



CVE-2023-22391

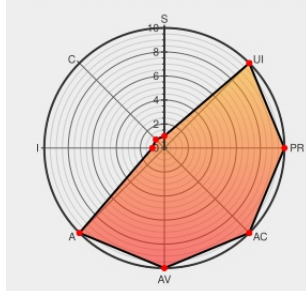
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CVE-2023-22391 - advisory for JSA70187

[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:

A vulnerability in class-of-service (CoS) queue management in Juniper Networks Junos OS on the ACX2K Series devices allows an unauthenticated network-based attacker to cause a Denial of Service (DoS). Specific packets are being incorrectly routed to a queue used for other high-priority traffic such as BGP, PIM, ICMP, ICMPV6 ND and

ISAKMP. Due to this misclassification of traffic, receipt of a high rate of these specific packets will cause delays in the processing of other traffic, leading to a Denial of Service (DoS). Continued receipt of this amount of traffic will create a sustained Denial of Service (DoS) condition. This issue affects Juniper Networks Junos OS on ACX2K Series: All versions prior to 19.4R3-S9; All 20.2 versions; 20.3 versions prior to 20.3R3-S6 on ACX2K Series; 20.4 versions prior to 20.4R3-S4 on ACX2K Series; All 21.1 versions; 21.2 versions prior to 21.2R3-S3 on ACX2K Series. Note: This issues affects legacy ACX2K Series PPC-based devices. This platform reached Last Supported Version (LSV) as of the Junos OS 21.2 Release.

CVE-2023-22391 has been assigned by [J 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

CVE References

Description

Tags

Link

CEC Juniper Community

kb.juniper.net

text/html

CONFIRM

kb.juniper.net/JSA70187

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Related QID Numbers

43964 Juniper Network Operating System (Junos OS) Denial of Service (DoS) Vulnerability (JSA70187)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Juniper	Junos	All	All	All	All
Operating System	Juniper	Junos	19.4	-	All	All
Operating System	Juniper	Junos	19.4	r1	All	All
Operating System	Juniper	Junos	19.4	r1-s1	All	All
Operating System	Juniper	Junos	19.4	r1-s2	All	All
Operating System	Juniper	Junos	19.4	r1-s3	All	All
Operating System	Juniper	Junos	19.4	r1-s4	All	All
Operating System	Juniper	Junos	19.4	r2	All	All
Operating System	Juniper	Junos	19.4	r2-s1	All	All
Operating System	Juniper	Junos	19.4	r2-s2	All	All
Operating System	Juniper	Junos	19.4	r2-s3	All	All
Operating System	Juniper	Junos	19.4	r2-s4	All	All
Operating System	Juniper	Junos	19.4	r2-s5	All	All
Operating System	Juniper	Junos	19.4	r3-s7	All	All

Operating System	Juniper	Junos	19.4	r3-s8	All	All
Operating System	Juniper	Junos	20.2	-	All	All
Operating System	Juniper	Junos	20.2	r1	All	All
Operating System	Juniper	Junos	20.2	r1-s1	All	All
Operating System	Juniper	Junos	20.2	r1-s2	All	All
Operating System	Juniper	Junos	20.2	r1-s3	All	All
Operating System	Juniper	Junos	20.2	r2	All	All
Operating System	Juniper	Junos	20.2	r2-s1	All	All
Operating System	Juniper	Junos	20.2	r2-s2	All	All
Operating System	Juniper	Junos	20.2	r2-s3	All	All
Operating System	Juniper	Junos	20.2	r3	All	All
Operating System	Juniper	Junos	20.2	r3-s1	All	All
Operating System	Juniper	Junos	20.2	r3-s2	All	All
Operating System	Juniper	Junos	20.2	r3-s3	All	All
Operating System	Juniper	Junos	20.2	r3-s4	All	All
Operating System	Juniper	Junos	20.2	r3-s5	All	All
Operating System	Juniper	Junos	20.2	r3-s6	All	All
Operating System	Juniper	Junos	20.3	-	All	All
Operating System	Juniper	Junos	20.3	r1	All	All
Operating System	Juniper	Junos	20.3	r1-s1	All	All
Operating System	Juniper	Junos	20.3	r1-s2	All	All
Operating System	Juniper	Junos	20.3	r2	All	All
Operating System	Juniper	Junos	20.3	r2-s1	All	All

