



CVE-2022-22156

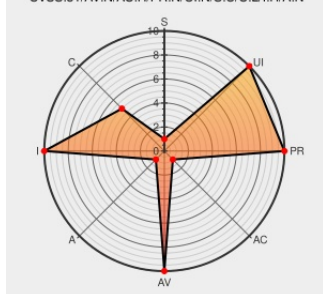
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CVE-2022-22156 - advisory for JSA11264

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

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



Certain versions of **Junos** from **Juniper** contain the following vulnerability:

An Improper Certificate Validation weakness in the Juniper Networks Junos OS allows an attacker to perform Person-in-the-Middle (PitM) attacks when a system script is fetched from a remote source at a specified HTTPS URL, which may compromise the integrity and confidentiality of the device. The following command can be executed

by an administrator via the CLI to refresh a script from a remote location, which is affected from this vulnerability: >request system scripts refresh-from (commit | event | extension-service | op | snmp) file filename url <https-url> This issue affects: Juniper Networks Junos OS All versions prior to 18.4R2-S9, 18.4R3-S9; 19.1 versions prior to 19.1R2-S3, 19.1R3-S7; 19.2 versions prior to 19.2R1-S7, 19.2R3-S3; 19.3 versions prior to 19.3R3-S4; 19.4 versions prior to 19.4R3-S7; 20.1 versions prior to 20.1R2-S2, 20.1R3; 20.2 versions prior to 20.2R3; 20.3 versions prior to 20.3R2-S1, 20.3R3; 20.4 versions prior to 20.4R2; 21.1 versions prior to 21.1R1-S1, 21.1R2.

CVE-2022-22156 has been assigned by [J SIRT](#) 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 viable workarounds for this issue.

CVSS3 Score: **7.4 - HIGH**

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

CVSS2 Score: 5.8 - MEDIUM						
Access Vector		Access Complexity		Authentication		
NETWORK		MEDIUM		NONE		
Confidentiality Impact		Integrity Impact		Availability Impact		
PARTIAL		PARTIAL		NONE		
CVE References						
Description				Tags	Link	
2022-01 Security Bulletin: Junos OS: Certificate validation is skipped when fetching system scripts from a HTTPS URL (CVE-2022-22156) - Juniper Networks				kb.juniper.net text/html	 CONFIRM kb.juniper.net/JSA11264	
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	18.4	-	All	All
Operating System	Juniper	Junos	18.4	r1	All	All
Operating System	Juniper	Junos	18.4	r1-s1	All	All
Operating System	Juniper	Junos	18.4	r1-s2	All	All
Operating System	Juniper	Junos	18.4	r1-s3	All	All
Operating System	Juniper	Junos	18.4	r1-s4	All	All
Operating System	Juniper	Junos	18.4	r1-s5	All	All
Operating System	Juniper	Junos	18.4	r1-s6	All	All
Operating System	Juniper	Junos	18.4	r1-s7	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-s2	All	All
Operating System	Juniper	Junos	18.4	r2-s3	All	All
Operating System	Juniper	Junos	18.4	r2-s4	All	All
Operating System	Juniper	Junos	18.4	r2-s5	All	All
Operating System	Juniper	Junos	18.4	r2-s6	All	All
Operating System	Juniper	Junos	18.4	r2-s7	All	All
Operating System	Juniper	Junos	18.4	r2-s8	All	All
Operating System	Juniper	Junos	18.4	r3	All	All
Operating System	Juniper	Junos	18.4	r3-s1	All	All
Operating System	Juniper	Junos	18.4	r3-s2	All	All
Operating System	Juniper	Junos	18.4	r3-s3	All	All
Operating System	Juniper	Junos	18.4	r3-s4	All	All
Operating System	Juniper	Junos	18.4	r3-s5	All	All
Operating System	Juniper	Junos	18.4	r3-s6	All	All
Operating System	Juniper	Junos	18.4	r3-s7	All	All
Operating System	Juniper	Junos	18.4	r3-s8	All	All
Operating System	Juniper	Junos	19.1	-	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	19.1	r1-s4	All	All
Operating System	Juniper	Junos	19.1	r1-s5	All	All
Operating System	Juniper	Junos	19.1	r1-s6	All	All

Operating System	Juniper	Junos	19.1	r1-s6	All	All
Operating System	Juniper	Junos	19.1	r2	All	All
Operating System	Juniper	Junos	19.1	r2-s1	All	All
Operating System	Juniper	Junos	19.1	r2-s2	All	All
Operating System	Juniper	Junos	19.1	r3	All	All
Operating System	Juniper	Junos	19.1	r3-s1	All	All
Operating System	Juniper	Junos	19.1	r3-s2	All	All
Operating System	Juniper	Junos	19.1	r3-s3	All	All
Operating System	Juniper	Junos	19.1	r3-s4	All	All
Operating System	Juniper	Junos	19.1	r3-s5	All	All
Operating System	Juniper	Junos	19.1	r3-s6	All	All
Operating System	Juniper	Junos	19.2	-	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	19.2	r1-s3	All	All
Operating System	Juniper	Junos	19.2	r1-s4	All	All
Operating System	Juniper	Junos	19.2	r1-s5	All	All
Operating System	Juniper	Junos	19.2	r1-s6	All	All
Operating System	Juniper	Junos	19.2	r2	All	All
Operating System	Juniper	Junos	19.2	r2-s1	All	All
Operating System	Juniper	Junos	19.2	r3	All	All
Operating System	Juniper	Junos	19.2	r3-s1	All	All

