



CVE-2020-1685

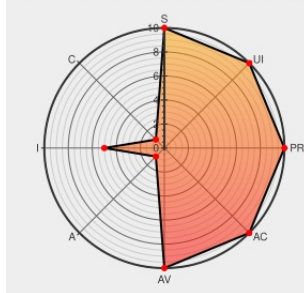
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CVE-2020-1685 - advisory for JSA11082

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

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



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

When configuring stateless firewall filters in Juniper Networks EX4600 and QFX 5000 Series devices using Virtual Extensible LAN protocol (VXLAN), the discard action will fail to discard traffic under certain conditions. Given a firewall filter configuration similar to: family ethernet-switching { filter L2-VLAN { term ALLOW { from { user-vlan-id

100; } then { accept; } } term NON-MATCH { then { discard; } } when there is only one term containing a 'user-vlan-id' match condition, and no other terms in the firewall filter except discard, the discard action for non-matching traffic will only discard traffic with the same VLAN ID specified under 'user-vlan-id'. Other traffic (e.g. VLAN ID 200) will not be discarded. This unexpected behavior can lead to unintended traffic passing through the interface where the firewall filter is applied. This issue only affects systems using VXLANS. This issue affects Juniper Networks Junos OS on QFX5K Series: 18.1 versions prior to 18.1R3-S7, except 18.1R3; 18.2 versions prior to 18.2R2-S7, 18.2R3-S1; 18.3 versions prior to 18.3R1-S5, 18.3R2-S4, 18.3R3; 18.4 versions prior to 18.4R1-S7, 18.4R2-S1, 18.4R3; 19.1 versions prior to 19.1R1-S5, 19.1R2; 19.2 versions prior to 19.2R1-S5, 19.2R2.

CVE-2020-1685 has been assigned by [JJ](#) 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

Avoid using the user-vlan-id match criteria.

CVSS3 Score: **5.8 - MEDIUM**

Attack
Vector

Attack
Complexity

Privileges
Required

User
Interaction

NETWORK

LOW

NONE

NONE

Scope

Confidentiality
Impact

Integrity
Impact

Availability
Impact

CHANGED		NONE		LOW		NONE	
CVSS2 Score: 5 - MEDIUM							
Access Vector		Access Complexity		Authentication			
NETWORK		LOW		NONE			
Confidentiality Impact		Integrity Impact		Availability Impact			
NONE		PARTIAL		NONE			
CVE References							
Description				Tags		Link	
2020-10 Security Bulletin: Junos OS: EX4600, QFX5K Series: Stateless firewall filter matching 'user-vlan-id' will cause incomplete discard action (CVE-2020-1685) - Juniper Networks				Vendor Advisory		 CONFIRM kb.juniper.net/JSA11082	
				kb.juniper.net			
				text/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	18.1	-	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	r2-s1	All	All	
Operating System	Juniper	Junos	18.1	r2-s2	All	All	
Operating System	Juniper	Junos	18.1	r2-s4	All	All	
Operating System	Juniper	Junos	18.1	r3	All	All	
Operating System	Juniper	Junos	18.1	r3-s1	All	All	
Operating System	Juniper	Junos	18.1	r3-s2	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-s6	All	All
Operating System	Juniper	Junos	18.2	-	All	All
Operating System	Juniper	Junos	18.2	r1	All	All
Operating System	Juniper	Junos	18.2	r1	-	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	r1-s5	All	All
Operating System	Juniper	Junos	18.2	r2	All	All
Operating System	Juniper	Junos	18.2	r2-s1	All	All
Operating System	Juniper	Junos	18.2	r2-s2	All	All
Operating System	Juniper	Junos	18.2	r2-s3	All	All
Operating System	Juniper	Junos	18.2	r2-s4	All	All
Operating System	Juniper	Junos	18.2	r2-s5	All	All
Operating System	Juniper	Junos	18.2	r2-s6	All	All
Operating System	Juniper	Junos	18.2	r3	All	All
Operating System	Juniper	Junos	18.3	-	All	All
Operating System	Juniper	Junos	18.3	r1	All	All
Operating System	Juniper	Junos	18.3	r1-s1	All	All
Operating System	Juniper	Junos	18.3	r1-s2	All	All
Operating System	Juniper	Junos	18.3	r1-s3	All	All
Operating System	Juniper	Junos	18.3	r1-s4	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	-	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	r2	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	19.2	-	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	18.1	-	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	r2-s1	All	All
Operating System	Juniper	Junos	18.1	r2-s2	All	All
Operating System	Juniper	Junos	18.1	r2-s4	All	All
Operating System	Juniper	Junos	18.1	r3	All	All
Operating System	Juniper	Junos	18.1	r3-s1	All	All
Operating System	Juniper	Junos	18.1	r3-s2	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-s6	All	All
Operating System	Juniper	Junos	18.2	-	All	All
Operating System	Juniper	Junos	18.2	r1	All	All
Operating System	Juniper	Junos	18.2	r1	-	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	r1-s5	All	All
Operating System	Juniper	Junos	18.2	r2	All	All
Operating System	Juniper	Junos	18.2	r2-s1	All	All
Operating System	Juniper	Junos	18.2	r2-s2	All	All
Operating Svstem	Juniper	Junos	18.2	r2-s3	All	All

