



CVE-2023-44182

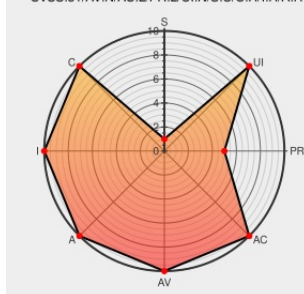
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CVE-2023-44182 - advisory for JSA73149

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

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



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

An Unchecked Return Value vulnerability in the user interfaces to the Juniper Networks Junos OS and Junos OS Evolved, the CLI, the XML API, the XML Management Protocol, the NETCONF Management Protocol, the gNMI interfaces, and the J-Web User Interfaces causes unintended effects such as demotion or elevation of privileges

associated with an operators actions to occur. Multiple scenarios may occur; for example: privilege escalation over the device or another account, access to files that should not otherwise be accessible, files not being accessible where they should be accessible, code expected to run as non-root may run as root, and so forth. This issue affects: Juniper Networks Junos OS * All versions prior to 20.4R3-S7; * 21.1 versions prior to 21.1R3-S5; * 21.2 versions prior to 21.2R3-S5; * 21.3 versions prior to 21.3R3-S4; * 21.4 versions prior to 21.4R3-S3; * 22.1 versions prior to 22.1R3-S2; * 22.2 versions prior to 22.2R2-S2, 22.2R3; * 22.3 versions prior to 22.3R1-S2, 22.3R2. Juniper Networks Junos OS Evolved * All versions prior to 21.4R3-S3-EVO; * 22.1-EVO version 22.1R1-EVO and later versions prior to 22.2R2-S2-EVO, 22.2R3-EVO; * 22.3-EVO versions prior to 22.3R1-S2-EVO, 22.3R2-EVO.

CVE-2023-44182 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. Methods that may reduce, but not eliminate, the risk of exploitation of these problems, and which do not mitigate or resolve the underlying problems include: • Discontinuing the use of any unnecessary administrative interfaces to the system • Using access lists or firewall filters to limit access to the device only from trusted users, hosts, and networks • Limiting the number of changes performed to a device through administrative interfaces • Reducing the frequency of unique telemetry events

CVSS3 Score: **8.8 - HIGH**

Attack
Vector

Attack
Complexity

Privileges
Required

User
Interaction

NETWORK	LOW	LOW	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVE References

Description	Tags	Link
User Interfaces to the Junos OS - Technical Documentation - Support - Juniper Networks	www.juniper.net text/xml	J MISC www.juniper.net/documentation/en_US/junos/topics/concept/junos-software-user-interfaces-overview.html
CEC Juniper Community	supportportal.juniper.net text/html	MISC supportportal.juniper.net/JSA73149
Guidelines for gRPC and gNMI Sensors (Junos Telemetry Interface) Junos OS Juniper Networks	www.juniper.net text/xml	J MISC www.juniper.net/documentation/us/en/software/junos/interfaces-telemetry/topics/concept/junos-telemetry-interface-grpc-sensors.html

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

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	All	All	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

System							
Operating System	Juniper	Junos	20.4	r3-s3	All	All	
Operating System	Juniper	Junos	20.4	r3-s4	All	All	
Operating System	Juniper	Junos	20.4	r3-s5	All	All	
Operating System	Juniper	Junos	20.4	r3-s6	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-s3	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	

System						
Operating System	Juniper	Junos	21.2	r3-s1	All	All
Operating System	Juniper	Junos	21.2	r3-s2	All	All
Operating System	Juniper	Junos	21.2	r3-s3	All	All
Operating System	Juniper	Junos	21.2	r3-s4	All	All
Operating System	Juniper	Junos	21.3	-	All	All
Operating System	Juniper	Junos	21.3	r1	All	All
Operating System	Juniper	Junos	21.3	r1-s1	All	All
Operating System	Juniper	Junos	21.3	r1-s2	All	All
Operating System	Juniper	Junos	21.3	r2	All	All
Operating System	Juniper	Junos	21.3	r2-s1	All	All
Operating System	Juniper	Junos	21.3	r2-s2	All	All
Operating System	Juniper	Junos	21.3	r3	All	All
Operating System	Juniper	Junos	21.3	r3-s1	All	All
Operating System	Juniper	Junos	21.3	r3-s2	All	All
Operating System	Juniper	Junos	21.3	r3-s3	All	All
Operating System	Juniper	Junos	21.4	-	All	All
Operating System	Juniper	Junos	21.4	r1	All	All
Operating System	Juniper	Junos	21.4	r1-s1	All	All
Operating System	Juniper	Junos	21.4	r1-s2	All	All
Operating System	Juniper	Junos	21.4	r2	All	All
Operating System	Juniper	Junos	21.4	r2-s1	All	All
Operating System	Juniper	Junos	21.4	r2-s2	All	All
Operating System	Juniper	Junos	21.4	r3	All	All

