CVE-2018-0057

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CVE-2018-0057 - advisory for JSA10892

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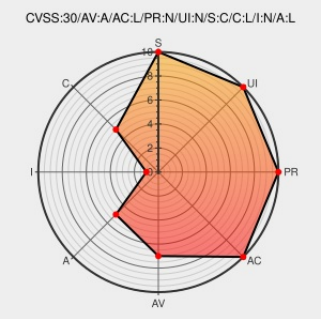

Certain versions of Junos from Juniper contain the following vulnerability:

On MX Series and M120/M320 platforms configured in a Broadband Edge (BBE) environment, subscribers logging in with DHCP Option 50 to request a specific IP address will be assigned the requested IP address, even if there is a static MAC to IP address binding in the access profile. In the problem scenario, with a hardware-address and IP address configured under address-assignment pool, if a subscriber logging in with DHCP Option 50, the subscriber will not be assigned an available address from the matched pool, but will still get the requested IP address. A malicious DHCP subscriber may be able to utilize this vulnerability to create duplicate IP address assignments, leading to a denial of service for valid subscribers or unauthorized information disclosure via IP address assignment spoofing. Affected releases are Juniper Networks Junos OS: 15.1 versions prior to 15.1R7-S2, 15.1R8; 16.1 versions prior to 16.1R4-S12, 16.1R7-S2, 16.1R8; 16.2 versions prior to 16.2R2-S7, 16.2R3; 17.1 versions prior to 17.1R2-S9, 17.1R3; 17.2 versions prior to 17.2R1-S7, 17.2R2-S6, 17.2R3; 17.3 versions prior to 17.3R2-S4, 17.3R3; 17.4 versions prior to 17.4R2; 18.1 versions prior to 18.1R2-S3, 18.1R3.

CVE-2018-0057 has been assigned by sirt@juniper.net to track the vulnerability - currently rated as CRITICAL 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: 9.6 - CRITICAL

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

Impact	Impact	Impact
CHANGED	HIGH	NONE	HIGH

CVSS2 Score: 5.5 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	NONE	PARTIAL

CVE References

Description	Tags	Link
2018-10 Security Bulletin: Junos OS: authd allows assignment of IP address requested by DHCP subscriber logging in with Option 50 (Requested IP Address) (CVE-2018-0057) - Juniper Networks	Vendor Advisory kb.juniper.net text/html	CONFIRM kb.juniper.net/JSA10892

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	15.1	All	All	All
Operating System	Juniper	Junos	15.1	f2	All	All
Operating System	Juniper	Junos	15.1	f3	All	All
Operating System	Juniper	Junos	15.1	f4	All	All
Operating System	Juniper	Junos	15.1	f5	All	All
Operating System	Juniper	Junos	15.1	f6	All	All
Operating System	Juniper	Junos	15.1	r1	All	All
Operating System	Juniper	Junos	15.1	r2	All	All
Operating System	Juniper	Junos	15.1	r3	All	All
Operating System	Juniper	Junos	15.1	r4	All	All

Operating System	Juniper	Junos	15.1	r5	All	All
Operating System	Juniper	Junos	15.1	r6	All	All
Operating System	Juniper	Junos	16.1	All	All	All
Operating System	Juniper	Junos	16.1	r1	All	All
Operating System	Juniper	Junos	16.1	r2	All	All
Operating System	Juniper	Junos	16.1	r3	All	All
Operating System	Juniper	Junos	16.2	All	All	All
Operating System	Juniper	Junos	16.2	r1	All	All
Operating System	Juniper	Junos	17.1	All	All	All
Operating System	Juniper	Junos	17.1	r1	All	All
Operating System	Juniper	Junos	17.2	All	All	All
Operating System	Juniper	Junos	17.3	All	All	All
Operating System	Juniper	Junos	17.3	r1	All	All
Operating System	Juniper	Junos	17.4	All	All	All
Operating System	Juniper	Junos	17.4	r1	All	All
Operating System	Juniper	Junos	18.1	All	All	All
Operating System	Juniper	Junos	18.1	r1	All	All
Operating System	Juniper	Junos	15.1	All	All	All
Operating System	Juniper	Junos	15.1	f2	All	All
Operating System	Juniper	Junos	15.1	f3	All	All
Operating System	Juniper	Junos	15.1	f4	All	All
Operating System	Juniper	Junos	15.1	f5	All	All
Operating System	Juniper	Junos	15.1	f6	All	All

Operating System	Juniper	Junos	15.1	r1	All	All
Operating System	Juniper	Junos	15.1	r2	All	All
Operating System	Juniper	Junos	15.1	r3	All	All
Operating System	Juniper	Junos	15.1	r4	All	All
Operating System	Juniper	Junos	15.1	r5	All	All
Operating System	Juniper	Junos	15.1	r6	All	All
Operating System	Juniper	Junos	16.1	All	All	All
Operating System	Juniper	Junos	16.1	r1	All	All
Operating System	Juniper	Junos	16.1	r2	All	All
Operating System	Juniper	Junos	16.1	r3	All	All
Operating System	Juniper	Junos	16.2	All	All	All
Operating System	Juniper	Junos	16.2	r1	All	All
Operating System	Juniper	Junos	17.1	All	All	All
Operating System	Juniper	Junos	17.1	r1	All	All
Operating System	Juniper	Junos	17.2	All	All	All
Operating System	Juniper	Junos	17.3	All	All	All
Operating System	Juniper	Junos	17.3	r1	All	All
Operating System	Juniper	Junos	17.4	All	All	All
Operating System	Juniper	Junos	17.4	r1	All	All
Operating System	Juniper	Junos	18.1	All	All	All
Operating System	Juniper	Junos	18.1	r1	All	All

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cpe:2.3:o:juniper:junos:15.1:r3:*:*:*:*:*:*:

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cpe:2.3:o:juniper:junos:15.1:f2:*:*:*:*:*:*:

cpe:2.3:o:juniper:junos:15.1:f3:*:*:*:*:*:*:

cpe:2.3:o:juniper:junos:15.1:f4:*:*:*:*:*:*:

cpe:2.3:o:juniper:junos:15.1f5:*:*:*:*:*:*:*

cpe:2.3:o:juniper:junos:15.1f6:*:*:*:*:*:*:*

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cpe:2.3:o:juniper:junos:15.1r2:*:*:*:*:*:*:*

cpe:2.3:o:juniper:junos:15.1r3:*:*:*:*:*:*:*

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cpe:2.3:o:juniper:junos:17.4r1:*:*:*:*:*:*:*

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

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

No vendor comments have been submitted for this CVE

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CVE.report and Source URL Uptime Status status.cve.report