

## 22.2R3-S3-EVO: Software Release Notification for JUNOS Software Version 22.2R3-S3-EVO

### Alert Description

Junos Software Service Release version 22.2R3-S3-EVO 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 22.2R3-S3-EVO is now available.

### 22.2R3-S3-EVO - List of Fixed issues

PR Number	Synopsis	Category: OAM support on ACX
<a href="#">1746304</a>	Node-segment reachability will be lost in Multitopology based IS-IS Product-Group=evo	On all Junos and Junos OS Evolved platforms, in a Segment Routing MPLS(Multi Protocol Label Switching) environment using IS-IS and an alternate IPv6 unicast topology is configured in addition to the normal IPv4 unicast topology, the node-segment reachability might be lost resulting in traffic loss. This will only happen when the 'family inet6' is configured on the interface without configuring the IPv6 address.
PR Number	Synopsis	Category: ACX L3 IPv4, IPv6 support
<a href="#">1751135</a>	ARP and ND packets are not getting resolved in vlan-based EVPN service on Junos OS Evolved ACX platforms Product-Group=evo	On Junos OS Evolved ACX platforms configured with EVPN-MPLS (Ethernet VPN-Multiprotocol Label Switching) vlan-based EVPN service or EVPN-VXLAN(Ethernet VPN-Virtual Extensible LAN), device is responding to ARP/ND (Address Resolution Protocol/Neighbor Discovery) without any vlan-id tag. Due to this, the ARP/ND response packet will get dropped in LAN network and the local host will not be able to resolve the ARP.
PR Number	Synopsis	Category: AFT I2lam
<a href="#">1736291</a>	Traffic flooding when the hardware MAC table not being synchronized with the software MAC table in the ESI environment Product-Group=evo	On Junos Evolved QFX5130-32D platform, traffic flooding will be observed due to updates not being performed for the flags in the hardware MAC table resulting in hardware states not being synchronized with software states. This issue is observed when the MAC learned on one ESI

(Ethernet Segment Identifier) peer moves to the other peer.

PR Number	Synopsis	Category: EVO interface software
<a href="#">1716518</a>	Interface on PTX1001-36MR router remains down with QSFP-100GBASE-SR4 optics Product-Group=evo	On Junos Evolved PTX10001-36MR platform, when the third party QSFP-100GBASE-SR4 is being used, rewriting the value of rx-out-amplitude (receiver side signal integrity parameter) with default value(0X3), causes the link to remain down.
PR Number	Synopsis	Category: Border Gateway Protocol
<a href="#">1448092</a>	unexpected delay while running "show route advertising-protocol bgp" for an unconfigured peer in scaled vrf Product-Group=evo	When we have a large route volume to iterate/display, the show route advertising-protocol bgp takes more time to return for an unconfigured peer.
<a href="#">1687887</a>	More than expected traffic loss is seen with ECMP FRR enabled during link down scenario Product-Group=evo	On all Junos and Junos Evolved platforms, in a link down/BFD down event, traffic loss is seen to occur more than expected with ECMP fast reroute (FRR) or BGP Prefix-Independent Convergence (PIC) configured.
<a href="#">1689904</a>	BGP LU Advertisements fail with the message "BGP label allocation failure: Need a gateway" Product-Group=evo	On all Junos and Junos Evolved platforms BGP-LU (Border Gateway Protocol Labeled-Unicast) Advertisements fail with the message "BGP label allocation failure: Need a gateway" based on timing conditions involving route resolution and installation.
<a href="#">1696870</a>	BGP scheduler slips during sub-optimal prefix-walk while deleting selected prefixes from a large set. Product-Group=evo	On all Junos and Junos Evolved platforms, you might see the BGP scheduler slip while deleting a large set of prefixes.
<a href="#">1709837</a>	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=evo	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 <a href="https://supportportal.juniper.net/JSA72510">https://supportportal.juniper.net/JSA72510</a> for more information.
<a href="#">1716946</a>	BGP connection doesn't establish when it is configured with rfc8950-compliant under logical-systems on all Junos and Junos OS Evolved platforms Product-Group=evo	BGP (Border Gateway Protocol) session/connection is not getting up and keeps flapping when rfc8950-compliant and extended-nexthop are configured with BGP under logical-systems on all Junos and Junos OS Evolved platforms.
<a href="#">1729733</a>	BMP leads to prolonged high rpd CPU utilization upon committing the BGP peer import policy configuration Product-Group=evo	On all Junos and Junos Evolved platforms, with BGP Monitoring Protocol (BMP) configured when a Border Gateway Protocol (BGP) peer import policy configuration change is committed that triggers the BGP reconfiguration job for routes re-evaluation, then high Routing Protocol Daemon (rpd) CPU utilization up to 100% will be observed for a long time which may impact routing as high rpd utilization can starve some processes.
<a href="#">1731803</a>	Junos OS and Junos OS Evolved: The rpd will crash upon receiving a malformed BGP UPDATE message (CVE-2023-44204)	An Improper Check or Handling of Exceptional Conditions vulnerability in Routing Protocol Daemon (rpd) Juniper Networks Junos OS and Junos OS Evolved allows an

	Product-Group=evo	unauthenticated, network-based attacker to cause a Denial of Service (DoS). Please refer to <a href="https://supportportal.juniper.net/JSA73170">https://supportportal.juniper.net/JSA73170</a> for more information.
<a href="#">1732087</a>	The rpd process will crash in a scaled BGP setup with traceoptions configured Product-Group=evo	On all Junos and Junos Evolved platforms in a scaled Border Gateway Protocol (BGP) setup with different Hold timers and BGP trace options enabled, the rpd process will crash when multiple BGP sessions are enabled/disabled.
<a href="#">1737679</a>	The rpd crash files are seen due to a use-after free of objects Product-Group=evo	On all Junos and Junos Evolved platforms, due to a use-after free of objects that are being shared across threads for tracing that happened when some assumptions were broken in a recent fix. The crash files generated in rare conditions when the object is freed prior to when the trace is cut.
<a href="#">1742287</a>	Junos OS and Junos OS Evolved: BGP session flaps on NSR-enabled devices can cause rpd crash (CVE-2024-21585) Product-Group=evo	An Improper Handling of Exceptional Conditions vulnerability in BGP session processing of Juniper Networks Junos OS and Junos OS Evolved allows an unauthenticated network-based attacker, using specific timing outside the attacker's control, to flap BGP sessions and cause the routing protocol daemon (rpd) process to crash and restart, leading to a Denial of Service (DoS) condition. Please refer to <a href="https://supportportal.juniper.net/JSA75723">https://supportportal.juniper.net/JSA75723</a> for more information.
<a href="#">1742416</a>	RPD scheduler slip is observed when the BGP session flaps and subsequent configuration changes for the same peer Product-Group=evo	On all Junos and Junos Evolved platforms, high CPU (RPD scheduler slips) leads to session timeouts/flaps for other protocols running in the system.
<a href="#">1742513</a>	Configuring BGP in routing-instance of type virtual-router resulting in PFE utilizing more memory resources Product-Group=evo	On all Junos and Junos OS Evolved platforms, when Border Gateway Protocol (BGP) is configured in a routing instance virtual router without Layer 3 Virtual Private Network (L3VPN) configuration, the default Multiprotocol label switching (MPLS) table is created unexpectedly for the virtual router instance routing table. There is no functional impact due to this issue apart from extra memory resources being consumed by the Packet Forwarding Engine (PFE).
<a href="#">1754935</a>	BGP multipath route is not correctly applied after changing the IGP metric Product-Group=evo	On all Junos and Junos Evolved platforms, multipath route is not correctly applied due to this Equal-cost multi-path (ECMP) will not be formed, when Border Gateway Protocol (BGP) multipath is configured and the Interior Gateway Protocol (IGP) metric of a network is modified and subsequently reverted.
<a href="#">1760885</a>	The BGP LU labels can have next-hops pointing to each other in multi-homed PE setup Product-Group=evo	On all Junos and Junos Evolved platforms the routes received by two multi-homed PE (Provider Edge) routers in the 'inet-unicast' family are advertised in the BGP (Border Gateway Protocol) LU (Labeled Unicast) family to each other. This issue happens when there is no rib.inet3 configured under the address family labeled unicast which causes the routes from 'inet-unicast' and 'inet-labeled-

unicast ' tables to get mixed. There will be a traffic impact when this issue is encountered.