Operating System	Juniper	Junos	19.2	r3-s2	All	All
Operating System	Juniper	Junos	19.3	-	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	19.3	r2	All	All
Operating System	Juniper	Junos	19.3	r2-s1	All	All
Operating System	Juniper	Junos	19.3	r2-s2	All	All
Operating System	Juniper	Junos	19.3	r2-s3	All	All
Operating System	Juniper	Junos	19.3	r2-s4	All	All
Operating System	Juniper	Junos	19.3	r2-s5	All	All
Operating System	Juniper	Junos	19.3	r2-s6	All	All
Operating System	Juniper	Junos	19.3	r3	All	All
Operating System	Juniper	Junos	19.3	r3-s1	All	All
Operating System	Juniper	Junos	19.3	r3-s2	All	All
Operating System	Juniper	Junos	19.3	r3-s3	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	All	All
Operating System	Juniper	Junos	19.4	r3-s1	All	All
Operating System	Juniper	Junos	19.4	r3-s2	All	All
Operating System	Juniper	Junos	19.4	r3-s3	All	All
Operating System	Juniper	Junos	19.4	r3-s4	All	All
Operating System	Juniper	Junos	19.4	r3-s5	All	All
Operating System	Juniper	Junos	19.4	r3-s6	All	All
Operating System	Juniper	Junos	20.1	r1	All	All
Operating System	Juniper	Junos	20.1	r1-s1	All	All
Operating System	Juniper	Junos	20.1	r1-s2	All	All
Operating System	Juniper	Junos	20.1	r1-s3	All	All
Operating System	Juniper	Junos	20.1	r1-s4	All	All
Operating System	Juniper	Junos	20.1	r2	All	All
Operating System	Juniper	Junos	20.1	r2-s1	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	20.3	r1	All	All
Operating System	Juniper	Junos	20.3	r1-s1	All	All
Operating System	Juniper	Junos	20.3	r2	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	21.1	r1	All	All
Operating System	Juniper	Junos	All	All	All	All
cpe:2.3:o:juniper:junos:18.4:-:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r1:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r1-s1:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r1-s2:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r1-s3:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r1-s4:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r1-s5:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r1-s6:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r1-s7:*:*:*:*:*:						
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:18.4:r2-s4:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r2-s5:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r2-s6:*:*:*:*:*:						
cpe:2.3:o:juniper:junos:18.4:r2-s7:*:*:*:*:*:						

cpe:2.3:o:juniper:junos:18.4:r2-s8:*:*:*:*:*:

```
cpe:2.3:o:juniper:junos:18.4:r3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.4:r3-s1:*:*:*:*:*:
```

cpe:2.3:o:juniper:junos:18.4:r3-s2:*:*:*:*:*:

```
cpe:2.3:o:juniper:junos:18.4:r3-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.4:r3-s4:*:*:*:*:*:
```

cpe:2.3:o:juniper:junos:18.4:r3-s5:*:*:*:*:*:

```
cpe:2.3:o:juniper:junos:18.4:r3-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.4:r3-s7:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.4:r3-s8:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:-:*:*:*:*:*:
```

```
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:19.1:r1-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r1-s5:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r1-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r2-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r2-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r3-s1:*.~*~*~*~*~*
```

```
cpe:2.3:o:juniper:junos:19.1:r3-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r3-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r3-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r3-s5:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.1:r3-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.2:-:*:*:*:*:*:
```

```
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:19.2:r1-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.2:r1-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.2:r1-s5:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.2:r1-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.2:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.2:r2-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.2:r3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.2:r3-s1:*.~*~*~*~*~*~*
```

```
cpe:2.3:o:juniper:junos:19.2:r3-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:-:*:*:*:*:*:
```

```
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:19.3:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r2-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r2-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r2-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r2-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r2-s5:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r2-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r3-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r3-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.3:r3-s3:*:*:*:*:*:
```

```
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:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.4:r3-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.4:r3-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.4:r3-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.4:r3-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.4:r3-s5:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:19.4:r3-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.1:r1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.1:r1-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.1:r1-s2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.1:r1-s3:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.1:r1-s4:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.1:r2:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:20.1:r2-s1:*:*:*:*:*:
```

```
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:20.3:r1:*:*:*:*:
cpe:2.3:o:juniper:junos:20.3:r1-s1:*:*:*:*:
cpe:2.3:o:juniper:junos:20.3:r2:*:*:*:*:
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:21.1:r1:*:*:*:*:
cpe:2.3:o:juniper:junos:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
🔒 @softek_jp	Juniper Networks Junos OS のシステムスクリプトの取得処理になりすましを受ける問題 (CVE-2022-22156) [41010] sid.softek.jp/content/show/4... #SIDfm #脆弱性情報	2022-01-14 06:04:02
🔒 @CVEreport	CVE-2022-22156 : An Improper Certificate Validation weakness in the Juniper Networks Junos OS allows an attacker to... twitter.com/i/web/status/1...	2022-01-19 00:26:32

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