

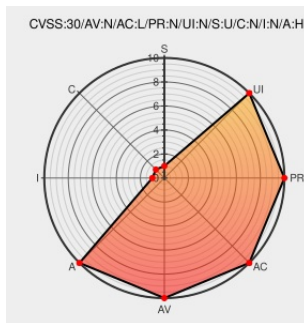


CVE-2017-2314

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CVE-2017-2314

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

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

Receipt of a malformed BGP OPEN message may cause the routing protocol daemon (rpd) process to crash and restart. By continuously sending specially crafted BGP OPEN messages, an attacker can repeatedly crash the rpd process causing prolonged denial of service.

No other Juniper Networks products or platforms are affected by this

issue. Affected releases are Juniper Networks Junos OS 12.3 prior to 12.3R12-S4, 12.3R13, 12.3R3-S4; 12.3X48 prior to 12.3X48-D50; 13.3 prior to 13.3R4-S11, 13.3R10; 14.1 prior to 14.1R8-S3, 14.1R9; 14.1X53 prior to 14.1X53-D40; 14.1X55 prior to 14.1X55-D35; 14.2 prior to 14.2R4-S7, 14.2R6-S4, 14.2R7; 15.1 prior to 15.1F2-S11, 15.1F4-S1-J1, 15.1F5-S3, 15.1F6, 15.1R4; 15.1X49 prior to 15.1X49-D100; 15.1X53 prior to 15.1X53-D33, 15.1X53-D50.

CVE-2017-2314 has been assigned by [JJ](#) [sirt@juniper.net](#) to track the vulnerability - currently rated as **HIGH** severity.

Vulnerability Patch/Work Around

While there is no workaround, the risk associated with this issue can be mitigated by limiting BGP sessions only from trusted peers.

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE

NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Juniper Junos BGP OPEN Message Processing Flaw Lets Remote Users Cause the Target Service to Crash - SecurityTracker	Third Party Advisory VDB Entry www.securitytracker.com text/html	 SECTRACK 1038889
2017-07 Security Bulletin: Junos: RPD crash due to malformed BGP OPEN message (CVE-2017-2314) - Juniper Networks	Vendor Advisory kb.juniper.net text/html	 CONFIRM kb.juniper.net/JSA10779

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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	12.3	All	All	All
Operating System	Juniper	Junos	12.3	r1	All	All
Operating System	Juniper	Junos	12.3	r10	All	All
Operating System	Juniper	Junos	12.3	r11	All	All
Operating System	Juniper	Junos	12.3	r12	All	All
Operating System	Juniper	Junos	12.3	r2	All	All
Operating System	Juniper	Junos	12.3	r3	All	All
Operating System	Juniper	Junos	12.3	r4	All	All
Operating System	Juniper	Junos	12.3	r5	All	All
Operating System	Juniper	Junos	12.3	r6	All	All
Operating System	Juniper	Junos	12.3	r7	All	All

Operating System	Juniper	Junos	12.3	r8	All	All
Operating System	Juniper	Junos	12.3	r9	All	All
Operating System	Juniper	Junos	12.3x48	-	All	All
Operating System	Juniper	Junos	12.3x48	d10	All	All
Operating System	Juniper	Junos	12.3x48	d15	All	All
Operating System	Juniper	Junos	12.3x48	d20	All	All
Operating System	Juniper	Junos	12.3x48	d25	All	All
Operating System	Juniper	Junos	12.3x48	d30	All	All
Operating System	Juniper	Junos	12.3x48	d35	All	All
Operating System	Juniper	Junos	12.3x48	d40	All	All
Operating System	Juniper	Junos	12.3x48	d45	All	All
Operating System	Juniper	Junos	13.3	All	All	All
Operating System	Juniper	Junos	13.3	r1	All	All
Operating System	Juniper	Junos	13.3	r2	All	All
Operating System	Juniper	Junos	13.3	r3	All	All
Operating System	Juniper	Junos	13.3	r9	All	All
Operating System	Juniper	Junos	14.1	All	All	All
Operating System	Juniper	Junos	14.1	r1	All	All
Operating System	Juniper	Junos	14.1	r2	All	All
Operating System	Juniper	Junos	14.1	r3	All	All
Operating System	Juniper	Junos	14.1	r4	All	All
Operating System	Juniper	Junos	14.1	r5	All	All
Operating System	Juniper	Junos	14.1	r6	All	All