<a href="#">1775548</a>	The rpd crash can be seen with a scaled BGP sharding setup Product-Group=evo	On all Junos and Junos OS Evolved platforms the rpd (Routing Protocol Daemon) crash can be seen in scaled setup. The issue will be seen in the BGP (Border Gateway Protocol) RIB (Routing Information Base) sharding scenario. This issue is very unlikely to be encountered.
<a href="#">1779533</a>	The RPD crash is observed on Junos and Junos Evolved platforms in Route Reflector scenario Product-Group=evo	On all Junos and Junos Evolved platforms, the RPD (Routing Protocol Daemon) crash can be seen in BGP-multipath scenario if it has more than 512 routes for a prefix. The RPD crash will cause a traffic drop but the system will self-recover.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Track PRs in BGP programmability area using JET APIs.</b>
<a href="#">1699356</a>	The rpd core will be seen when the route monitor stream times out Product-Group=evo	On all Junos and Junos Evolved platforms supporting prpd (programmable routing protocol process), when the route monitor stream times out because of any reason, rpd (routing protocol daemon) core will be seen.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: BGP Openconfig and Sensor</b>
<a href="#">1714087</a>	Traffic loss is seen on telemetry streaming in BGP sharding environment Product-Group=evo	On all Junos and Junos Evolved platforms RPD core is seen on telemetry streaming with BGP sharding enabled.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: BBE Remote Access Server</b>
<a href="#">1759048</a>	Test aaa command may failure due to "Subscriber creation failed" Product-Group=evo	Start from Junos 22.2R1 with flex license enabled releases, test aaa command may failure due to "Subscriber creation failed".
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Used to track Firewall Filter related PRs in EVO for BCM XGS</b>
<a href="#">1706173</a>	PTP packets not being forwarded results in the PTP synchronization issue Product-Group=evo	On Junos OS Evolved QFX5220 platforms, PTP (Precision Time Protocol) packets are not forwarded appropriately, hence device does not phase align with PTP GM (GrandMaster) resulting in the PTP synchronization issue.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: EVO Layer-2 switching for BCM XGS Platforms</b>
<a href="#">1741712</a>	Traffic loss would be seen for host generated traffic from QFX5130 and QFX5700 platforms Product-Group=evo	On QFX5130 and QFX5700 platforms on LAG(Link Aggregation Group) interfaces with flexible-vlan-tagging enabled and extended-vlan-bridge and native-vlan-id configuration, traffic towards host would be sent out untagged to both native VLAN and non-native VLAN.
<a href="#">1784726</a>	VSTP is not converging & causing a loop when IRB interfaces are configured on a VSTP enabled VLAN Product-Group=evo	On Junos OS Evolved platforms, VSTP (VLAN Spanning Tree Protocol) is not converging & causing a loop when IRB (Integrated Routing and Bridging) interfaces are configured on a VSTP enabled VLAN. The issue happens for

		the input ifl index value with the L2 ifl index being overwritten by the IRB ifl index.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: EVO L3 routing for BCM XGS Platforms</b>
<a href="#">1715871</a>	Traffic gets dropped on Junos Evolved QFX platforms when app routing is restarted Product-Group=evo	On Junos Evolved QFX platforms, when the app (application) routing is restarted from the CLI and having L3VPN (Layer 3 Virtual Private Network) over MPLS (Multiprotocol Label Switching) configured, traffic is observed to get dropped.
<a href="#">1771209</a>	PFE crash seen on Junos OS Evolved platforms due to upstream interface change Product-Group=evo	On all Junos OS Evolved platforms, PFE (Packet Forwarding Engine) process crashes when the upstream interface for a multicast route changes from L3 (Layer 3) interface to another L3 interface or from L3 to an IRB (Integrated Routing and Bridging) interface. This can happen when the RPF (Reverse Path Forwarding) to the source changed due to an interface going down in the upstream path. A complete loss of traffic is observed till the PFE process restarts post the crash.
<a href="#">1771661</a>	Traffic drop will be seen when the IRB interface is without explicit MTU configuration Product-Group=evo	On QFX5220-32CD, QFX5220-128C & QFX5230 platforms, when the IRB (Integrated Routing and Bridging) interface is without explicit MTU (Maximum Transmission Unit) configuration and the underlying L2 interface has MTU greater than 1518, there will be a complete traffic drop.
<a href="#">1788988</a>	QFX-EVO: IPv6 traffic forwarding failure with prefix /56 Product-Group=evo	On QFX series switch working on EVO, IPv6 traffic forwarding failure might be seen with route prefix /56.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: PFE COS features on BT based platforms</b>
<a href="#">1732461</a>	Traffic drop under strict-priority queue before low priority queue Product-Group=evo	On Junos OS Evolved PTX10001-36MR, PTX10004, PTX10008, and PTX10016 platforms, when a strict-high priority queue without transmit-rate is configured on a 10Gig port, it will experience a packet drop before the low priority queue.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: PFE L2 forwarding features on BT based platforms</b>
<a href="#">1745528</a>	Untagged control traffic on L3 interface will be dropped on Junos OS Evolved based PTX platforms Product-Group=evo	On all Junos OS Evolved based PTX platforms with physical interface/LAG (Link Aggregation Group) interface in L3 mode, the untagged control traffic on L3 interface gets dropped if lport value of L3 interface matches with lport value of L2 aggregated ethernet (AE) interface in trunk mode.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Express BT PFE L3 Features</b>
<a href="#">1705997</a>	Junos OS Evolved: PTX10003 Series: Packets which are not destined to the router can reach the RE (CVE-2023-44196) Product-Group=evo	An Improper Check for Unusual or Exceptional Conditions in the Packet Forwarding Engine (pfe) of Juniper Networks Junos OS Evolved on PTX10003 Series allows an unauthenticated adjacent attacker to cause an impact to

the integrity of the system. Please refer to <https://supportportal.juniper.net/JSA73162> for more information.

<a href="#">1756452</a>	FPC unreachable due to running out of Guid space Product-Group=evo	FPC unreachable due to running out of Guid space and any stats pooling makes Guid space run out faster.
<a href="#">1759664</a>	Traffic loss is observed in a scaled scenario of node-link-protected LSP Product-Group=evo	On PTX10001-36MR and PTX10008 platforms, traffic loss is observed when exceeding the scale of more than 48K transit node-link-protection LSP (Label switched paths) and will generate PFE error messages.
<a href="#">1769545</a>	L2TPV3 load-balancing not working properly and create out of order packet flow. Product-Group=evo	L2TP (Layer 2 tunneling Protocol) session ID is used for load balancing hash-key. 8 Bytes got extracted while the Session ID is 4 Byte. The other 4 bytes are from the cookie part and if this portion is random the L2TP packet flow will be balanced instead of using a single link and may cause out of order packet flow
<a href="#">1770859</a>	MPLS traffic flow might not be as expected after PFE restart Product-Group=evo	On specific platforms, PTX10001-36MR and PTX10004/PTX10008/PTX10016 with LC1201/LC1202, once PFE gets restarted with "request chassis fpc slot pfe-instance restart" via cli command or automatically with the cmerror configuration, mpls transit traffic will not be forwarded since mpls labels are not re-installed into PFE.

PR Number	Synopsis	Category: ACX VxLAN Issue
<a href="#">1720541</a>	ACX7100-32C EVO: Router Does not reply to RS message with VXLAN. Product-Group=evo	ACX7100-32C EVO: Router Does not reply to RS message with VXLAN

PR Number	Synopsis	Category: EVO ARP related PRs
<a href="#">1708712</a>	VRRPv3 node sends a neighbor advertisement with the wrong virtual MAC Product-Group=evo	On all Junos Evolved platforms, when a client sends a neighbor solicitation, the VRRPv3(Virtual Router Redundancy Protocol) node replies with neighbor advertisement and virtual MAC of the wrong interface. There can be some traffic drop because of incorrect virtual MAC entry.

PR Number	Synopsis	Category: EVO Class of Services
<a href="#">1766873</a>	Duplicate code points through code-point-aliases under a classifier results in cosd crash Product-Group=evo	On all Junos Evolved platforms, the class-of-service (COS) commit validation is missing for classifier when using code-point-aliases. Configuring duplicate code-point-aliases and using them in a classifier will result in the cosd crash. The system can be recovered by correcting the config and applying the "restart class-of-service" command.

PR Number	Synopsis	Category: EVO Netstack icmpd
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[1740548](#) Running certain events with traffic running in the background causes icmpd crash  
Product-Group=evo

Running certain events with traffic running in the background causes icmpd crash.

PR Number	Synopsis	Category: Issues related to EVO interface statistics.
<a href="#">1748236</a>	Child interfaces deleted from AE interfaces are still shown as part of AE Product-Group=evo	On all Junos OS Evolved platforms, child interfaces deleted from AE (Aggregated Ethernet) interfaces are still shown as part of AE. This is a display issue and seen only when interface statistics for the AE interface is cleared within a few seconds of deactivating/deleting the child members. There is no impact on traffic.
<a href="#">1773428</a>	The "show interfaces extensive   no-more" command is taking a longer time to display the output Product-Group=evo	On all Junos Evolved platforms, when the "show interfaces extensive   no-more" command is executed it takes 6-8 seconds to display the complete output though there is less configuration or no configuration.
PR Number	Synopsis	Category: Issues related to EVO dependency layer including object graphs, incompletes, anomalies and nkdb
<a href="#">1722270</a>	Occasional FPC crash and traffic loss is observed with a scaled number of FIB routes Product-Group=evo	When there are four thousand routes or more on the forwarding table of the PFE (Packet Forwarding Engine) and when interface adds and deletes are being executed it leads to FPC (Flexible PIC Concentrator) crash and traffic loss.
<a href="#">1777613</a>	Lost connectivity to management IP address after abnormal Routing Engine (RE) shuts down, and new Master RE won't own the IP either. Product-Group=evo	Master-only IP address is missing on mgmt-0 interface after the master Routing-Engine abnormally shuts down, which causes the router not be accessible remotely via mgmt-0 IP address.
PR Number	Synopsis	Category: Index management related issues; idmd* daemons
<a href="#">1764408</a>	Idmdsensor process may spontaneously crash on all Junos and Junos OS Evolved platforms if the standby RE has been frequently crashing Product-Group=evo	Idmdsensor process on the master RE leaks file descriptors every time standby RE crashes on all Junos and Junos OS Evolved platforms. If the standby RE keeps crashing for a long time, idmdsensor process on the master RE may try to exceed the limit of the file descriptors and spontaneously crash.
PR Number	Synopsis	Category: OFP related issues
<a href="#">1714333</a>	Junos OS Evolved: Specific TCP traffic causes OFP core and restart of RE (CVE-2024-21612) Product-Group=evo	An Improper Handling of Syntactically Invalid Structure vulnerability in Object Flooding Protocol (OFP) service of Juniper Networks Junos OS Evolved allows an unauthenticated, network-based attacker to cause a Denial of Service (DoS). Please refer to <a href="https://supportportal.juniper.net/JSA75753">https://supportportal.juniper.net/JSA75753</a> for more information.
PR Number	Synopsis	Category: software upgrade infra issues

[1776669](#) orchestrator core dump during JSU  
Product-Group=evo

If the customer setup has more than 10 nodes (including REs and FPCs), then orchestrator core dump might be seen during JSU upgrade.

