



CVE-2020-1650

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CVE-2020-1650 - advisory for JSA11037

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

CVSS:31/AV:N/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 Junos MX Series with service card configured, receipt of a stream of specific packets may crash the MS-PIC component on MS-MIC or MS-MPC. By continuously sending these specific packets, an attacker can repeatedly bring down MS-PIC on MS-MIC/MS-MPC causing a prolonged Denial of Service. This issue

affects MX Series devices using MS-PIC, MS-MIC or MS-MPC service cards with any service configured. This issue affects Juniper Networks Junos OS on MX Series: 17.2R2-S7; 17.3R3-S4, 17.3R3-S5; 17.4R2-S4 and the subsequent SRs (17.4R2-S5, 17.4R2-S6, etc.); 17.4R3; 18.1R3-S3, 18.1R3-S4, 18.1R3-S5, 18.1R3-S6, 18.1R3-S7, 18.1R3-S8; 18.2R3, 18.2R3-S1, 18.2R3-S2; 18.3R2 and the SRs based on 18.3R2; 18.4R2 and the SRs based on 18.4R2; 19.1R1 and the SRs based on 19.1R1; 19.2R1 and the SRs based on 19.2R1; 19.3R1 and the SRs based on 19.3R1.

CVE-2020-1650 has been assigned by [JJ](#) sirt@juniper.net to track the vulnerability - currently rated as **HIGH** severity.

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

Vulnerability Patch/Work Around

There are no known workarounds for this issue.

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
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: Denial of Service vulnerability in MS-PIC component on MS-MIC or MS-MPC (CVE-2020-1650) - Juniper Networks	Vendor Advisory kb.juniper.net text/html	 CONFIRM kb.juniper.net/JSA11037

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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	r2-s7	All	All
Operating System	Juniper	Junos	17.4	r2-s4	All	All
Operating System	Juniper	Junos	17.4	r2-s5	All	All
Operating System	Juniper	Junos	17.4	r2-s6	All	All
Operating System	Juniper	Junos	17.4	r2-s7	All	All
Operating System	Juniper	Junos	17.4	r2-s8	All	All
Operating System	Juniper	Junos	17.4	r2-s9	All	All
Operating System	Juniper	Junos	17.4	r3	All	All
Operating System	Juniper	Junos	18.1	r1	All	All
Operating System	Juniper	Junos	18.1	r2	All	All
Operating System	Juniper	Junos	18.1	r3-s3	All	All
Operating	Juniper	Junos	18.1	r3-s4	All	All

System						
Operating System	Juniper	Junos	18.1	r3-s5	All	All
Operating System	Juniper	Junos	18.1	r3-s6	All	All
Operating System	Juniper	Junos	18.1	r3-s7	All	All
Operating System	Juniper	Junos	18.1	r3-s8	All	All
Operating System	Juniper	Junos	18.2	r1	All	All
Operating System	Juniper	Junos	18.2	r1-s3	All	All
Operating System	Juniper	Junos	18.2	r1-s4	All	All
Operating System	Juniper	Junos	18.2	r2	All	All
Operating System	Juniper	Junos	18.2	r3	All	All
Operating System	Juniper	Junos	18.2	r3-s1	All	All
Operating System	Juniper	Junos	18.2	r3-s2	All	All
Operating System	Juniper	Junos	18.3	r2	All	All
Operating System	Juniper	Junos	18.3	r2-s1	All	All
Operating System	Juniper	Junos	18.3	r2-s2	All	All
Operating System	Juniper	Junos	18.3	r2-s3	All	All
Operating System	Juniper	Junos	18.4	r2	All	All
Operating System	Juniper	Junos	18.4	r2-s1	All	All
Operating System	Juniper	Junos	18.4	r2-s2	All	All
Operating System	Juniper	Junos	18.4	r2-s3	All	All
Operating System	Juniper	Junos	19.1	r1	All	All
Operating System	Juniper	Junos	19.1	r1-s1	All	All
Operating System	Juniper	Junos	19.1	r1-s2	All	All
Operating	Juniper	Junos	19.1	r1-s3	All	All