Operating System	Juniper	Junos	14.1	r7	All	All
Operating System	Juniper	Junos	14.1	r8	All	All
Operating System	Juniper	Junos	14.1x53	-	All	All
Operating System	Juniper	Junos	14.1x53	d15	All	All
Operating System	Juniper	Junos	14.1x53	d16	All	All
Operating System	Juniper	Junos	14.1x53	d25	All	All
Operating System	Juniper	Junos	14.1x53	d26	All	All
Operating System	Juniper	Junos	14.1x53	d27	All	All
Operating System	Juniper	Junos	14.1x53	d30	All	All
Operating System	Juniper	Junos	14.1x53	d35	All	All
Operating System	Juniper	Junos	14.1x55	All	All	All
Operating System	Juniper	Junos	14.2	All	All	All
Operating System	Juniper	Junos	14.2	r1	All	All
Operating System	Juniper	Junos	14.2	r2	All	All
Operating System	Juniper	Junos	14.2	r3	All	All
Operating System	Juniper	Junos	14.2	r4	All	All
Operating System	Juniper	Junos	14.2	r5	All	All
Operating System	Juniper	Junos	14.2	r6	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	f4	All	All
Operating System	Juniper	Junos	15.1	f5	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
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Operating System	Juniper	Junos	15.1x49	d90	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	d30	All	All
Operating System	Juniper	Junos	15.1x53	d32	All	All
Operating System	Juniper	Junos	12.3	All	All	All
Operating System	Juniper	Junos	12.3	r1	All	All
Operating System	Juniper	Junos	12.3	r10	All	All
Operating System	Juniper	Junos	12.3	r11	All	All
Operating System	Juniper	Junos	12.3	r12	All	All

Operating System	Juniper	Junos	12.3	r2	All	All
Operating System	Juniper	Junos	12.3	r3	All	All
Operating System	Juniper	Junos	12.3	r4	All	All
Operating System	Juniper	Junos	12.3	r5	All	All
Operating System	Juniper	Junos	12.3	r6	All	All
Operating System	Juniper	Junos	12.3	r7	All	All
Operating System	Juniper	Junos	12.3	r8	All	All
Operating System	Juniper	Junos	12.3	r9	All	All
Operating System	Juniper	Junos	12.3x48	-	All	All
Operating System	Juniper	Junos	12.3x48	d10	All	All
Operating System	Juniper	Junos	12.3x48	d15	All	All
Operating System	Juniper	Junos	12.3x48	d20	All	All
Operating System	Juniper	Junos	12.3x48	d25	All	All
Operating System	Juniper	Junos	12.3x48	d30	All	All
Operating System	Juniper	Junos	12.3x48	d35	All	All
Operating System	Juniper	Junos	12.3x48	d40	All	All
Operating System	Juniper	Junos	12.3x48	d45	All	All
Operating System	Juniper	Junos	13.3	All	All	All
Operating System	Juniper	Junos	13.3	r1	All	All
Operating System	Juniper	Junos	13.3	r2	All	All
Operating System	Juniper	Junos	13.3	r3	All	All
Operating System	Juniper	Junos	13.3	r9	All	All
Operating System	Juniper	Junos	14.1	All	All	All