PR Number	Synopsis	Category: Interface PRs defect & enhancement requests
<a href="#">1743461</a>	Changing speed and adding to AE in the same commit fails Product-Group=evo	On all Junos OS Evolved platforms, If the changing of the speed and the creation of the ae interfaces is in the same commit, the commit fails with "Interface aeX with child links of mixed speed but link-speed mixed is not configured".
<a href="#">1762065</a>	monitor interface or show interface does not display the interface description Product-Group=evo	Enhancement in EVO platform for the command "monitor interface" and "show interface" include interface description
<a href="#">1774767</a>	Traffic loss will be observed when an invalid IPv6 link-local address is configured Product-Group=evo	On Junos OS Evolved platforms, traffic loss will be observed when an invalid IPv6 (Internet Protocol Version 6) link-local address is configured.
PR Number	Synopsis	Category: EVO L2 Control Plane PRs
<a href="#">1737938</a>	On QFX Series platforms running Junos OS Evolved that support EVPN, on which EVPN feature support was introduced with MAC-VRF EVPN instances, you configure EVPN-VXLAN features using MAC-VRF instances only Product-Group=evo	On QFX Series platforms running Junos OS Evolved that support EVPN, on which EVPN feature support was introduced with MAC-VRF EVPN instances, you configure EVPN-VXLAN features using MAC-VRF instances only
<a href="#">1740561</a>	Traffic loss is seen due to anomalies after the recreation of IFLs Product-Group=evo	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.
<a href="#">1749191</a>	Some of the MAC addresses are not learned in EVPN-VXLAN scenario Product-Group=evo	On all Junos and Junos Evolved platforms configured with EVPN-VXLAN (Ethernet Virtual Private Network-Virtual Extensible Local Area Network) when network events such as interface flap/BFD (Bidirectional Forwarding Detection) flap etc. leads to overlay BGP (Border Gateway Protocol) / EVPN flap and results in VTEPs (VXLAN Tunnel Endpoint), IFLs (Logical Interface), IFFs (Interface Family) and IFBDs (Interface Family Bridge Domain) corresponding to remote MH (Multi Home) peers to be deleted and causes new ones to be recreated, it is observed that even though MAC address is received it is not being programmed which results in missing entries of MAC addresses in the MAC table.
<a href="#">1749745</a>	The MAC learning process is impacted and l2ald gets stuck when scaled L2 services and telemetry are configured Product-Group=evo	On all Junos Evolved platforms having scaled L2 (Layer 2) services and telemetry is enabled, under a rare scenario, it is seen that the l2 daemon is getting stuck due to which the show commands served by l2ald are not working and MAC (Media Access Control) addresses are not getting learned which leads to traffic drop.
<a href="#">1769086</a>	Data center interconnect configuration addition needs to	Adding interconnect configuration can be catastrophic

be non-catastrophic.  
Product-Group=evo

behaviour which means BD (Bridge domain) and routing instance object will be deleted and added back, during this window there will be traffic drop.

PR Number	Synopsis	Category: EVO linux defects & enhancement requests
<a href="#">1745190</a>	Junos OS Evolved: IPython privilege escalation vulnerability (CVE-2022-21699) Product-Group=evo	IPython, shipped with Juniper Networks Junos OS Evolved, is subject to an arbitrary code execution vulnerability achieved by not properly managing cross user temporary files. This vulnerability allows one user to run code as another on the same system. Please refer to <a href="https://supportportal.juniper.net/JSA75721">https://supportportal.juniper.net/JSA75721</a> for more information.
PR Number	Synopsis	Category: Category to track runtime issues during package install
<a href="#">1705229</a>	Every second and further system snapshots will raise a Disk Labelled Alarm for a brief moment Product-Group=evo	Upon executing "request system snapshot" there might be a brief Disk Labelled incorrectly Alarm raised for a few seconds. There is no operational impact.
PR Number	Synopsis	Category: PRs related to tunnels like GRE, IPIP in EVO control plane
<a href="#">1717782</a>	Traffic loss is observed with FTI over IRB as underlay. Product-Group=evo	In case of FTI (Flexible Tunnel Interface) over IRB (Integrated Routing and Bridging) over ethernet, underlay ifl (logical interface) was pointing to IRB instead of ethernet interface leading to packet loss.
PR Number	Synopsis	Category: mgd, ddl, odl infra issues
<a href="#">1752374</a>	Subsequent commits hang will be seen, when transfer-on-commit fails Product-Group=evo	On all Junos Evolved platforms, When transfer-on-commit is configured and it fails as the destination is unreachable or invalid, commit lock taken by automatic rollback commit is not released. Due to this, subsequent commits result in a hung state.
<a href="#">1783888</a>	[Junos OS Evolved] Traceoptions log sometimes shows UTC timestamp, although non UTC time-zone is configured Product-Group=evo	On all Junos OS Evolved platforms, traceoptions log sometimes shows UTC timestamp, although non UTC time-zone is configured.
PR Number	Synopsis	Category: EVPN control plane issues
<a href="#">1722102</a>	L2alm sends IPv6 NS with IRB link local address even though target IP is global address Product-Group=evo	On Junos and Junos Evolved platforms configured with EVPN-VXLAN, EVPN-MPLS, it is observed that L2alm sends IPv6 NS(Neighbor Solicitation) with link local address even through target IP is global address.
<a href="#">1732414</a>	EVPN-VXLAN interconnection DCI forwarding problem was observed when one of the AGW IRB interfaces failed in data centers spine Product-Group=evo	On Junos platforms, using the Ethernet Virtual Private Network-Virtual extensible Local Area Network (EVPN-VXLAN) setup with active-active Anycast Gateway (AGW) within two different Data Centers (DCs), using DCI interconnect config with interconnect encapsulation Multiprotocol Label Switching (MPLS). On the spine routers

dc1-spine1 and dc2-spine1 the same Integrated routing and bridging (IRB) AGW address is configured. There is one IRB interface per DC, DC1 (spine1 has irb, spine2 doesn't have and same for the DC2). When IRB interface failed in DC1/DC2 spine, the trigger of reprogramming same MAC received from DC2 missed as there is a separate macdb entry with vlan-id and VNI even if both are same Bridge domain (BD). Usually, it is expected to configure IRB on all Gateway (GW) nodes. If the user trying with IRB only on one GW node.

<a href="#">1747706</a>	Intermittent packet loss can be observed in evpn-vpws local switching scenario Product-Group=evo	When evpn-vpws local switching is configured, RPD is setting the user flags on the ccc ucast next hop, which is being interpreted as MPLS_OAM_FILTER and leading to traffic dropThe packet loss is random, the pattern is still to be analyzedThe issue can be seen regardless of control word and vlan configuration on the instance and interfaces
<a href="#">1761852</a>	The rpd can crash on all Junos platforms in Seamless DCI scenario Product-Group=evo	On all Junos platforms, a crash can be seen for the rpd (routing process daemon) in EVPN (Ethernet Virtual Private Network) seamless DCI (Data Center Interconnect) scenario when the 'evpn interconnect' and the BD (Bridge Domain) configuration are deleted in the same commit. There will be traffic loss when the rpd crashes but the system will self-recover.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: EVPN Layer-2 Forwarding</b>
<a href="#">1712259</a>	The Anycast Gateway stretched across 2 DCs over the seamless MPLS stitching DCI does not have Anycast Gateway MAC information coming from the remote DC when VLAN and VNI ids are different Product-Group=evo	On all Junos and Junos OS Evolved platforms, the AnyCast Gateway stretched across 2 Data Centres (DC) over the Data Centre Interconnect (DCI) using seamless Multiprotocol Label Switching (MPLS) stitching through Interconnect knob and having different VLAN and Virtual Network Identifier (VNI) ids (e.g., VLAN ID 101 <---> VNI 1101), then upon deactivating the Integrated Routing and Bridging (IRB) interface on all the gateways within DC, the AnyCast Gateway MAC information coming from Interconnect-Ethernet Segment Identifier (I-ESI) will not be available in the bridge mac-table and thus, the Inter VLAN/VNI routing will be impacted.
<a href="#">1718165</a>	ARP learning issues are observed post-execution of the CLI command 'clear bridge mac-table' or 'clear ethernet-switching table' in the EVPN-MPLS over IRB environment Product-Group=evo	On all Junos and Junos Evolved platforms, L3 (Layer 3) traffic will be impacted when ARP (Address Resolution Protocol) entries get deleted for the MAC (Media Access Control) address having a bad state post execution of the CLI 'clear bridge mac-table' or 'clear ethernet-switching table' command in the EVPN-MPLS (Ethernet VPN - Multiprotocol Label Switching) over IRB (Integrated routing and bridging) environment.
<a href="#">1743913</a>	IRB reachability issues may be observed in the EVPN-VXLAN environment when looped ARP comes on ESI-LAG Product-Group=evo	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.