System						
Operating System	Juniper	Junos	19.2	r1	All	All
Operating System	Juniper	Junos	19.2	r1-s1	All	All
Operating System	Juniper	Junos	19.2	r1-s2	All	All
Operating System	Juniper	Junos	19.3	r1	All	All
Operating System	Juniper	Junos	19.3	r1-s1	All	All
Operating System	Juniper	Junos	17.2	r2-s7	All	All
Operating System	Juniper	Junos	17.4	r2-s4	All	All
Operating System	Juniper	Junos	17.4	r2-s5	All	All
Operating System	Juniper	Junos	17.4	r2-s6	All	All
Operating System	Juniper	Junos	17.4	r2-s7	All	All
Operating System	Juniper	Junos	17.4	r2-s8	All	All
Operating System	Juniper	Junos	17.4	r2-s9	All	All
Operating System	Juniper	Junos	17.4	r3	All	All
Operating System	Juniper	Junos	18.1	r1	All	All
Operating System	Juniper	Junos	18.1	r2	All	All
Operating System	Juniper	Junos	18.1	r3-s3	All	All
Operating System	Juniper	Junos	18.1	r3-s4	All	All
Operating System	Juniper	Junos	18.1	r3-s5	All	All
Operating System	Juniper	Junos	18.1	r3-s6	All	All
Operating System	Juniper	Junos	18.1	r3-s7	All	All
Operating System	Juniper	Junos	18.1	r3-s8	All	All
Operating System	Juniper	Junos	18.2	r1	All	All
Operating System	Juniper	Junos	18.2	r1-s3	All	All

Operating System	Vendor	Series	Version	Part No.	Part No.	Part No.
Operating System	Juniper	Junos	18.2	r1-s4	All	All
Operating System	Juniper	Junos	18.2	r2	All	All
Operating System	Juniper	Junos	18.2	r3	All	All
Operating System	Juniper	Junos	18.2	r3-s1	All	All
Operating System	Juniper	Junos	18.2	r3-s2	All	All
Operating System	Juniper	Junos	18.3	r2	All	All
Operating System	Juniper	Junos	18.3	r2-s1	All	All
Operating System	Juniper	Junos	18.3	r2-s2	All	All
Operating System	Juniper	Junos	18.3	r2-s3	All	All
Operating System	Juniper	Junos	18.4	r2	All	All
Operating System	Juniper	Junos	18.4	r2-s1	All	All
Operating System	Juniper	Junos	18.4	r2-s2	All	All
Operating System	Juniper	Junos	18.4	r2-s3	All	All
Operating System	Juniper	Junos	19.1	r1	All	All
Operating System	Juniper	Junos	19.1	r1-s1	All	All
Operating System	Juniper	Junos	19.1	r1-s2	All	All
Operating System	Juniper	Junos	19.1	r1-s3	All	All
Operating System	Juniper	Junos	19.2	r1	All	All
Operating System	Juniper	Junos	19.2	r1-s1	All	All
Operating System	Juniper	Junos	19.2	r1-s2	All	All
Operating System	Juniper	Junos	19.3	r1	All	All
Operating System	Juniper	Junos	19.3	r1-s1	All	All
Hardware	r2	MX10		All	All	All


```
cpe:2.3:o:juniper:junos:17.4:r2-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:17.4:r2-s5:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:17.4:r2-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:17.4:r2-s7:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:17.4:r2-s8:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:17.4:r2-s9:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:17.4:r3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r3-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r3-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r3-s5:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r3-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r3-s7:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r3-s8:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.2:r1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.2:r1-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.2:r1-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.2:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.2:r3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.2:r3-s1:*.*.*.*.*.:
```

```
cpe:2.3:o:juniper:junos:18.2:r3-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.3:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.3:r2-s1:*.*.*.*.*.:
```

```
cpe:2.3:o:juniper:junos:18.3:r2-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.3:r2-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.4:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.4:r2-s1:*.*.*.*.*.:
```