Operating System	Juniper	Junos	14.1	r1	All	All
Operating System	Juniper	Junos	14.1	r2	All	All
Operating System	Juniper	Junos	14.1	r3	All	All
Operating System	Juniper	Junos	14.1	r4	All	All
Operating System	Juniper	Junos	14.1	r5	All	All
Operating System	Juniper	Junos	14.1	r6	All	All
Operating System	Juniper	Junos	14.1	r7	All	All
Operating System	Juniper	Junos	14.1	r8	All	All
Operating System	Juniper	Junos	14.1x53	-	All	All
Operating System	Juniper	Junos	14.1x53	d15	All	All
Operating System	Juniper	Junos	14.1x53	d16	All	All
Operating System	Juniper	Junos	14.1x53	d25	All	All
Operating System	Juniper	Junos	14.1x53	d26	All	All
Operating System	Juniper	Junos	14.1x53	d27	All	All
Operating System	Juniper	Junos	14.1x53	d30	All	All
Operating System	Juniper	Junos	14.1x53	d35	All	All
Operating System	Juniper	Junos	14.1x55	All	All	All
Operating System	Juniper	Junos	14.2	All	All	All
Operating System	Juniper	Junos	14.2	r1	All	All
Operating System	Juniper	Junos	14.2	r2	All	All
Operating System	Juniper	Junos	14.2	r3	All	All
Operating System	Juniper	Junos	14.2	r4	All	All
Operating System	Juniper	Junos	14.2	r5	All	All

Operating System	Juniper	Junos	14.2	r6	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	f4	All	All
Operating System	Juniper	Junos	15.1	f5	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
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Operating System	Juniper	Junos	15.1x49	d40	All	All
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Operating System	Juniper	Junos	15.1x49	d75	All	All
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Operating System	Juniper	Junos	15.1x53	d30	All	All

Operating System	Juniper	Junos	15.1x53	d32	All	All
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cpe:2.3:o:juniper:junos:12.3x48:d45:*****:						
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cpe:2.3:o:juniper:junos:13.3:r9:*****:						

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cpe:2.3:o:juniper:junos:12.3x48:-~::~~::~~::
cpe:2.3:o:juniper:junos:12.3x48:d10:~::~~::~~::
cpe:2.3:o:juniper:junos:12.3x48:d15:~::~~::~~::
cpe:2.3:o:juniper:junos:12.3x48:d20:~::~~::~~::
cpe:2.3:o:juniper:junos:12.3x48:d25:~::~~::~~::
cpe:2.3:o:juniper:junos:12.3x48:d30:~::~~::~~::
cpe:2.3:o:juniper:junos:12.3x48:d35:~::~~::~~::
cpe:2.3:o:juniper:junos:12.3x48:d40:~::~~::~~::
cpe:2.3:o:juniper:junos:12.3x48:d45:~::~~::~~::
cpe:2.3:o:juniper:junos:13.3:~::~~::~~::
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cpe:2.3:o:juniper:junos:13.3:r2:~::~~::~~::
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cpe:2.3:o:juniper:junos:13.3:r9:~::~~::~~::
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cpe:2.3:o:juniper:junos:14.1x53:d30:~::~~::~~::
cpe:2.3:o:juniper:junos:14.1x53:d35:~::~~::~~::
cpe:2.3:o:juniper:junos:14.1x55:~::~~::~~::
cpe:2.3:o:juniper:junos:14.2:~::~~::~~::
cpe:2.3:o:juniper:junos:14.2:r1:~::~~::~~::
cpe:2.3:o:juniper:junos:14.2:r2:~::~~::~~::
cpe:2.3:o:juniper:junos:14.2:r3:~::~~::~~::
cpe:2.3:o:juniper:junos:14.2:r4:~::~~::~~::
cpe:2.3:o:juniper:junos:14.2:r5:~::~~::~~::
cpe:2.3:o:juniper:junos:14.2:r6:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f2:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f4:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1:f5:~::~~::~~::
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:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d35:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d40:~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d45:~::~~::~~::
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:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d75:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d80:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x49:d90:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d10:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d20:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d21:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d30:~::~~::~~::~~::
cpe:2.3:o:juniper:junos:15.1x53:d32:~::~~::~~::~~::

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