<a href="#">1751386</a>	Re-ARP is not sent before MAC entry expires in EVPN environment on Junos MX platforms Product-Group=evo	On Junos MX240, MX304, MX480, MX960, MX2010, MX2020, MX10004, MX10008 platforms with MPC10/MPC11/LC9600 line cards, Re-Address Resolution Protocol (Re-ARP) is not sent before Media Access Control (MAC) entry expires. It causes a service impact in Ethernet Virtual Private Network- Virtual eXtensible Local-Area Network (EVPN-VxLAN) scenario with IRB (Integrated Routing and Bridging) and BD (Bridge Domain) configured.
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<a href="#">1758677</a>	MAC addresses programming failure resulting in traffic flooding Product-Group=evo	Issue 1: On QFX5K and EX platforms in the VXLAN (Virtual Extensible LAN) environment, traffic flooding will be observed for MAC addresses not getting programmed in the hardware with VPLAG (Virtual Chassis Port Link Aggregation) configured and BGP (Border Gateway Protocol) flaps. This issue happens when hardware programming by L2ALM to PFE fails, and during re-sync, SVLBH (shared VXLAN load balancing next hop) info is not sent to PFE/hardware. Issue 2: On all Junos and Junos Evolved platforms, l2alm sends a delete request for control MAC addresses to l2ald after multiple hardware sync failures.
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<a href="#">1773734</a>	Traffic flooding is observed due to MAC-IP deletion by l2alm in the EVPN-VXLAN / EVPN-MPLS environment Product-Group=evo	On Junos and Junos Evolved platforms, in the EVPN-VXLAN (Ethernet VPN-Virtual Extensible LAN) / EVPN-MPLS (Ethernet VPN-Multiprotocol Label Switching) environment when l2alm (Layer 2 Address Learning Manager) deletes the MAC-IP (Media Access Control - Internet Protocol Address) entry but doesn't re-add the MAC-IP entry right away leads to traffic flooding i.e. might result in congestion, packet looping, and packet drops.
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<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Port Mirroring feature on express PFE</b>
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<a href="#">1770432</a>	"evo-aftmand-bt[15138]: [t:15257] [Error] Jexpr: Invalid pfield " error logs seen on all Junos OS Evolved platforms Product-Group=evo	On all Junos OS Evolved platforms with remote port-mirror configuration where output interface is set as a FTI interface and is not bound to firewall, route changes toward this tunnel destination may lead to unexpected error messages of evo-aftmand-bt.
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<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Libjtask for RPD tasks, scheduler, timers, memory, and slip</b>
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<a href="#">1692738</a>	On all Junos lsys systems RPD process crashes due to JET client invoking rpc handled by RPD daemon Product-Group=evo	RPD process crash might be seen when the gRPC stack expects a 8 byte aligned memory but gets a 4 byte aligned memory instead.
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<a href="#">1724986</a>	With BGP traceoptions configuration high CPU utilization will be observed and the rpd process may crash Product-Group=evo	On all Junos and Junos Evolved platforms BGP traceoptions configuration will have an impact on the CPU, threads will be busy and will take time to recede in
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spite of disabling it. It is important we enable a specific trace flag and disable it when the CPU goes high. It is also important not to perform switchover and other triggers which can add load to the CPU during traces are enabled. Traces must be enabled discretely.

PR Number	Synopsis	Category: ISIS routing protocol
<a href="#">1713008</a>	Stale entries present in the lsdist table after ISO address change Product-Group=evo	On all Junos and Junos OS Evolved platforms configured with IS-IS and MPLS traffic engineering database (TED), if there is an ISO address change on another Intermediate System (IS), there will be stale entries being present in the link-state distribution (lsdist) table even though they might have been deleted in IS-IS and TED. This has an impact on the routes, and thus the services, related to the stale entries present in the lsdist.
<a href="#">1738222</a>	RPD crashes when multiple ISIS processes are configured Product-Group=evo	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 <>.
<a href="#">1752551</a>	Traffic drop is seen if chained-composite-next-hop is turned on for Segment Routing Product-Group=evo	On all Junos and Junos Evolved platforms, Traffic drop is seen if chained-composite-next-hop is turned on for Segment Routing ISIS because backup path is programmed as a POP in Composite-next-hop (CNH) and Push in Forwarding-next-hop (FNH).
<a href="#">1753003</a>	The rpd crashes on all Junos and Junos Evolved platforms with IS-IS, segment routing and flex algo configured Product-Group=evo	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).
<a href="#">1778841</a>	With protocol ISIS configured, any new LSP generation triggers SPF Product-Group=evo	On all Junos platforms, with ISIS configured, when commit or any operation that attempts for LSP generation, an SPF is triggered.
<a href="#">1782887</a>	Traffic blackhole due to Flex-algo not removing stale entries from ISIS database Product-Group=evo	On all Junos and Junos Evolved platforms, in an ISIS scenario using Flex-algo, the system does not remove the stale (outdated) entries from the ISIS database causes traffic blackholing. This issue could lead to some traffic loss, as the routing information stored in the ISIS database does not get properly updated.
PR Number	Synopsis	Category: Layer 2 Control Module
<a href="#">1763053</a>	LLDP neighborship will not be formed on all Junos devices Product-Group=evo	On Junos and Junos OS Evolved platforms, LLDP (Link Layer Discovery protocol) neighborship will not come up on local device if the local device is using Junos version lower than 22.3 and remote device is using Junos version 21.4R3-S2 and its subsequent service releases or version higher than 22.3.
PR Number	Synopsis	Category: Layer2 forwarding on EX/NTF/PTX/QFX

<a href="#">1707878</a>	Mac entry not ageout in RTG in EX4600-VC after VCP port reconnect Product-Group=evo	EX4600 with Redundant Trunk Group (RTG) configured, after VCP port between members of EX4600 disconnect and connect again. Mac address entry created in RTG cannot ageout.
<a href="#">1743737</a>	The switch-options settings on the logical-system will be not reflected after RE rebooting or RE switchover or restart of l2-learning Product-Group=evo	The switch-options settings on logical-system will be not reflected after RE (Routing Engine) rebooting or RE switchover or l2-learning. This issue is seen only with logical-system and with the default instance, this behavior is not seen.
<a href="#">1790064</a>	The l2ald process will crash, with rapid configuration changes followed by rpd and l2ald restart process Product-Group=evo	On all Junos and Junos OS Evolved platforms with EVPN - VXLAN and high scaling configuration, rapid configuration changes followed by restart of rpd and l2ald will result in l2ald process crash and traffic drop will be observed.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: lacp protocol</b>
<a href="#">1773702</a>	MC-LAG will not work as expected on all platforms Product-Group=evo	On all Junos and Junos OS Evolved platforms, due to miswiring or unexpected design in MC-LAG topology, when all the Multi-Chassis Link Aggregation (MC-LAG) nodes including Customer Edge (CE) devices are rebooted at once, MC-LAG will not work as expected.
<a href="#">1773827</a>	The LAG with member interface enabled with 'force-up' can flap after switchover Product-Group=evo	On Junos and Junos Evolved QFX/EX platforms if the member link of an AE (Aggregation Ethernet) interface is configured with force-up, the LAG (Link Aggregation Group) can flap after switchover through GRES (Graceful Routing Engine Switchover) or during ISSU (In Service Software Upgrade). Traffic that goes through the LAG will be dropped when the interface flaps.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Interface PR for LC1202 LC</b>
<a href="#">1768453</a>	PCS errors on Ethernet interface on certain PTX platforms running Junos Evolved Product-Group=evo	On certain PTX10001-36MR and PTX10K4/8/16 with LC1201/LC1202 platforms running Junos Evolved 21.2R1-S1, 21.2R2, 21.3R1 or later releases, PCS (Physical Coding Sublayer) errors and framing errors would be seen on 10/100GE interfaces and the high rate of PCS error could lead to interface flap.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Label Distribution Protocol</b>
<a href="#">1687834</a>	After disable/enable MPLS, targeted LDP session is not getting established Product-Group=evo	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.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Issues related to Junos licensing infrastructure</b>
<a href="#">1759618</a>	License-service crash is seen on Junos OS Evolved	On Junos OS Evolved platforms, when license with

platforms  
Product-Group=evo

unknown feature ID/platform reserved feature ID is added via configuration set system license keys key and then if License-service is restarted or system is rebooted or software upgrade is done then license service crashes and crash files are seen. This is a non service impacting issue.

<a href="#">1766515</a>	A warning message is seen while installing a license key with an unknown feature Product-Group=evo	On all Junos platforms, a warning message is seen when installing the license key where features don't support the product.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Port-based link layer security services and protocols that a</b>
<a href="#">1710867</a>	Traffic drop happens on IFLs which has MACsec configured Product-Group=evo	On MX2008/MX2010/MX2020 platforms with MPC11E, traffic drops are seen when MACsec(Media Access Control Security) is enabled on multiple (at least 2) IFLs (logical interface) on the same IFD (physical interface).
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: MPC11 ULC interface software related issues.</b>
<a href="#">1698135</a>	XQSS_CMERROR_DSTAT_INT_REG_DROP0_QDEPTH_UNDRN alarm is seen on MX2K platforms with MPC11E line cards upon aggregate interface down/flap event Product-Group=evo	On MX2010 or MX2020 platforms with MPC11E line cards, if a member link of an aggregate interface goes down or flaps, it might trigger "XQSS_CMERROR_DSTAT_INT_REG_DROP0_QDEPTH_UNDRN" alarm and disable-pfe action is executed. The affected PFE (Packet Forwarding Engine) will be disabled and no traffic will pass through it.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Multiprotocol Label Switching</b>
<a href="#">1694957</a>	The rpd process crash is seen when PCCD is deactivated Product-Group=evo	On all Junos and Junos Evolved platforms, deactivating PCCD (Path Computation Client Process) from MPLS (Multiprotocol Label Switching) Container LSP (Label Switched Path) might result in the rpd core. When the container LSPs are removed from the tag external controller, the cleanup of the members does not happen which results in the core.
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Multicast Routing</b>
<a href="#">1769782</a>	The rpd crash is observed when mvpn-mode is configured as "rpt-spt" and multicast snooping is enabled Product-Group=evo	On Junos OS Evolved platforms, when mvpn-mode (Multicast Virtual Private Network) is configured as "rpt-spt" (Rendezvous-point tree - Shortest-path tree) and multicast snooping is enabled, the rpd crash is observed. The issue happens when the routing process tries to obtain the source address on processing the multicast <*,g> route.
<a href="#">1777774</a>	The rpd process crash is observed when MVPN PE receives PIM join messages from the remote peers Product-Group=evo	On all Junos Evolved platforms, when MVPN (Multicast Virtual Private Network) configured device receives PIM join or IGMP report from the remote peer installs route in next-hop and not in multicast composite next-hop, causing the rpd process to crash.