cpe:2.3:o:juniper:junos:18.4:r2-s2:*:*:*:*:*:

cpe:2.3:o:juniper:junos:18.4:r2-s3:*****:
cpe:2.3:o:juniper:junos:19.1:r1:*****:
cpe:2.3:o:juniper:junos:19.1:r1-s1:*****:
cpe:2.3:o:juniper:junos:19.1:r1-s2:*****:
cpe:2.3:o:juniper:junos:19.1:r1-s3:*****:
cpe:2.3:o:juniper:junos:19.2:r1:*****:
cpe:2.3:o:juniper:junos:19.2:r1-s1:*****:
cpe:2.3:o:juniper:junos:19.2:r1-s2:*****:
cpe:2.3:o:juniper:junos:19.3:r1:*****:
cpe:2.3:o:juniper:junos:19.3:r1-s1:*****:
cpe:2.3:o:juniper:junos:17.2:r2-s7:*****:
cpe:2.3:o:juniper:junos:17.4:r2-s4:*****:
cpe:2.3:o:juniper:junos:17.4:r2-s5:*****:
cpe:2.3:o:juniper:junos:17.4:r2-s6:*****:
cpe:2.3:o:juniper:junos:17.4:r2-s7:*****:
cpe:2.3:o:juniper:junos:17.4:r2-s8:*****:
cpe:2.3:o:juniper:junos:17.4:r2-s9:*****:
cpe:2.3:o:juniper:junos:17.4:r3:*****:
cpe:2.3:o:juniper:junos:18.1:r1:*****:
cpe:2.3:o:juniper:junos:18.1:r2:*****:
cpe:2.3:o:juniper:junos:18.1:r3-s3:*****:
cpe:2.3:o:juniper:junos:18.1:r3-s4:*****:
cpe:2.3:o:juniper:junos:18.1:r3-s5:*****:
cpe:2.3:o:juniper:junos:18.1:r3-s6:*****:
cpe:2.3:o:juniper:junos:18.1:r3-s7:*****:
cpe:2.3:o:juniper:junos:18.1:r3-s8:*****:
cpe:2.3:o:juniper:junos:18.2:r1:*****:
cpe:2.3:o:juniper:junos:18.2:r1-s3:*****:

cpe:2.3:o:juniper:junos:18.2:r1-s4:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.2:r2:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.2:r3:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.2:r3-s1:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.2:r3-s2:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.3:r2:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.3:r2-s1:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.3:r2-s2:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.3:r2-s3:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.4:r2:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.4:r2-s1:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.4:r2-s2:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:18.4:r2-s3:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.1:r1:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.1:r1-s1:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.1:r1-s2:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.1:r1-s3:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.2:r1:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.2:r1-s1:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.2:r1-s2:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.3:r1:~::~~::~~::~~::~::
cpe:2.3:o:juniper:junos:19.3:r1-s1:~::~~::~~::~~::~::
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cpe:2.3:h:juniper:mx10:-:~::~~::~~::~~::~::
cpe:2.3:h:juniper:mx10000:-:~::~~::~~::~~::~::
cpe:2.3:h:juniper:mx10000:-:~::~~::~~::~~::~::
cpe:2.3:h:juniper:mx10003:-:~::~~::~~::~~::~::
cpe:2.3:h:juniper:mx10003:-:~::~~::~~::~~::~::
cpe:2.3:h:juniper:mx104:-:~::~~::~~::~~::~::

cpe:2.3:h:juniper:mx104:-:~::~~::~~::~~::~~::~~::~~:::
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cpe:2.3:h:juniper:mx150:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx2008:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx2008:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx2010:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx2010:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx2020:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx2020:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx204:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx204:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx240:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx240:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx40:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx40:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx480:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx480:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx5:-:~::~~::~~::~~::~~::~~::~~:::
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cpe:2.3:h:juniper:mx960:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:juniper:mx960:-:~::~~::~~::~~::~~::~~::~~:::

No vendor comments have been submitted for this CVE

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