with no change in traffic rate. The issue happens when normalization is triggered in shorter intervals when Patherr failure/auto bandwidth adjustment fails on member LSPs and enough valid samples are not received before normalization could occur

during failover. Traffic drop will be seen if the new set of LSPs after the deletion is not able to accommodate a larger required bandwidth.

Resolved In: evo:21.4R3-S5-EVO evo:22.1R3-S4-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1

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	On Junos MX platforms, the PTP Playback Engine reset error is reported sporadically with PTP FPGA Firmware version A4 7. It has No functionality impact. <i>Resolved In:</i> 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:22.2R3-S2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	Synopsis	Category: MX104 Software - Chassis Daemon
1747532	The PFE crash will be observed when configuring the 'per-unit-scheduler' on the MACSEC MIC interface Product-Group=junos	On MX platform with MACSEC MIC, the 'per-unit-scheduler' configuration on the MACSEC MIC interface results in the PFE crash leading to traffic impact. <i>Resolved In:</i> junos:20.4R3-S9 junos:21.2R3-S7
PR Number	Synopsis	Category: MX10K platform
1751785	FPC reboots observed during ISSU on MX10008/MX10016 resulting in ISSU being unsuccessful Product-Group=junos	Unified in-service software upgrade (ISSU) on MX10008/MX10016 containing LC480 cards might fail and result in the FPCs to reboot causing traffic interruption and potential service impact. ISSU error would also be reported during this time and lead the reboot of the FPCs. <i>Resolved In:</i> junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R1-S1 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: JUNOS Network App Infrastructure (for ping, traceroute, etc)
1746779	show system connections show-routing-instances; reports all routing-instances as unknown. Product-Group=junos	show system connections show-routing-instances; reports all routing-instances as unknown. <i>Resolved In:</i> junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: PFE Peer Infra
1747077	Error message: 'Minor potential slow peers	On all Junos platforms with dual RE, error message: 'Minor

are: X' seen on Junos based platforms
Product-Group=junos

potential slow peers are: X' will be seen. Due to some reason the PFE/PIC will be slow and services will face latency issue. the peerbuf list gets full, peer proxy could not enqueue further IPCs (ifstate chain/peer update to backup gets stalled) causing pfe/pics to be a slow consumer, this impacts service on the device.

Resolved In:

PR Number	Synopsis	Category: OSPF routing protocol
1704521	On all Junos and Junos OS Evolved platforms, the TI-LFA and Legacy LFA are mutually exclusive, and the commit check will fail and blocks LFA on one instance Product-Group=junos	On all Junos and Junos OS Evolved platforms, if configuring LFA (Loop-Free Alternate)/RLFA (Remote LFA)/PPLFA (Per-prefix LFA) in the routing-instance and TI-LFA (topology independent LFA) in the master instance, along with Segment Routing and node-link-protection with post-convergence, the commit check fails and blocks LFA on one instance. <i>Resolved In:</i> evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:21.4R2-S1-J4 junos:22.3R2-S2 junos:22.3R3 junos:22.4R2-S2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	Synopsis	Category: Express Chip L3 software
1740190	Page allocation and next-hop installation failures on Junos PTX and QFX Product-Group=junos	On certain PTX and QFX platforms, when unicast/multicast and Point-to-multipoint communication (P2MP) next-hops are present at a high scale, which leads to page allocation failures to f-label page allocation and next-hop installation failures, eventually leading to traffic loss. <i>Resolved In:</i> junos:19.2X3-J1 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:22.4R3-S1 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: QFX L2 PFE
1759875	Generate an empty file whose name is secondary_vlan when executing RSI. Product-Group=junos	After executing "request support infomation save " command, unexpected file will be generated. <i>Resolved In:</i> junos:23.2R2
1763116	Tokens missing in LBNH leading to VPLAG mis-programming in PFE on QFX5K and EX platforms Product-Group=junos	VPLAG mis-programming due to IPC out-of-order. LBNH install is received before VENH install with valid VTEP token. <i>Resolved In:</i> junos:21.4R3-S5 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: QFX L3 data-plane/forwarding
1742763	Traffic drop will be observed after	On Junos

extended-vni-list configuration change with
EVPN-VXLAN scenario
Product-Group=junos

QFX5100/QFX5110/QFX5120/QFX5200/QFX5210/EX4100/EX4300-
MP/EX4400-XX platforms having Ethernet VPN-Virtual Extensible
LAN (EVPN-VXLAN) configured if extended-vni-list configuration
is deleted, the network interface is flapped and when extended-
vni-list is added back due to this traffic using the Flood NH
(BUM) on the device will be lost.