PR Number	Synopsis	Category: For multicast snooping on MX
<a href="#">1711153</a>	A crash can be observed for 'mcsnoopd' process when the VLAN name for igmp-snooping has certain characters Product-Group=evo	On all Junos and Junos Evolved platforms, a crash can be observed for the 'mcsnoopd' process. This issue is seen when the devices support the VLAN (Virtual Local Area Network) style of igmp-snooping (internet group messaging protocol configuration (set protocols igmp-snooping vlan ) and the VLAN name begins with the word all and has certain other characters. The workaround is not to enable the snooping for such VLANs.
PR Number	Synopsis	Category: Multicast for L3VPNs
<a href="#">1709175</a>	MVPN sender site not working with IR tunnels configured Product-Group=evo	On all Junos and Junos Evolved platforms, MVPN (Multicast Virtual Private Network) sender site having IR (Ingress Replication) tunnel configured, due to software issue, type 1 route is not being sent and egress node is observed to not accept traffic from unknown neighbor.
PR Number	Synopsis	Category: OSPF routing protocol
<a href="#">1702456</a>	Junos prefers SRMS advertised label over IS-IS/OSPF SID label advertised via opaque-AS Extended-Prefix Product-Group=evo	On all Junos and Junos Evolved platforms, when IPv4 prefix advertisement received by an IS-IS/OSPF router in the Extended IP reachability TLV and SR mapping server (SRMS) advertisement for the same prefix received through the segment identifier (SID) label Binding TLV, then SRMS advertised label preferred over IS-IS/OSPF SID label advertised via opaque-AS Extended-Prefix. Traffic will be sent via wrong path due to this issue.
<a href="#">1732500</a>	The adjacent PE Node SID label will drop from routing table when MicroLoop-Avoidance is enabled in OSPF-SR Product-Group=evo	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.
<a href="#">1737978</a>	OSPFv3 using the VIP address on the IRB interface will not form adjacencies between peers Product-Group=evo	OSPFv3 may not form adjacencies on IRB interfaces with VRRP configuration.
PR Number	Synopsis	Category: qfx-sw-mclag
<a href="#">1742613</a>	Race condition where FLOOD ROUTE DEL event can cause l2ald crash. Product-Group=evo	When system comes up with BULK L2 config, a subsequent CONFIG delete in a way that L2ALD is still not finished processing the config create, could lead to a race condition where FLOOD ROUTE DEL event can cause l2ald crash.
PR Number	Synopsis	Category: Category for QFX5K EVO Platform Software PRs related to Inte

[1770327](#) 4 x 25 Gbps Channelized port is not coming up on QFX5220-128C  
Product-Group=evo

On QFX5220-128C platform 4 x 25 channelised port is not coming up after changing FEC (Forwarding equivalent class) configuration from cli, FEC configuration does not take affect so the link will not come UP due to FEC mismatch.

PR Number	Synopsis	Category: Issues related to dynamic-tunnels routing infrastructure
<a href="#">1749601</a>	Traffic is getting dropped when using GRE NH-based with GRE Key even though the dynamic tunnel is up Product-Group=evo	On all Junos and Junos OS Evolved platforms that support MPLS(Multi-Protocol Label Switching) over GRE (Generic Routing Encapsulation) and have dynamic tunnel configured the traffic can get dropped. This issue is seen when IPv4 traffic is sent and the NH (Next Hop) is a GRE-based dynamic tunnel with a GRE key, the traffic can get dropped even though the tunnel is in up state.
PR Number	Synopsis	Category: RPD infrastructure issues related to NSR, GRES, switchover,
<a href="#">1727957</a>	The traffic drop is observed during the Graceful restart on Junos and Junos Evolved platforms Product-Group=evo	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 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
<a href="#">1738820</a>	An rpd crash will be observed due to inconsistency between rpd and kernel Product-Group=evo	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.
<a href="#">1758483</a>	The rpd memory leak using multicast composite nexthops Product-Group=evo	On Junos OS Evolved platforms, memory leak in the rpd (routing process daemon) will be observed when there is a change in the multicast composite nexthops (MCNH) via route changes. Please refer to <a href="https://supportportal.juniper.net/TSB74067">https://supportportal.juniper.net/TSB74067</a> for more information.
<a href="#">1761667</a>	On Junos and Junos Evolved platforms the rpd crashed abnormally and later chassisd crashed as well Product-Group=evo	On Junos and Junos Evolved platforms configuring BGP causes the rpd to crash abnormally and later chassisd crashes too.
<a href="#">1774975</a>	Features utilizing inactive routes will not work properly after the device reboot Product-Group=evo	On all Junos and Junos OS Evolved platforms, due to some software issue, after the device reboot features utilizing inactive routes in the routing table will not work properly. This will cause issues like some inactive routes not being advertised when selected as the best path, features like advertise-inactive not working properly as it utilizes an inactive route flash, high Routing Protocol Daemon (rpd) Central Processing Unit (CPU) utilization, etc.
PR	Synopsis	Category: RPD Next-hop issues including indirect, CNH,

Number		and MCNH
<a href="#">1747992</a>	The memory consumption increases due to memory leak Product-Group=evo	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 route tables, resolver, routing instances, static routes
<a href="#">1687884</a>	The traffic drop will be observed for the static route after VRRP failover when VRRP VIP is set as next-hop for that static route Product-Group=evo	On all Junos and Junos OS Evolved platforms, the next-hop for a static route does not refresh at PFE (Packet Forwarding Engine) after VRRP (Virtual Router Redundancy Protocol) failover when VRRP VIP (Virtual-IP) address is used as the next-hop for the static route.
<a href="#">1692484</a>	Configuration check-out failed when applying "irb with inet and inet6" and "inet6.0 static route" Product-Group=evo	commit check for overlapping prefix will fail to commit when ::/0 static route is configured with qualified next-hop and irb interface.
<a href="#">1746439</a>	Route-distinguisher change leads to the route being present in rpd, but not installed in kernel/PFE Product-Group=evo	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.
<a href="#">1761232</a>	Memory spike will be observed on the system with BFD enabled Product-Group=evo	On all Junos and Junos OS Evolved platforms, when Bidirectional Forwarding Detection (BFD) is enabled with any routing protocols (ex - IS-IS/OSPF), memory spikes will be observed in the system.
PR Number	Synopsis	Category: Resource Reservation Protocol
<a href="#">1690110</a>	Traffic is not load-balanced when one of the next-hop LSP is down Product-Group=evo	On all Junos and Junos Evolved platforms, in the multi-LSP next-hop load-balance scenario, in case any one of the label-switched path (LSP) is down, the traffic will not be load-balanced to the rest of the LSPs, due to the weight of LSP next hops not being set correctly.
<a href="#">1694777</a>	Restarting FPC or router reboot might causes some CCC interfaces to go down due to a 'Remote CCC down' Product-Group=evo	On all Junos and Junos OS Evolved platforms, if CCC (Circuit Cross-Connect) is configured to use a label-switched-path such as IGP routed, i.e., no-cspf and no strict ERO (Explicit Route Object) configuration, then restarting egress CCC node or restarting FPC on the egress CCC node containing remote-interface-switch configuration multiple times may cause CCC to remain stuck in remote-if-down state, resulting in loss of traffic. (The knob 'remote-interface-switch' is configured on the egress LER of the RSVP-TE LSP (Resource Reservation Protocol-Traffic Engineering label-switched-path) which binds the LSP terminating on the node to a local interface).
<a href="#">1703424</a>	Pathtear message is not forwarded by PLR to merge point which is causing data plane blackholing	On all Junos and Junos OS Evolved platforms, the PLR (point of local repair) is not sending the pathtear message

Product-Group=evo

when the merge point supports the enhanced FRR while the route reaching the neighbor is using a shortcut route under MVPN (Multicast Virtual Private Network) configured scenario.