Operating System	Juniper	Junos	20.3	r3	All	All
Operating System	Juniper	Junos	20.3	r3-s1	All	All
Operating System	Juniper	Junos	20.3	r3-s2	All	All
Operating System	Juniper	Junos	20.3	r3-s3	All	All
Operating System	Juniper	Junos	20.3	r3-s4	All	All
Operating System	Juniper	Junos	20.3	r3-s5	All	All
Operating System	Juniper	Junos	20.4	-	All	All
Operating System	Juniper	Junos	20.4	r1	All	All
Operating System	Juniper	Junos	20.4	r1-s1	All	All
Operating System	Juniper	Junos	20.4	r2	All	All
Operating System	Juniper	Junos	20.4	r2-s1	All	All
Operating System	Juniper	Junos	20.4	r2-s2	All	All
Operating System	Juniper	Junos	20.4	r3	All	All
Operating System	Juniper	Junos	20.4	r3-s1	All	All
Operating System	Juniper	Junos	20.4	r3-s2	All	All
Operating System	Juniper	Junos	20.4	r3-s3	All	All
Operating System	Juniper	Junos	21.1	-	All	All
Operating System	Juniper	Junos	21.1	r1	All	All
Operating System	Juniper	Junos	21.1	r1-s1	All	All
Operating System	Juniper	Junos	21.1	r2	All	All
Operating System	Juniper	Junos	21.1	r2-s1	All	All
Operating System	Juniper	Junos	21.1	r2-s2	All	All
Operating System	Juniper	Junos	21.1	r3	All	All

Operating System	Juniper	Junos	21.1	r3-s1	All	All
Operating System	Juniper	Junos	21.1	r3-s2	All	All
Operating System	Juniper	Junos	21.1	r3-s4	All	All
Operating System	Juniper	Junos	21.2	-	All	All
Operating System	Juniper	Junos	21.2	r1	All	All
Operating System	Juniper	Junos	21.2	r1-s1	All	All
Operating System	Juniper	Junos	21.2	r1-s2	All	All
Operating System	Juniper	Junos	21.2	r2	All	All
Operating System	Juniper	Junos	21.2	r2-s1	All	All
Operating System	Juniper	Junos	21.2	r2-s2	All	All
Operating System	Juniper	Junos	21.2	r3	All	All
Operating System	Juniper	Junos	21.2	r3-s1	All	All
Operating System	Juniper	Junos	21.2	r3-s2	All	All
cpe:2.3:o:juniper:junos:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:-:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r1:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r1-s1:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r1-s2:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r1-s3:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r1-s4:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r2:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r2-s1:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r2-s2:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r2-s3:*:*:*:*:						
cpe:2.3:o:juniper:junos:19.4:r2-s4:*:*:*:*:						

cpe:2.3:o:juniper:junos:19.4:r2-s5:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:19.4:r3-s7:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:19.4:r3-s8:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:-:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r1:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r1-s1:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r1-s2:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r1-s3:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r2:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r2-s1:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r2-s2:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r2-s3:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r3:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r3-s1:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r3-s2:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r3-s3:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r3-s4:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r3-s5:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.2:r3-s6:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:-:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r1:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r1-s1:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r1-s2:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r2:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r2-s1:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r3:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r3-s1:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r3-s2:~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:20.3:r3-s3:~::~~::~~::~~::~~::

```
cpe:2.3:o:juniper:junos:20.3:r3-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.3:r3-s5:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:-:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r1-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r2-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r2-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r3-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r3-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r3-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.1:-:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.1:r1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.1:r1-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.1:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.1:r2-s1:*:*:*:*:*:
```

cpe:2.3:o:juniper:junos:21.1:r2-s2:*:*:*:*:*:

```
cpe:2.3:o:juniper:junos:21.1:r3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.1:r3-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.1:r3-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.1:r3-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.2:-:*:*:*:*:*:
```

cpe:2.3:o:juniper:junos:21.2:r1:*:*:*:*:*:

```
cpe:2.3:o:juniper:junos:21.2:r1-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.2:r1-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.2:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:21.2:r2-s1:*:*:*:*:*:
```

cpe:2.3:o:juniper:junos:21.2:r2-s2:*****:

cpe:2.3:o:juniper:junos:21.2:r3:*****:

cpe:2.3:o:juniper:junos:21.2:r3-s1:*****:

cpe:2.3:o:juniper:junos:21.2:r3-s2:*****:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVereport	CVE-2023-22391 : A vulnerability in class-of-service CoS queue management in Juniper Networks Junos OS on the ACX... twitter.com/i/web/status/1...	2023-01-12 23:54:08

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