Resolved In: junos:20.4R3-S9 junos:21.2R3-S7 junos:21.3R3-S5
junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2
junos:23.2R2 junos:23.3R1 junos:23.4R1

PR Number	Synopsis	Category: QFX EVPN / VxLAN
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. <i>Resolved In:</i> junos:20.4R3-S9 junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S4 junos:22.1R3-S3 junos:22.2R3-S1 junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1
1721297	FPC crash on QFX5120-48Y Product-Group=junos	If we observe any slowness in accessing the VTY and could see any hogging/scheduler slip messages in syslog. It is advised to run the debug commands manually, instead of running it via RSI. <i>Resolved In:</i> junos:22.4R3 junos:23.1R2 junos:23.2R1-S1 junos:23.2R2 junos:23.3R1 junos:23.4R1
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. <i>Resolved In:</i> junos:20.2R3-S7 junos:20.2R3-S8 junos:20.4R3-S6 junos:20.4R3-S7 junos:21.2R3-S3 junos:21.4R3-S3 junos:21.4R3-S4 junos:22.2R3-S1
PR Number	Synopsis	Category: QFX5100 Virtual Chassis
1718062	VCP ports on 10G not coming up after reboot Product-Group=junos	In a VC of QFX5100-24Q with an expansion module EX4600-EM-8F, if VC is formed on 10G ports then after the reboot of VC, the 10G connections will be lost and the line card will show as not present. This will impact traffic on the 10G ports after connection is lost. <i>Resolved In:</i> junos:21.2R3-S6 junos:21.3R3-S5 junos:21.4R3-S5
1729067	Traffic loss will be observed due to CRC errors with QSFP+-40G-ACU10M plugged	On QFX5K platforms with QSFP+-40G-ACU10M and Virtual Chassis configured, traffic loss will be observed due to CRC (Cyclic

Product-Group=junos

redundancy check) errors.

Resolved In: junos:19.4R3-S13 junos:20.4R3-S9 junos:21.2R3-S7
junos:21.3R3-S5 junos:23.3R2 junos:23.4R1

PR Number	Synopsis	Category: RPD route tables, resolver, routing instances, static routes
1746439	Route-distinguisher change leads to the route being present in rpd, but not installed in kernel/PFE Product-Group=junos	<p>On On Junos and Junos Evolved platforms, traffic impact will be observed when route-distinguisher change is performed for which route will be present in rpd, but not installed in kernel/PFE. This issue happens when the aggregate route is configured.</p> <p><i>Resolved In:</i> evo:21.3R3-S5-EVO evo:22.1R3-S4-EVO evo:22.2R3-S3-EVO evo:22.2X100-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.3R2-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:20.4R3-S9 junos:21.2R3-S7 junos:21.3R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1</p>
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	<p>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.</p> <p><i>Resolved In:</i> junos:20.3X75-D46 junos:20.4R3-S9 junos:21.2R3-S7 junos:21.4R1-S2-J1 junos:21.4R3-S4 junos:22.2R3-J5 junos:22.2R3-S2 junos:22.3R2-S2 junos:22.3R3 junos:22.4R1-S2-J1 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1</p>
PR Number	Synopsis	Category: SFW, CGNAT on MS-MIC/MS-MPC (XLP)
1713725	IPv6 Fragmentation is not working on MS-MPC/MS-MIC in DS-Lite scenario Product-Group=junos	<p>On all Junos MX platforms with MS-MPC/MS-MIC cards in DS-Lite(Dual-stack Lite) scenario , Address Family Transition Router (AFTR) always failed to fragment newly generated IPV6 packet that has packet size larger than mtu-v6 value. packet will be dropped and will not reach to the softwire initiator (B4)</p> <p><i>Resolved In:</i> junos:20.4R3-S7 junos:21.2R3-S5 junos:21.3R3-S4 junos:21.4R3-S5 junos:22.1R3-S2 junos:22.2R3-S1 junos:22.3R2-S1 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1</p>
PR Number	Synopsis	Category: Bug and Review Tracking for Segment routing traffic eng
1737119	The traffic blackhole will be observed when the SRTE shortcut is configured Product-Group=junos	<p>On Junos platforms, when the MPLS (Multiprotocol Label Switching) packet reaches the destination router, it will have a label that is unknown to the destination router due to a label POP operation miss at the ingress router resulting in the traffic black hole in the scenario SR-MPLS (Segment Routing With</p>