<p><a href="#">1713392</a></p>	<p>PathErr with RoutingProblem error code generated unexpectedly during dual failure local repair Product-Group=evo</p>	<p>When an LSR acts as a Point of Local Repair (PLR) as well as a Merge Point (MP) for an LSP during a double failure scenario, the LSR incorrectly originates one or two PathErr messages with RoutingProblem (code=24/2) instead of originating PathErr with NotifyError (code/subcode=25/3). This will not cause any service impact if the ingress LER would not react adversely to RoutingProblem error (code=24/2).</p>
<p><a href="#">1744225</a></p>	<p>Bypass LSP traversing Flood-Reflector Cluster unexpectedly changes TE next-hop on transit node Product-Group=evo</p>	<p>On a FR-Cluster (Flood-Reflector-Cluster) Ingress node, the ERO (Explicit Route Object) of the transit bypass LSP (Label Switched Path) was expanded and a PATH message was sent to the computed next-hop. - Before the RESV was received on this node for this LSP, there was a NH (next-hop) flash event that resulted in the ERO expansion being recomputed and a PATH message was sent to the newly computed next-hop. This resulted in stale state downstream.Fix:The ERO expansion would not have been 'recomputed' if the LSP was UP at this transit node. The fix is to prevent re-computation from happening if the LSP hasn't come UP yet and ERO expansion has already been done. This issue is seen on All Junos and Junos Evolved platforms and traffic drop happens in bypass LSP scenario.</p>
<p><a href="#">1756096</a></p>	<p>In-place-lsp-update failure causing ungraceful tear down of LSP Product-Group=evo</p>	<p>On Junos and Junos Evolved platforms, when the egress label edge router (LER) receives ResvErr from the upstream hop, the egress LER will tear down the reservation, disrupting the traffic carried over the label-switched path (LSP). The issue will happen when "in-place-lsp-bandwidth-update" is configured for the LSP on the ingress LER, or "node-link-protection" is configured for the LSP on the ingress LER and "no-enhanced-frr-bypass" is configured on all LSRs.</p>
<p><b>PR Number</b></p>	<p><b>Synopsis</b></p>	<p><b>Category: RPD API infrastructure</b></p>
<p><a href="#">1710274</a></p>	<p>Next Hop counts are not as expected Product-Group=evo</p>	<p>Next Hop counts are not as expected</p>
<p><b>PR Number</b></p>	<p><b>Synopsis</b></p>	<p><b>Category: PTX10K specific platform PRs</b></p>
<p><a href="#">1706601</a></p>	<p>CLI "show chassis craft-interface" shows "Fail" with the removed FPC after offlined FPC is removed from chassis Product-Group=evo</p>	<p>On PTX10004/8/16 EVO, when offlined FPC is removed from chassis, "show chassis craft-interface" CLI shows "Fail" for removed FPC.</p>
<p><a href="#">1716276</a></p>	<p>PTX10004/8/16 EVO "LINE CARDS" LED on Status Panel is Lit ON in Green right after FPC is inserted although FPC is Present state Product-Group=evo</p>	<p>On PTX10K running Junos Evolved software platforms, the "LINE CARDS" LED on Status Panel is Lit ON in Green right after FPC is inserted although FPC is Present state.</p>
<p><b>PR</b></p>	<p><b>Synopsis</b></p>	<p><b>Category: Bug and Review Tracking for Segment routing</b></p>

Number		traffic eng
<a href="#">1683003</a>	The policy-multipath route inherits the attributes of active-route but does not undergo resolution, causing an incorrect metric value Product-Group=evo	When an active path undergoes resolution with policy-multipath configured, policy-multipath routes are generated which inherit the attributes of active-route and do not undergo route resolution.
<a href="#">1720031</a>	The rpd process crash will be observed while creating/updating the PCEP tunnel Product-Group=evo	On Junos and Junos OS Evolved platforms, when SR (Segment Routing) PCEP (Path Computation Element Protocol) provisional tunnel is configured along with the template but the template has delegation configured, then the PCEP update message received for creating/updating tunnels is causing the rpd process crash and tunnel creation/update will fail for PCEP provisional tunnel.
<a href="#">1737119</a>	The traffic blackhole will be observed when the SRTE shortcut is configured Product-Group=evo	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 Multiprotocol Label Switching) + traffic engineering shortcut is configured.
PR Number	Synopsis	Category: ZT/YT pfe firewall software
<a href="#">1743930</a>	Traffic drop is observed after the addition or removal of the "filter-specific" knob under the policer Product-Group=evo	On MX platforms with MPC10, MPC11 and JNP10K-LC9600 linecards, when both regular & hierarchical/tricolor policer is configured on the logical interface (ifl), after the addition or removal of "filter-specific" knob under this combination of policer traffic drop is observed.
PR Number	Synopsis	Category: Trio pfe stateless firewall software
<a href="#">1724563</a>	Traffic drop would be observed while restarting the chassis-control Product-Group=evo	On MX platforms with MPC1 to MPC9 line cards, while restarting chassis-control, the line card crashes as the watchdog timer panics due to an internal thread being too busy seemingly finding if a particular term-based filter has a term with then port-mirror-instance <> for a particular instance name.
PR Number	Synopsis	Category: Trio pfe I3 forwarding issues
<a href="#">1700203</a>	DHCP offer requests are dropped while routed towards different VRFs of transit router Product-Group=evo	On all Junos platforms with route leaking and no-snoop configuration, DHCP (Dynamic Host Configuration Protocol) offer requests could be dropped while traversed to different VRFs (Virtual Routing and Forwarding) from default RI (Routing Instance).
PR Number	Synopsis	Category: Ephemeral Database
<a href="#">1610713</a>	The rpd crash will be observed post ephemeral database configuration commit sync Product-Group=evo	On Junos and Junos Evolved platforms, post ephemeral database configuration commit sync leads to a state mismatch between master and backup.

PR Number	Synopsis	Category: UI Infrastructure - mgd, DAX API, DDL/ODL
<a href="#">1718063</a>	After deleting commit scripts with transient changes, the changes do not take effect Product-Group=evo	On Junos OS Evolved ACX7100-32C / ACX7100-48L / ACX7509 / PTX10001-36MR / PTX10003 / PTX10004 / PTX10008 / PTX10016 platforms, when a commit script with transient configurations is deleted, daemon does not see the change after commit.
<a href="#">1772201</a>	unexpected commit error - error: VLAN-ID must be specified on tagged ethernet interfaces Product-Group=evo	unexpected commit error like 'error: VLAN-ID must be specified on tagged ethernet interfaces', due to 'commit check' reset internal flag incorrectly after load override configuration in rare condition.
PR Number	Synopsis	Category: Virtual Private LAN Services
<a href="#">1680687</a>	The rpd crash is seen due to the creation of a new logical interface Product-Group=evo	On all Junos Evolved and Junos MX platforms, when a new logical interface(LSI) is created, but the configuration was deleted as the kernel failed to add the interface will lead to rpd crash.
PR Number	Synopsis	Category: Express ZX PFE L3 Features
<a href="#">1768610</a>	FPC offline causes PTX10003-160C to reboot Product-Group=evo	On PTX10003-160C platforms, an FPC (Flexible PIC Concentrator) offline via the command "request chassis fpc slot offline" triggers the evo-aftmand process crash as the FPC goes offline. This causes a system reboot. Services will be resumed normally after reboot.

## 22.2R3-S3-EVO - List of Known issues

PR Number	Synopsis	Category: Bi Directional Forwarding Detection (BFD)
<a href="#">1698373</a>	A few BFD sessions might flap after FPC reload and stabilization Product-Group=evo	On all Junos platforms and Junos Evolved with scaled BFD sessions, FPC reload/restart results in few BFD session flap.  <i>Resolved In:</i> evo:20.4R3-S10-EVO evo:21.4R3-S6-EVO evo:22.1R3-S5-EVO evo:22.4R3-EVO junos:20.3X75-D44 junos:20.4R3-S10 junos:21.4R3-S6 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.3R3-S2 junos:22.4R3 junos:23.2R1 junos:23.4R2
PR Number	Synopsis	Category: EVO L3 routing for BCM XGS Platforms
<a href="#">1724147</a>	Configured hash-seed key doesn't work as expected after the device reboots Product-Group=evo	On Junos OS Evolved platform QFX5130/QFX5220/QFX5700, when the device is rebooted. Hash distribution will still continue to work but doesn't work as expected post reboot. The flows may be hashed onto a different links after reboot.  <i>Resolved In:</i> evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO

PR Number	Synopsis	Category: PFE L2 forwarding features on BT based platforms
<a href="#">1716767</a>	Protocol hello and keep-alive messages will not work on the mac accounting interface Product-Group=evo	On PTX10003,PTX10008,PTX10016 and PTX10001-36MR Junos OS Evolved Platforms , when mac accounting is enabled under any interface and that same interface is also used to exchange hello/keep-alive protocol messages, then those multicast-based hello and keep-alive messages will not function on the mac accounting interface and any dynamic routing protocol which uses multicast for exchanging hello and keep-alive packets got affected by this PR when mac accounting is enabled in the communication path.  <i>Resolved In:</i> evo:22.3R3-S2-EVO evo:22.4R1-S2-EVO evo:22.4R2-EVO evo:22.4R3-EVO evo:23.2R1-EVO evo:23.3R1-EVO
<a href="#">1777003</a>	PTX10001-36MR: epp_epc_intr_shmem_err seen in logs Product-Group=evo	PTX10001-36MR : epp_epc_intr_shmem_err seen in logs  <i>Resolved In:</i> evo:21.4R3-S6-EVO evo:23.2R2-EVO evo:23.4R1-S1-EVO evo:23.4R2-EVO evo:24.1R1-EVO evo:24.2R1-EVO
PR Number	Synopsis	Category: Express BT PFE L3 Features
<a href="#">1789679</a>	PTX10K EVO platforms with high multicast route changes can trigger multicast traffic queue drops Product-Group=evo	Due to pfe internal logging processing time of multicast next-hop changes, multicast route convergence might take longer on one FPC versus other FPCs in the same system. This can cause multicast traffic amplification resulting in multicast traffic queue drops. The condition is transient and may last for sub-seconds to seconds.  <i>Resolved In:</i> evo:21.4R3-S7-EVO evo:21.4X6-EVO evo:22.4R3-S1-EVO evo:22.4R3-S2-EVO evo:23.2R2-EVO evo:23.4R2-EVO evo:24.1R1-EVO evo:24.2R1-EVO
PR Number	Synopsis	Category: DNX L2 related features
<a href="#">1782190</a>	Traffic disruption is seen when IRB is present within ERPS protected bridge domain Product-Group=evo	On Junos Evolved ACX7K platforms, whenever ARP (Address Resolution Protocol) refresh takes place, ARP packet will flood on both blocked (backup path) and unblocked (working path) ports in a ring node. ARP packet is being allowed in the block port, causing traffic disruption.  <i>Resolved In:</i> evo:22.4R3-S1-EVO evo:23.2R2-EVO evo:23.4R1-S1-EVO evo:23.4R2-EVO evo:24.1R1-EVO
PR Number	Synopsis	Category: VPWS, L2 CKT, EVPN-VPWS
<a href="#">1775809</a>	In the scaled L2circuit configured with L2circuit redundancy configuration traffic drops may be observed Product-Group=evo	On Junos OS Evolved ACX platforms, in the scaled L2circuit (Layer 2 Circuit) configured (200+ L2circuits) with L2circuit redundancy configuration traffic drops may be observed on a few instances only when deactivating/activating IGP (Interior Gateway Protocol) protocol or restart routing.  <i>Resolved In:</i> evo:22.4R3-EVO evo:22.4R3-S1-EVO evo:23.2R2-EVO evo:23.4R1-S1-EVO evo:23.4R2-EVO evo:24.1R1-EVO
PR Number	Synopsis	Category: ACX IFL, IFF creation
<a href="#">1662174</a>	Ipv6 transit traffic statics output is missing Product-Group=evo	Ipv6 transit traffic statics output is missing  <i>Resolved In:</i>

