



CVE-2020-1651

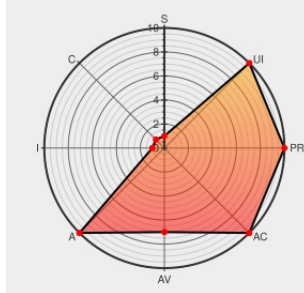
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CVE-2020-1651 - advisory for JSA11038

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



Certain versions of [Junos](#) from [Juniper](#) contain the following vulnerability:

On Juniper Networks MX series, receipt of a stream of specific Layer 2 frames may cause a memory leak resulting in the packet forwarding engine (PFE) on the line card to crash and restart, causing traffic interruption. By continuously sending this stream of specific layer 2 frame, an attacker connected to the same broadcast domain can

repeatedly crash the PFE, causing a prolonged Denial of Service (DoS). This issue affects Juniper Networks Junos OS on MX Series: 17.2 versions prior to 17.2R3-S4; 17.2X75 versions prior to 17.2X75-D105.19; 17.3 versions prior to 17.3R3-S7; 17.4 versions prior to 17.4R1-S3, 17.4R2; 18.1 versions prior to 18.1R2. This issue does not affect Juniper Networks Junos OS releases prior to 17.2R1.

CVE-2020-1651 has been assigned by [J sirt@juniper.net](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Juniper SIRT is not aware of any malicious exploitation of this vulnerability.

Vulnerability Patch/Work Around

There are no available workarounds for this issue.

CVSS3 Score: **6.5 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
ADJACENT_NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **3.3 - LOW**

Access Vector	Access Complexity	Authentication
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ADJACENT_NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
2020-07 Security Bulletin: Junos OS: MX Series: PFE on the line card may crash due to memory leak. (CVE-2020-1651) - Juniper Networks	Vendor Advisory kb.juniper.net text/html	 CONFIRM kb.juniper.net/JSA11038

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Juniper	Junos	17.2	-	All	All
Operating System	Juniper	Junos	17.2	r1	All	All
Operating System	Juniper	Junos	17.2	r1-s1	All	All
Operating System	Juniper	Junos	17.2	r1-s2	All	All
Operating System	Juniper	Junos	17.2	r1-s3	All	All
Operating System	Juniper	Junos	17.2	r1-s4	All	All
Operating System	Juniper	Junos	17.2	r1-s5	All	All
Operating System	Juniper	Junos	17.2	r1-s7	All	All
Operating System	Juniper	Junos	17.2	r1-s8	All	All
Operating System	Juniper	Junos	17.2	r2	All	All
Operating System	Juniper	Junos	17.2	r2-s11	All	All
Operating System	Juniper	Junos	17.2	r2-s6	All	All
Operating	Juniper	Junos	17.2	r2-s7	All	All

System						
Operating System	Juniper	Junos	17.2	r3-s1	All	All
Operating System	Juniper	Junos	17.2	r3-s2	All	All
Operating System	Juniper	Junos	17.2	r3-s3	All	All
Operating System	Juniper	Junos	17.2x75	-	All	All
Operating System	Juniper	Junos	17.2x75	d102	All	All
Operating System	Juniper	Junos	17.2x75	d50	All	All
Operating System	Juniper	Junos	17.2x75	d70	All	All
Operating System	Juniper	Junos	17.2x75	d92	All	All
Operating System	Juniper	Junos	17.3	-	All	All
Operating System	Juniper	Junos	17.3	r1-s1	All	All
Operating System	Juniper	Junos	17.3	r2	All	All
Operating System	Juniper	Junos	17.3	r2-s1	All	All
Operating System	Juniper	Junos	17.3	r2-s2	All	All
Operating System	Juniper	Junos	17.3	r2-s3	All	All
Operating System	Juniper	Junos	17.3	r2-s4	All	All
Operating System	Juniper	Junos	17.3	r3	-	All
Operating System	Juniper	Junos	17.3	r3-s1	All	All
Operating System	Juniper	Junos	17.3	r3-s2	All	All
Operating System	Juniper	Junos	17.3	r3-s3	All	All
Operating System	Juniper	Junos	17.3	r3-s4	All	All
Operating System	Juniper	Junos	17.4	-	All	All
Operating System	Juniper	Junos	17.4	r1	All	All
Operating	Juniper	Junos	17.4	r1-s1	All	All

System						
Operating System	Juniper	Junos	17.4	r1-s2	All	All
Operating System	Juniper	Junos	18.1	-	All	All
Operating System	Juniper	Junos	18.1	r1	All	All
Operating System	Juniper	Junos	17.2	-	All	All
Operating System	Juniper	Junos	17.2	r1	All	All
Operating System	Juniper	Junos	17.2	r1-s1	All	All
Operating System	Juniper	Junos	17.2	r1-s2	All	All
Operating System	Juniper	Junos	17.2	r1-s3	All	All
Operating System	Juniper	Junos	17.2	r1-s4	All	All
Operating System	Juniper	Junos	17.2	r1-s5	All	All
Operating System	Juniper	Junos	17.2	r1-s7	All	All
Operating System	Juniper	Junos	17.2	r1-s8	All	All
Operating System	Juniper	Junos	17.2	r2	All	All
Operating System	Juniper	Junos	17.2	r2-s11	All	All
Operating System	Juniper	Junos	17.2	r2-s6	All	All
Operating System	Juniper	Junos	17.2	r2-s7	All	All
Operating System	Juniper	Junos	17.2	r3-s1	All	All
Operating System	Juniper	Junos	17.2	r3-s2	All	All
Operating System	Juniper	Junos	17.2	r3-s3	All	All
Operating System	Juniper	Junos	17.2x75	-	All	All
Operating System	Juniper	Junos	17.2x75	d102	All	All
Operating System	Juniper	Junos	17.2x75	d50	All	All
Operating	Juniper	Junos	17.2x75	d70	All	All