Multiprotocol Label Switching) + traffic engineering shortcut is configured.

Resolved In: evo:21.3R3-S5-EVO evo:21.4R3-S5-EVO evo:22.1R3-S4-EVO evo:22.4R2-S2-EVO evo:22.4R3-EVO evo:23.2R1-S2-EVO evo:23.2R2-EVO evo:23.3R2-EVO evo:23.4R1-EVO junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S1-J5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R2-S2 junos:22.4R3 junos:23.2R2 junos:23.3R2 junos:23.4R1

PR Number	Synopsis	Category: SRX branch platforms
1714620	High latency will be observed while pinging to peer device Product-Group=junos	On Branch SRX Platforms, The delay will be observed while pinging to peer device due to high latency when VLAN(Virtual Local Area Network) tagged DHCP(Dynamic Host Configuration Protocol) packets arrive at IRB (Integrated Routing and Bridging) interface. <i>Resolved In:</i> junos:21.2R3-S7 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: MX10002 Platform SW - Platform s/w defects
1727985	A panic reboot will be observed due to deadlock on VMhost platforms Product-Group=junosvae	On Junos based VMhost platforms due to disk access issue a panic reboot will be observed with core files. This is a rare issue and traffic will be impacted as the system reboots unexpectedly. <i>Resolved In:</i> junos:21.4R3-S5 junos:22.1R3-S4 junos:23.4R1
PR Number	Synopsis	Category: SRX-3RU platfom SW defects
1703220	Secondary node goes into disabled state after failover due to control link going down in a cluster Product-Group=junos	On certain SRX series platforms in a chassis cluster environment, redundancy group failover during RE CPU busy can cause jsrpd process slip and the cluster control link to go down. If the control link goes down for more than 3 seconds(default) or the configured heartbeat loss, the secondary node will move to ineligible and then disabled. <i>Resolved In:</i> junos:22.2R3-S2 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: ZT/YT pfe firewall software
1718893	There are some BGP peers that remain down due to a firewall filter attached to the interface lo0 Product-Group=junos	On specific line cards and devices, fast-lookup-filter is not working on the router's loopback interface. Some BGP peers remain down with a firewall filter attached to the lo0 interface. <i>Resolved In:</i> junos:20.3X75-D46 junos:22.4R3