System						
Operating System	Juniper	Junos	21.4	r3-s1	All	All
Operating System	Juniper	Junos	21.4	r3-s2	All	All
Operating System	Juniper	Junos	22.1	-	All	All
Operating System	Juniper	Junos	22.1	r1	All	All
Operating System	Juniper	Junos	22.1	r1-s1	All	All
Operating System	Juniper	Junos	22.1	r1-s2	All	All
Operating System	Juniper	Junos	22.1	r2	All	All
Operating System	Juniper	Junos	22.1	r2-s1	All	All
Operating System	Juniper	Junos	22.1	r2-s2	All	All
Operating System	Juniper	Junos	22.1	r3	All	All
Operating System	Juniper	Junos	22.1	r3-s1	All	All
Operating System	Juniper	Junos	22.2	-	All	All
Operating System	Juniper	Junos	22.2	r1	All	All
Operating System	Juniper	Junos	22.2	r1-s1	All	All
Operating System	Juniper	Junos	22.2	r1-s2	All	All
Operating System	Juniper	Junos	22.2	r2	All	All
Operating System	Juniper	Junos	22.2	r2-s1	All	All
Operating System	Juniper	Junos	22.3	-	All	All
Operating System	Juniper	Junos	22.3	r1	All	All
Operating System	Juniper	Junos	22.3	r1-s1	All	All
Operating System	Juniper	Junos Os Evolved	All	All	All	All
Operating System	Juniper	Junos Os Evolved	21.4	-	All	All
Operating System	Juniper	Junos Os Evolved	21.4	r1	All	All

System						
Operating System	Juniper	Junos Os Evolved	21.4	r1-s1	All	All
Operating System	Juniper	Junos Os Evolved	21.4	r1-s2	All	All
Operating System	Juniper	Junos Os Evolved	21.4	r2	All	All
Operating System	Juniper	Junos Os Evolved	21.4	r2-s1	All	All
Operating System	Juniper	Junos Os Evolved	21.4	r2-s2	All	All
Operating System	Juniper	Junos Os Evolved	21.4	r3	All	All
Operating System	Juniper	Junos Os Evolved	21.4	r3-s1	All	All
Operating System	Juniper	Junos Os Evolved	21.4	r3-s2	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r1	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r1-s1	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r1-s2	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r2	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r2-s1	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r3	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r3-s1	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r3-s2	All	All
Operating System	Juniper	Junos Os Evolved	22.1	r3-s3	All	All
Operating System	Juniper	Junos Os Evolved	22.2	r1	All	All
Operating System	Juniper	Junos Os Evolved	22.2	r1-s1	All	All
Operating System	Juniper	Junos Os Evolved	22.2	r2	All	All
Operating System	Juniper	Junos Os Evolved	22.2	r2-s1	All	All
Operating System	Juniper	Junos Os Evolved	22.3	r1	All	All
Operating	Juniper	Junos Os Evolved	22.3	r1-s1	All	All

System

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

```
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:20.4:r3-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.4:r3-s5:*:*:*:*:*:
```

```
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```

```
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-s3:*:*:*:*:*:
```

```
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:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.2:r3-s3:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.2:r3-s4:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:-:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r1:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r1-s1:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r1-s2:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r2:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r2-s1:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r2-s2:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r3:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r3-s1:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r3-s2:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.3:r3-s3:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.4:-:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.4:r1:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.4:r1-s1:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.4:r1-s2:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.4:r2:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.4:r2-s1:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.4:r2-s2:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:21.4:r3:~::~~::~~::~~::~~::~~::

cpe:2.3:o:juniper:junos:21.4:r3-s1:~::~:
cpe:2.3:o:juniper:junos:21.4:r3-s2:~::~:
cpe:2.3:o:juniper:junos:22.1:-:~::~:
cpe:2.3:o:juniper:junos:22.1:r1:~::~:
cpe:2.3:o:juniper:junos:22.1:r1-s1:~::~:
cpe:2.3:o:juniper:junos:22.1:r1-s2:~::~:
cpe:2.3:o:juniper:junos:22.1:r2:~::~:
cpe:2.3:o:juniper:junos:22.1:r2-s1:~::~:
cpe:2.3:o:juniper:junos:22.1:r2-s2:~::~:
cpe:2.3:o:juniper:junos:22.1:r3:~::~:
cpe:2.3:o:juniper:junos:22.1:r3-s1:~::~:
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cpe:2.3:o:juniper:junos:22.2:r1:~::~:
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cpe:2.3:o:juniper:junos:22.2:r1-s2:~::~:
cpe:2.3:o:juniper:junos:22.2:r2:~::~:
cpe:2.3:o:juniper:junos:22.2:r2-s1:~::~:
cpe:2.3:o:juniper:junos:22.3:-:~::~:
cpe:2.3:o:juniper:junos:22.3:r1:~::~:
cpe:2.3:o:juniper:junos:22.3:r1-s1:~::~:
cpe:2.3:o:juniper:junos_os_evolved:~::~:
cpe:2.3:o:juniper:junos_os_evolved:21.4:-:~::~:
cpe:2.3:o:juniper:junos_os_evolved:21.4:r1:~::~:
cpe:2.3:o:juniper:junos_os_evolved:21.4:r1-s1:~::~:
cpe:2.3:o:juniper:junos_os_evolved:21.4:r1-s2:~::~:
cpe:2.3:o:juniper:junos_os_evolved:21.4:r2:~::~:
cpe:2.3:o:juniper:junos_os_evolved:21.4:r2-s1:~::~:
cpe:2.3:o:juniper:junos_os_evolved:21.4:r2-s2:~::~:
cpe:2.3:o:juniper:junos_os_evolved:21.4:r3:~::~:

cpe:2.3:o:juniper:junos_os_evolved:21.4:r3-s1:*****:
cpe:2.3:o:juniper:junos_os_evolved:21.4:r3-s2:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r1:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r1-s1:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r1-s2:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r2:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r2-s1:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r3:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r3-s1:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r3-s2:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.1:r3-s3:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.2:r1:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.2:r1-s1:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.2:r2:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.2:r2-s1:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.3:r1:*****:
cpe:2.3:o:juniper:junos_os_evolved:22.3:r1-s1:*****:

No vendor comments have been submitted for this CVE