PR Number	Synopsis	Category: Dynamic rendering infrastructure
<a href="#">1714120</a>	The picd and evoaftmand process crash is seen in telemetry scenario Product-Group=evo	The picd and evoaftmand process will crash by unsubscribing /component or /interface sensor on certain platforms which uses telemetry infra.  <i>Resolved In:</i> evo:22.2R3-EVO evo:22.3R3-EVO evo:22.3X50-EVO evo:22.3X80-D32-EVO evo:22.3X80-D33-EVO evo:22.4R2-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:24.2R1-EVO junos:22.1R3-S2 junos:22.3R2-S1 junos:22.4R1-S2 junos:22.4R3 junos:23.2R1 junos:23.3R1
PR Number	Synopsis	Category: Issues related to evo operations - libevo infra, typeinfo ..
<a href="#">1711265</a>	The rpd and rpd-agent crash are observed after the reboot of Master RE or Switchover Product-Group=evo	On all Junos Evolved platforms with Dual Routing Engine(RE), if Master RE is rebooted or Switchover happens, the Multicast Composite Next Hop (MCNH) is deleted by the Routing Protocol daemon(rpd) of the new Master RE, which leads to a crash of rpd and rpd-agent and routing protocols are impacted, which could cause service impact.  <i>Resolved In:</i> evo:22.2R3-S2-J8-EVO evo:22.3R3-EVO evo:22.3X50-EVO evo:22.4R3-EVO evo:23.1R1-S1-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO junos:22.3R3 junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
<a href="#">1752267</a>	Traffic blackholes due to next-hops are stuck in the pending-delete in evo-aftmand Product-Group=evo	On all Junos Evolved platforms, when repeated modifications are done for the routes changing next-hops, because of the non-cleanup of the previous next-hop information, next-hops are stuck in the pending-delete which leads to a traffic blackhole.  <i>Resolved In:</i> evo:21.4R3-S5-EVO evo:22.1R3-S4-EVO evo:22.2R3-S2-EVO evo:22.3R2-S2-EVO evo:22.3R3-S1-EVO evo:22.3X50-EVO evo:22.3X80-D38-EVO evo:22.3X80-D39-EVO evo:22.4R2-S2-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R1-S1-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.3R2-EVO evo:23.4R1-EVO junos:23.1R2 junos:23.2R2 junos:23.3R2 junos:23.4R1
PR Number	Synopsis	Category: software upgrade infra issues
<a href="#">1699699</a>	The commit changes will not take effect post software upgrade once the system is rebooted on Junos OS Evolved platforms Product-Group=evo	On Junos OS Evolved Platforms, any UI (user interface) set (configuration, script, license) changes done post software addition were being lost after the subsequent reboot.  <i>Resolved In:</i> evo:23.2R2-EVO evo:23.3R1-EVO junos:23.2R1 junos:23.2R2 junos:23.3R1
PR Number	Synopsis	Category: EVO L2 Control Plane PRs
<a href="#">1785529</a>	The l2ald process crash is observed on all Junos OS Evolved platforms Product-Group=evo	On all Junos OS Evolved platforms, when bridge-domain is configured and on creation and deletion of VLANs, l2ald crash is observed.  <i>Resolved In:</i> evo:23.4R2-EVO evo:24.1R1-EVO evo:24.2R1-EVO junos:23.2R2 junos:23.4R2 junos:24.1R1 junos:24.2R1
PR Number	Synopsis	Category: AAA, auditd issues
<a href="#">1565251</a>	For console logins,	Authentication for a user trying to login to console port on Evo happens only locally as

remote authentication and remote authorisation are not supported on Evo. Remote accounting will still be supported for console logins on Evo.  
Product-Group=evo

there is no reachability to remote server during console login. Remote Authentication and Remote Authorisation are NOT supported for console logins on EVO. Only Local Authentication and Local Authorisation are supported for Console logins on EVO. Remote Accounting is supported for console logins on EVO based on accounting configs.

*Resolved In:*

PR Number	Synopsis	Category: mgd, ddl, odl infra issues
<a href="#">1665008</a>	The system will ask for password while saving configuration files on single RE platforms Product-Group=evo	The system may ask for your password when you are thing to save configuration file.  <i>Resolved In:</i> evo:22.3X50-EVO evo:22.4R3-EVO evo:23.1R1-EVO junos:23.1R1
<a href="#">1741284</a>	hasGlobalIP: Attribute GLOBALIPOWNER doesn't exist is reported on Master RE when commit synce to Backup RE. Product-Group=evo	22.4R2-EVO and earlier, 22.4R2 and earlier  <i>Resolved In:</i> evo:21.4R3-S7-EVO evo:22.4R3-EVO evo:23.1R2-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1
PR Number	Synopsis	Category: SNMP, mib2d issues
<a href="#">1665415</a>	snmp client-list-name dependency unresolved error. Product-Group=evo	On all Junos Evolved platforms, if already configured prefix list name is given as snmp community client-list-name then it will flood these error.  <i>Resolved In:</i> evo:22.4R2-S1-EVO evo:22.4R3-EVO evo:22.4R3-S1-EVO evo:23.1R2-EVO evo:23.2R1-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:22.4R3 junos:23.1R2 junos:23.2R1 junos:23.3R1
PR Number	Synopsis	Category: Express PFE FW Features
<a href="#">1666485</a>	Fast-lookup-filter knob for egress filters is not available in 21.2* releases. It is available from 21.3R1+ Product-Group=evo	Fast-lookup-filter knob for egress filters is not available in 21.2* releases. It is available from 21.3R1+  <i>Resolved In:</i> evo:21.2X80-D25-EVO
PR Number	Synopsis	Category: ACX7332 & ACX7348 Platform Software
<a href="#">1653385</a>	[Multid:Ultron] output rate is showing non-zero value when interface is down with optics removed Product-Group=evo	When interface is down, output traffic would not be non-zero as traffic is forwarded internally even when port is down.  <i>Resolved In:</i>
PR Number	Synopsis	Category: Issues related to Junos licensing infrastructure
<a href="#">1783509</a>	License key is not	Issue: During the USB upgrade, "/tmp/root/chas_ser_num.id" file does not exist. So the