System						
Operating System	Juniper	Junos	18.2	r2-s4	All	All
Operating System	Juniper	Junos	18.2	r2-s5	All	All
Operating System	Juniper	Junos	18.2	r2-s6	All	All
Operating System	Juniper	Junos	18.2	r3	All	All
Operating System	Juniper	Junos	18.3	-	All	All
Operating System	Juniper	Junos	18.3	r1	All	All
Operating System	Juniper	Junos	18.3	r1-s1	All	All
Operating System	Juniper	Junos	18.3	r1-s2	All	All
Operating System	Juniper	Junos	18.3	r1-s3	All	All
Operating System	Juniper	Junos	18.3	r1-s4	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	-	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	r2	All	All

System						
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	19.2	-	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
Hardware 	Juniper	Qfx5100	-	All	All	All
Hardware 	Juniper	Qfx5100	-	All	All	All
Hardware 	Juniper	Qfx5110	-	All	All	All
Hardware 	Juniper	Qfx5110	-	All	All	All
Hardware 	Juniper	Qfx5120	-	All	All	All
Hardware 	Juniper	Qfx5120	-	All	All	All
Hardware 	Juniper	Qfx5130	-	All	All	All
Hardware 	Juniper	Qfx5130	-	All	All	All
Hardware 	Juniper	Qfx5200	-	All	All	All
Hardware 	Juniper	Qfx5200	-	All	All	All
Hardware 	Juniper	Qfx5210	-	All	All	All
Hardware 	Juniper	Qfx5210	-	All	All	All
Hardware 	Juniper	Qfx5220	-	All	All	All
Hardware 	Juniper	Qfx5220	-	All	All	All

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cpe:2.3:o:juniper:junos:18.3:r1-s1:*:*:*:*:*:

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cpe:2.3:o:juniper:junos:18.3:r1-s4:~::~~::~~::~~::~~::~~::
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:-:~::~~::~~::~~::~~::~~::
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cpe:2.3:o:juniper:junos:18.4:r1-s1:~::~~::~~::~~::~~::~~::
cpe:2.3:o:juniper:junos:18.4:r1-s2:~::~~::~~::~~::~~::~~::
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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:r2:~::~~::~~::~~::~~::~~::
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:~::~~::~~::~~::~~::~~::
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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:18.1:-:*:*:*:*:*:
```

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

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

```
cpe:2.3:o:juniper:junos:18.1:r2-s1:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.1:r2-s2:*:*:*:*:*:
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```

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```
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```

```
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```

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

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

```
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```

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

```
cpe:2.3:o:juniper:junos:18.2:r1-s3:*:*:*:*:*:
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cpe:2.3:o:juniper:junos:18.2:r1-s4:*:*:*:*:*:
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cpe:2.3:o:juniper:junos:18.2:r1-s5:*:*:*:*:*:
```

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cpe:2.3:o:juniper:junos:18.2:r2:*:*:*:*:*:
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```
cpe:2.3:o:juniper:junos:18.2:r2-s1:*:*:*:*:*:
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```
cpe:2.3:o:juniper:junos:18.2:r2-s2:*:*:*:*:*:
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cpe:2.3:o:juniper:junos:18.2:r2-s3:*:*:*:*:*:
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```
cpe:2.3:o:juniper:junos:18.2:r2-s4:*:*:*:*:*:
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```
cpe:2.3:o:juniper:junos:18.2:r2-s5:*:*:*:*:*:
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```
cpe:2.3:o:juniper:junos:18.2:r2-s6:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.2:r3:*:*:*:*:*:
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cpe:2.3:o:juniper:junos:18.3:-:*:*:*:*:*:
```

```
cpe:2.3:o:juniper:junos:18.3:r1:*:*:*:*:*:
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```
cpe:2.3:o:juniper:junos:18.3:r1-s1:*:*:*:*:*:
```

cpe:2.3:o:juniper:junos:18.3:r1-s2:~::~~::~~::
cpe:2.3:o:juniper:junos:18.3:r1-s3:~::~~::~~::
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cpe:2.3:o:juniper:junos:18.3:r2:~::~~::~~::
cpe:2.3:o:juniper:junos:18.3:r2-s1:~::~~::~~::
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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:19.2:-:~::~~::~~::
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:h:juniper:qfx5100:-:*****:
cpe:2.3:h:juniper:qfx5100:-:*****:
cpe:2.3:h:juniper:qfx5110:-:*****:
cpe:2.3:h:juniper:qfx5110:-:*****:
cpe:2.3:h:juniper:qfx5120:-:*****:
cpe:2.3:h:juniper:qfx5120:-:*****:
cpe:2.3:h:juniper:qfx5130:-:*****:
cpe:2.3:h:juniper:qfx5130:-:*****:
cpe:2.3:h:juniper:qfx5200:-:*****:
cpe:2.3:h:juniper:qfx5200:-:*****:
cpe:2.3:h:juniper:qfx5210:-:*****:
cpe:2.3:h:juniper:qfx5210:-:*****:
cpe:2.3:h:juniper:qfx5220:-:*****:
cpe:2.3:h:juniper:qfx5220:-:*****:

No vendor comments have been submitted for this CVE

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