1736965	AR:Firewall: PFE wedged , while switching from SW-SEG-FLT -> FLT -> SW-SEG-FLT filter Product-Group=junos	Filters marked with fast-lookup-filter knob terms shall not be added more than 256 terms in the existing filter with less than 256 terms. Instead, create a new filter if required more than 256 terms in the same filter and replace the filter in the same commit. <i>Resolved In:</i> evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R2-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:20.3X75-D46 junos:22.4R3 junos:23.1R2 junos:23.2R1-S1 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: ZT/YT pfe l3 forwarding issues
1708283	Cosmetic logs may appear on MX platforms during ISSU Product-Group=junos	On MX platforms during ISSU (In-Service-Software-Upgrade) logs like the following may be seen: "marrow fpcx issu_stats_save: Failed to create counters for Tag = 23, Key = IFL_FC_CNTR_STATS:(345, 16) xe-x/x/x.xxx, status = invalid argument?. These logs do not have any service impact. <i>Resolved In:</i> evo:23.2R1-EVO junos:23.2R1
PR Number	Synopsis	Category: Issues related to broadband edge apps (PPP, DHCP) on Trio ch
1747009	Traffic from subscribers will be dropped by Junos based MX platforms Product-Group=junos	On Junos based MX platforms in enhanced subscriber management scenario, with 'routing-services' and 'rpf-check' feature enabled all traffic from subscribers will be dropped. <i>Resolved In:</i> junos:22.1R3-S4 junos:22.4R3 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Trio pfe stateless firewall software
1737615	MPC line card reboots when subscriber management services are configured Product-Group=junos	When Junos MX platforms with Modular Port Concentrators from MPC1 to MPC9E, are configured with subscriber management services with interface name that exceeds 20 characters, it leads to line card reboot causing service impact. <i>Resolved In:</i> evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R2-EVO evo:23.4R1-EVO junos:19.4R3-S13 junos:20.4R3-S9 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: Trio pfe bridging, learning, stp, oam, irb software
1736667	Intermittent flooding of traffic every 40 sec Product-Group=junos	On MX/EX92K Junos platforms with line cards running MPC families up to MPC9, Layer2 unicast traffic flow sent on FPC where Pseudowire Subscriber Interfaces (PS interface) is not anchored and the packet contains DMAC as one of the MACs learned behind that PS IFL. Packets with DMAC as that of the Mac learned behind PS IFL is getting flooded from the FPCs where PS IFL is not anchored every 40sec. The impact is that every 40sec traffic sent towards a known MAC will be flooded as

this destination MAC was unknown. This traffic shouldn't be flooded arriving at incorrect destinations.

Resolved In: evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R1-J1 junos:23.1R2 junos:23.2R1-S1 junos:23.2R2 junos:23.3R1 junos:23.4R1

PR Number	Synopsis	Category: XMCHIP Related SW Issues
1724841	Memory initialization and scrub operation using PFE's fails Product-Group=junos	On MPC5/6/7/8/9 line cards, the memory initialization/scrub operation using PFE's (Packet Forwarding Engine) may fail in very rarely scenario. If memory scrub at line card initialization fails we may see initialization errors and a large number of PFE traps. Partial to full service impact depending on which event failed. <i>Resolved In:</i> evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R2 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: Antivirus UTM issue
1725938	Outlook notification channel connection is not established Product-Group=junos	On all Junos SRX platforms, When the http traffic is chunked then Outlook notification channel connection is not established due to which, the mail notifications were not received on the browser. <i>Resolved In:</i> junos:22.2R3-S2 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: MX10004 Chassis Category
1695786	MX10004 Observing chassisd core @ fpc_remove_chasd_db (fpc=0x7221000) after pfe disable and fpc recovery phase Product-Group=junos	Observing chassisd core @ fpc_remove_chasd_db (fpc=0x7221000) at after pfe disable and fpc recovery phase. Introduced by PR-1685433. <i>Resolved In:</i>
PR Number	Synopsis	Category: VMHOST platforms software
1726621	Root user is unable to login using public key authentication after reboot or upgrade Product-Group=junos	On all EX92XX series platforms with NG-RE running Junos OS 21.4R1 or higher releases, the root user is unable to login using public key authentication (RSA Keys) after reboot or upgrade and prompts for a password even when password less authentication is configured. <i>Resolved In:</i> junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1

PR
Number

Synopsis

Category: usf url filtering related issue

[1751860](#)

Service PIC enabled with url-filtering may crash and gets into booting loop
Product-Group=junos

On MX platforms, with service cards running url-filtering plug-in, when the domain-names are resolved with more than 10 IPv6 or IPv4 addresses, may results in service PIC crash.

Resolved In: evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R2-EVO
evo:23.4R1-EVO junos:21.2R2-J2 junos:21.2R3-S6 junos:21.3R3-S5
junos:21.4R3-S5 junos:22.1R3-S4 junos:22.4R3 junos:23.1R2
junos:23.2R2 junos:23.3R1 junos:23.3R2 junos:23.4R1