



CVE-2017-2348

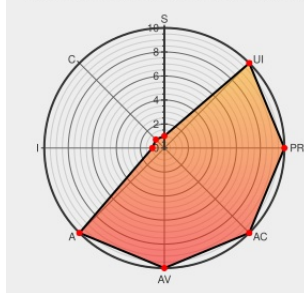
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CVE-2017-2348

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

CVSS:30/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:

The Juniper Enhanced jdhcpd daemon may experience high CPU utilization, or crash and restart upon receipt of an invalid IPv6 UDP packet. Both high CPU utilization and repeated crashes of the jdhcpd daemon can result in a denial of service as DHCP service is interrupted. No other Juniper Networks products or platforms are

affected by this issue. Affected releases are Juniper Networks Junos OS 14.1X53 prior to 14.1X53-D12, 14.1X53-D38, 14.1X53-D40 on QFX, EX, QFabric System; 15.1 prior to 15.1F2-S18, 15.1R4 on all products and platforms; 15.1X49 prior to 15.1X49-D80 on SRX; 15.1X53 prior to 15.1X53-D51, 15.1X53-D60 on NFX, QFX, EX.

CVE-2017-2348 has been assigned by [JJ](#) sirt@juniper.net to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [JJ](#) **Juniper Networks - Junos OS version 14.1X53 prior to 14.1X53-D12, 14.1X53-D38, 14.1X53-D40**

Affected Vendor/Software: [JJ](#) **Juniper Networks - Junos OS version 15.1 prior to 15.1F2-S18, 15.1R4**

Affected Vendor/Software: [JJ](#) **Juniper Networks - Junos OS version 15.1X49 prior to 15.1X49-D80**

Affected Vendor/Software: [JJ](#) **Juniper Networks - Junos OS version 15.1X53 prior to 15.1X53-D51, 15.1X53-D60**

Vulnerability Patch/Work Around

Devices that have the ability to transition from Juniper's Enhanced DHCP server, JDHCPD, to the legacy DHCP server, DHCPD, can move back to legacy. Devices that do not support the ability to transition from Enhanced DHCP to Legacy DHCP do not have a workaround available unless customers decide to disable the DHCP services and forward DHCP client requests to other DHCP servers or discontinue the use of DHCP services.

CVSS3 Score: **7.5 - HIGH**

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

Scope	Confidentiality Impact	Integrity Impact	Availability Impact			
UNCHANGED	NONE	NONE	HIGH			
CVSS2 Score: 5 - MEDIUM						
Access Vector	Access Complexity	Authentication				
NETWORK	LOW	NONE				
Confidentiality Impact	Integrity Impact	Availability Impact				
NONE	NONE	PARTIAL				
CVE References						
Description	Tags		Link			
2017-07 Security Bulletin: Junos OS: jdhcpd daemon crash due to invalid IPv6 UDP packets (CVE-2017-2348) - Juniper Networks	Vendor Advisory kb.juniper.net text/html		 CONFIRM kb.juniper.net/JSA10800			
Juniper Junos IPv6 UDP Packet Processing Bug Lets Remote Users Consume Excessive CPU Resources on the Target System or Cause the jdhcpd Service to Crash - SecurityTracker	Third Party Advisory VDB Entry www.securitytracker.com text/html		 SECTRACK 1038899			
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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	14.1x53	All	All	All
Operating System	Juniper	Junos	14.1x53	d10	All	All
Operating System	Juniper	Junos	14.1x53	d38	All	All
Operating System	Juniper	Junos	14.1x53	d40	All	All
Operating System	Juniper	Junos	15.1	All	All	All
Operating System	Juniper	Junos	15.1	f1	All	All
Operating System	Juniper	Junos	15.1	f2	All	All
Operating System	Juniper	Junos	15.1	f2-s1	All	All

Operating System	Juniper	Junos	15.1	f2-s2	All	All
Operating System	Juniper	Junos	15.1	f2-s3	All	All
Operating System	Juniper	Junos	15.1	f2-s4	All	All
Operating System	Juniper	Junos	15.1	r4	All	All
Operating System	Juniper	Junos	15.1x49	All	All	All
Operating System	Juniper	Junos	15.1x49	d10	All	All
Operating System	Juniper	Junos	15.1x49	d20	All	All
Operating System	Juniper	Junos	15.1x49	d30	All	All
Operating System	Juniper	Junos	15.1x49	d35	All	All
Operating System	Juniper	Junos	15.1x49	d40	All	All
Operating System	Juniper	Junos	15.1x49	d45	All	All
Operating System	Juniper	Junos	15.1x49	d50	All	All
Operating System	Juniper	Junos	15.1x49	d55	All	All
Operating System	Juniper	Junos	15.1x49	d60	All	All
Operating System	Juniper	Junos	15.1x49	d65	All	All
Operating System	Juniper	Junos	15.1x49	d70	All	All
Operating System	Juniper	Junos	15.1x49	d75	All	All
Operating System	Juniper	Junos	15.1x53	All	All	All
Operating System	Juniper	Junos	15.1x53	d10	All	All
Operating System	Juniper	Junos	15.1x53	d20	All	All
Operating System	Juniper	Junos	15.1x53	d21	All	All
Operating System	Juniper	Junos	15.1x53	d25	All	All
Operating System	Juniper	Junos	15.1x53	d30	All	All