	installed after USB upgrade, via "set system license keys key" Product-Group=evo	USB bootup commit causes failure. Fix: Added file existing check for <code>?/tmp/root/chas_ser_num.id?</code> file, to avoid validation issue during USB upgrade. In normal upgrade <code>"/var/db/scripts/validation/"</code> path is persistent, you will not see this issue.  <i>Resolved In:</i> evo:23.2R2-EVO evo:23.4R2-EVO evo:24.1R1-EVO evo:24.2R1-EVO junos:23.4R2 junos:24.1R1 junos:24.2R1
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: SW PRs for MPC10E PMB</b>
<a href="#">1731258</a>	MPC10 and MPC11 line cards experiencing unexpected reboots Product-Group=evo	Line cards such as MPC10 and MPC11 experience unexpected reboots because of CPU C-states which are enabled by default thus impacting the customer production traffic.  <i>Resolved In:</i> evo:24.1R1-EVO junos:22.4R3 junos:22.4R3-S1 junos:23.2R2 junos:24.1R1
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: For multicast snooping on MX</b>
<a href="#">1710565</a>	In a scaled setup mcsnooped is taking high CPU causing traffic drop Product-Group=evo	On all Junos and Junos Evolved platforms, whenever a commit is done, that involves mcsnooped daemon config parsing such as (VLAN creation/deletion, interface add/delete to VLAN, interface enable/disable, IGMP (Internet Group Management Protocol) snooping/MLD (Multicast Listener Discovery) snooping related config commands) mcsnooped will consume CPU. In less scaled setup (few IGMP snooping enabled VLANs and few hundred IGMP snooping memberships), the CPU time taken is less. In a more scaled setup (many IGMP snooping-enabled VLANs and a few thousand IGMP snooping memberships), the CPU may reach >90%. Since mcsnooped is taking high CPU, it may affect other daemons like rpd. It may affect all the protocols if the CPU is not available to the protocols/daemons. This can impact route entries expiring and cause traffic drop.  <i>Resolved In:</i> junos:22.4R3-S2 junos:24.1R1
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: RPD Next-hop issues including indirect, CNH, and MCNH</b>
<a href="#">1777068</a>	Policy Evaluation causing unrelated route flaps in Dynamic Tunnel setup Product-Group=evo	On all Junos and Junos Evolved platforms that support Dynamic tunnels, a policy evaluation of the routing policy causes flaps for unrelated tunnel routes. The route flap for the tunnel route will cause traffic loss.  <i>Resolved In:</i> evo:22.4R3-S1-EVO evo:23.2R2-EVO evo:23.4R2-EVO evo:24.1R1-EVO junos:20.3X75-D44 junos:20.3X75-D440 junos:22.4R3 junos:22.4R3-S1 junos:23.2R2 junos:23.4R2 junos:24.1R1
<a href="#">1785884</a>	The rpd crash is observed due to segment fault Product-Group=evo	On Junos OS Evolved platforms, when no acknowledgment is received from PFE (Packet Forwarding Engine) within timeout results in the rpd (Routing Process Daemon) crash. This issue happens when routes requesting acknowledgment do not receive acknowledgment leading to segment fault.  <i>Resolved In:</i> evo:23.2R2-EVO evo:23.4R1-S1-EVO evo:23.4R2-EVO evo:24.1R2-EVO evo:24.2R1-EVO junos:22.4R3-S2 junos:23.2R2 junos:23.4R2 junos:24.1R2 junos:24.2R1
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: PTX10K platform specific fabric PRs</b>
<a href="#">1784766</a>	Performing back to back SIB offline results in context deadline exceeded error on	On Junos Evolved PTX10008/PTX10004/PTX10016 platforms with LC1201 line cards, Google Protocol Remote Procedure Calls (gRPC) Network Management Interface (gNMI) call polling for the <code>/components/component[name=SIB0]/state/oper-status</code> after Switch Interface Board (SIB) offline/online results in context deadline exceeded error.

PTX10016  
Product-Group=evo

*Resolved In:* evo:22.3X80-D42-EVO evo:22.3X80-D43-EVO evo:23.2R2-EVO evo:24.1R1-EVO evo:24.2R1-EVO

PR Number	Synopsis	Category: Issues related to control plane security
<a href="#">1781732</a>	Junos OS and Junos OS Evolved: Impact of Terrapin SSH Attack (CVE-2023-48795) Product-Group=evo	<p>An Improper Validation of Integrity Check Value vulnerability in OpenSSH before 9.6 of Juniper Networks Junos OS and Junos OS Evolved allows a remote attacker to bypass integrity checks such that some packets are omitted (from the extension negotiation message), and a client and server may consequently end up with a connection for which some security features have been downgraded or disabled, aka the Terrapin Attack. Please refer to <a href="https://supportportal.juniper.net/JSA76462">https://supportportal.juniper.net/JSA76462</a> for more information.</p> <p><i>Resolved In:</i> evo:21.2R3-S8-EVO evo:22.3R3-S3-EVO evo:23.2R2-EVO evo:23.4R2-EVO evo:24.1R1-EVO junos:19.4R3-S13 junos:20.2R3-S9 junos:20.4R3-S10 junos:21.4R3-S6 junos:22.1R3-S5 junos:22.2R3-S3 junos:22.3R3-S3 junos:22.4R3-S1 junos:23.2R2 junos:23.4R1-S1 junos:23.4R2 junos:24.1R1</p>
PR Number	Synopsis	Category: Bug and Review Tracking for Segment routing traffic eng
<a href="#">1763406</a>	LDP traffic to destination route might be lost when TI-LFA is configured Product-Group=evo	<p>On all Junos and Junos OS Evolved platforms, when LDP tunnel over SR-TE route or over RSVP and LFA/rLFA/TI-LFA backup path for the same destination is configured, or if rLFA/LFA with L-ISIS as backup path is configured, the route to the destination is missing. LDP route for the destination is deleted because SR-TE LSP next hop is deleted by processing L-ISIS route with the backup path. Due to this LDP route gets deleted, LDP traffic to destination route is lost.</p> <p><i>Resolved In:</i> evo:21.4R3-S6-EVO evo:22.1R3-S5-EVO evo:22.3R3-S2-EVO evo:22.4R3-EVO evo:23.2R2-EVO evo:23.4R1-EVO evo:23.4R2-EVO evo:24.1R1-EVO junos:21.4R3-S6 junos:22.1R3-S5 junos:22.3R3-S2 junos:22.4R3 junos:23.2R2 junos:23.4R1 junos:23.4R2 junos:24.1R1</p>
PR Number	Synopsis	Category: ZT/YT pfe l3 forwarding issues
<a href="#">1774127</a>	Memory leak for deactivation/activation of SCU Product-Group=evo	<p>On MX platforms with MPC10, MPC11, LC9600, and MX304-LMIC16, the heap memory leaks every time the SCU (source-class-usage) policy is removed i.e. removed and re-applied resulting in restart of the line card. Heap leak is proportional to the number of source classes or indices being removed by related policy.</p> <p><i>Resolved In:</i> evo:23.4R2-EVO evo:24.1R1-EVO junos:20.4R3-S10 junos:21.4R3-S6 junos:22.1R3-S5 junos:22.2R3-J9 junos:22.2R3-S3 junos:22.3R3-S2 junos:22.4R3 junos:23.2R2 junos:23.4R1 junos:23.4R2 junos:24.1R1</p>
PR Number	Synopsis	Category: Trio pfe bridging, learning, stp, oam, irb software
<a href="#">1781673</a>	L2 control packets may be dropped on JUNOS devices in VPLS scenario on certain MX platforms Product-Group=evo	<p>On certain Junos MX platforms, in the VPLS (Virtual Private LAN Service ) scenario, the L2 (Layer 2) control packets with a multicast destination MAC (Media Access Control) address are dropped if they arrive on the VPLS core-facing interface placed on MPC (Modular PIC Concentrator)10/MPC11 linecards or MX304 router</p> <p><i>Resolved In:</i> evo:23.2R2-EVO evo:23.4R2-EVO evo:24.1R1-EVO junos:21.2R3-S7 junos:21.4R3-S6 junos:22.1R3-S5 junos:22.4R3-S1 junos:23.2R2 junos:23.4R2 junos:24.1R1</p>

<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Ephemeral Database</b>
<a href="#">1751141</a>	Load replace via XML NetConf will not work Product-Group=evo	On all Junos and Junos OS Evolved platforms, the load replace operation through XML NetConf will fail.  <i>Resolved In:</i> evo:22.3R2-S2-EVO evo:22.3R3-S1-EVO evo:22.3X50-EVO evo:22.4R3-EVO evo:23.2R2-EVO evo:23.3R2-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:21.4R3-S6 junos:21.4R3-S7 junos:22.1R3-S6 junos:22.2R3-S3 junos:22.3R2-S2 junos:22.3R3-S2 junos:22.4R2-S2 junos:22.4R3 junos:23.2R1-S2 junos:23.2R2 junos:23.3R2 junos:23.4R1 junos:24.1R1
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: UI Infrastructure - mgd, DAX API, DDL/ODL</b>
<a href="#">1740289</a>	The 'load replace' operation might result in mustd and mgd crash Product-Group=evo	On Junos and Junos Evolved platforms with 'apply-group' configured, the mustd and mgd processes might crash when the 'load replace' operation is performed. When this happens, 'apply-groups' will get deleted internally and the respective hierarchies will not be notified.  <i>Resolved In:</i> evo:21.3R3-S5-EVO evo:21.4R3-S4-J5-EVO evo:21.4R3-S5-EVO evo:21.4X1-EVO evo:22.3R2-S2-EVO evo:22.3R3-S1-EVO evo:22.3X50-EVO evo:22.3X80-D39-EVO evo:22.3X80-D40-EVO evo:22.4R3-EVO evo:23.2R1-S1-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO evo:24.1R1-EVO junos:20.3X75-D36 junos:20.3X75-D52 junos:20.4R3-S9 junos:21.2R3-S7 junos:21.2X32-D20 junos:21.3R3-S5 junos:21.4R3-S5 junos:22.1R3-S4 junos:22.2R3-S3 junos:22.3R2-S2 junos:22.3R3-S1 junos:22.4R2-S2 junos:22.4R3 junos:23.2R1-S1 junos:23.2R1-S2 junos:23.2R2 junos:23.3R1 junos:23.4R1
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: ACX724 platform issues</b>
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: PFE COS features on ZX based platforms</b>
<a href="#">1733509</a>	In TCP flow, the initial SYN+ACK packet will not be marked with specified CoS related action on Junos Evolved platforms Product-Group=evo	On all Junos Evolved platforms the first SYN+ACK packet in the TCP (Transmission Control Protocol) flow will not be marked with the action of the CoS (Class of Service) configuration. This issue is seen when the firewall filter is configured on the loopback outbound interface. Ideally there is no impact on data traffic because of this issue, but in rare cases peer device can drop the SYN + ACK packet.  <i>Resolved In:</i> evo:21.4R3-S5-EVO evo:21.4X1-EVO evo:22.3X50-EVO evo:22.3X80-D35-EVO evo:22.3X80-D36-EVO evo:22.4R3-EVO evo:23.2R1-EVO evo:23.2R2-EVO evo:23.3R1-EVO evo:23.4R1-EVO junos:22.4R3 junos:23.1R2 junos:23.2R2 junos:23.3R1 junos:23.4R1
<b>PR Number</b>	<b>Synopsis</b>	<b>Category: Express ZX PFE L3 Features</b>