System						
Operating System	Juniper	Junos	17.2x75	d92	All	All
Operating System	Juniper	Junos	17.3	-	All	All
Operating System	Juniper	Junos	17.3	r1-s1	All	All
Operating System	Juniper	Junos	17.3	r2	All	All
Operating System	Juniper	Junos	17.3	r2-s1	All	All
Operating System	Juniper	Junos	17.3	r2-s2	All	All
Operating System	Juniper	Junos	17.3	r2-s3	All	All
Operating System	Juniper	Junos	17.3	r2-s4	All	All
Operating System	Juniper	Junos	17.3	r3	-	All
Operating System	Juniper	Junos	17.3	r3-s1	All	All
Operating System	Juniper	Junos	17.3	r3-s2	All	All
Operating System	Juniper	Junos	17.3	r3-s3	All	All
Operating System	Juniper	Junos	17.3	r3-s4	All	All
Operating System	Juniper	Junos	17.4	-	All	All
Operating System	Juniper	Junos	17.4	r1	All	All
Operating System	Juniper	Junos	17.4	r1-s1	All	All
Operating System	Juniper	Junos	17.4	r1-s2	All	All
Operating System	Juniper	Junos	18.1	-	All	All
Operating System	Juniper	Junos	18.1	r1	All	All
Hardware 	Juniper	Mx10	-	All	All	All
Hardware 	Juniper	Mx10	-	All	All	All
Hardware 	Juniper	Mx10000	-	All	All	All
Hardware 	Juniper	Mx10000	-	All	All	All
Hardware 	Juniper	Mx10003	-	All	All	All

Hardware  	Juniper	Mx10003	-	All	All	All
Hardware  	Juniper	Mx104	-	All	All	All
Hardware  	Juniper	Mx104	-	All	All	All
Hardware  	Juniper	Mx150	-	All	All	All
Hardware  	Juniper	Mx150	-	All	All	All
Hardware  	Juniper	Mx2008	-	All	All	All
Hardware  	Juniper	Mx2008	-	All	All	All
Hardware  	Juniper	Mx2010	-	All	All	All
Hardware  	Juniper	Mx2010	-	All	All	All
Hardware  	Juniper	Mx2020	-	All	All	All
Hardware  	Juniper	Mx2020	-	All	All	All
Hardware  	Juniper	Mx204	-	All	All	All
Hardware  	Juniper	Mx204	-	All	All	All
Hardware  	Juniper	Mx240	-	All	All	All
Hardware  	Juniper	Mx240	-	All	All	All
Hardware  	Juniper	Mx40	-	All	All	All
Hardware  	Juniper	Mx40	-	All	All	All
Hardware  	Juniper	Mx480	-	All	All	All
Hardware  	Juniper	Mx480	-	All	All	All
Hardware  	Juniper	Mx5	-	All	All	All
Hardware  	Juniper	Mx5	-	All	All	All
Hardware  	Juniper	Mx80	-	All	All	All
Hardware  	Juniper	Mx80	-	All	All	All
Hardware  	Juniper	Mx960	-	All	All	All
Hardware  	Juniper	Mx960	-	All	All	All

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cpe:2.3:o:juniper:junos:17.2:r1-s7:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:17.2:r1-s8:~::~~::~~::~~::
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cpe:2.3:o:juniper:junos:17.2:r2-s6:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:17.2:r2-s7:~::~~::~~::~~::
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cpe:2.3:o:juniper:junos:17.2x75:d70:~::~~::~~::~~::
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cpe:2.3:o:juniper:junos:17.3:r1-s1:~::~~::~~::~~::~~::~~::


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cpe:2.3:o:juniper:junos:17.3:r2:*:*:*:*:*:
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cpe:2.3:h:juniper:mx2008:-:*:*:*:*:*:*:

cpe:2.3:h:juniper:mx2008:-:*:*:*:*:*:*:

[illegible]

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cpe:2.3:h:juniper:mx2020:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:juniper:mx2020:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:juniper:mx204:-:~::~~::~~::~~::~~::~~::~~::
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cpe:2.3:h:juniper:mx40:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:juniper:mx480:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:juniper:mx480:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:juniper:mx5:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:juniper:mx5:-:~::~~::~~::~~::~~::~~::~~::
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cpe:2.3:h:juniper:mx80:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:juniper:mx960:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:juniper:mx960:-:~::~~::~~::~~::~~::~~::~~::

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @softek_jp	Juniper Networks MX シリーズの Junos OS にサービスを妨害される問題 (CVE-2020-1651) [40330] sid.softek.jp/content/show/4... #SIDfm #脆弱性情報	2021-10-25 02:30:40

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