Operating System	Juniper	Junos	15.1x53	d32	All	All
Operating System	Juniper	Junos	15.1x53	d33	All	All
Operating System	Juniper	Junos	15.1x53	d34	All	All
Operating System	Juniper	Junos	15.1x53	d47	All	All
Operating System	Juniper	Junos	15.1x53	d48	All	All
Operating System	Juniper	Junos	15.1x53	d60	All	All
Operating System	Juniper	Junos	14.1x53	All	All	All
Operating System	Juniper	Junos	14.1x53	d10	All	All
Operating System	Juniper	Junos	14.1x53	d38	All	All
Operating System	Juniper	Junos	14.1x53	d40	All	All
Operating System	Juniper	Junos	15.1	All	All	All
Operating System	Juniper	Junos	15.1	f1	All	All
Operating System	Juniper	Junos	15.1	f2	All	All
Operating System	Juniper	Junos	15.1	f2-s1	All	All
Operating System	Juniper	Junos	15.1	f2-s2	All	All
Operating System	Juniper	Junos	15.1	f2-s3	All	All
Operating System	Juniper	Junos	15.1	f2-s4	All	All
Operating System	Juniper	Junos	15.1	r4	All	All
Operating System	Juniper	Junos	15.1x49	All	All	All
Operating System	Juniper	Junos	15.1x49	d10	All	All
Operating System	Juniper	Junos	15.1x49	d20	All	All
Operating System	Juniper	Junos	15.1x49	d30	All	All
Operating System	Juniper	Junos	15.1x49	d35	All	All

Operating System	Juniper	Junos	15.1x49	d40	All	All
Operating System	Juniper	Junos	15.1x49	d45	All	All
Operating System	Juniper	Junos	15.1x49	d50	All	All
Operating System	Juniper	Junos	15.1x49	d55	All	All
Operating System	Juniper	Junos	15.1x49	d60	All	All
Operating System	Juniper	Junos	15.1x49	d65	All	All
Operating System	Juniper	Junos	15.1x49	d70	All	All
Operating System	Juniper	Junos	15.1x49	d75	All	All
Operating System	Juniper	Junos	15.1x53	All	All	All
Operating System	Juniper	Junos	15.1x53	d10	All	All
Operating System	Juniper	Junos	15.1x53	d20	All	All
Operating System	Juniper	Junos	15.1x53	d21	All	All
Operating System	Juniper	Junos	15.1x53	d25	All	All
Operating System	Juniper	Junos	15.1x53	d30	All	All
Operating System	Juniper	Junos	15.1x53	d32	All	All
Operating System	Juniper	Junos	15.1x53	d33	All	All
Operating System	Juniper	Junos	15.1x53	d34	All	All
Operating System	Juniper	Junos	15.1x53	d47	All	All
Operating System	Juniper	Junos	15.1x53	d48	All	All
Operating System	Juniper	Junos	15.1x53	d60	All	All
cpe:2.3:o:juniper:junos:14.1x53:*****:						
cpe:2.3:o:juniper:junos:14.1x53:d10:*****:						
cpe:2.3:o:juniper:junos:14.1x53:d38:*****:						

cpe:2.3:o:juniper:junos:14.1x53:d40:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f1:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f2:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f2-s1:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f2-s2:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f2-s3:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f2-s4:~::~~::~~::
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cpe:2.3:o:juniper:junos:15.1x49:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d10:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d20:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d30:~::~~::~~::
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cpe:2.3:o:juniper:junos:15.1x49:d40:~::~~::~~::
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cpe:2.3:o:juniper:junos:15.1x49:d50:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d55:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d60:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d65:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d70:~::~~::~~::
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cpe:2.3:o:juniper:junos:15.1x53:d10:~::~~::~~::
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cpe:2.3:o:juniper:junos:15.1x53:d21:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d25:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d30:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d32:~::~~::~~::

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cpe:2.3:o:juniper:junos:15.1x49:d45:~::~:
cpe:2.3:o:juniper:junos:15.1x49:d50:~::~:
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cpe:2.3:o:juniper:junos:15.1x53:d32:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d33:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d34:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d47:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d48:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d60:~::~~::~~::~~::

← Previous ID

Next ID →