JPCERT CC®

Japan Computer Emergency Response Team
Coordination Center

List of Products Verified with the IPv6 Security Test [Last updated: April 9, 2015]

■About this list

These verification results do not guarantee that the products concerned are free of security issues.
The list only compiles the results of verification carried out by each product vendor. JPCERT/CC does not guarantee the validity of the verification results.
Neither JPCERT/CC nor the product vendors will be held liable for any damages occurring in connection with the use of these verification results. Please contact the vendor or distributor when procuring or introducing the actual equipment.
Products not on this list may be unaffected by the problem verified in this IPv6 Security Test.

■About IPv6 Security Test

IPv6 Security Test is a test conducted by JPCERT/CC as part of its efforts to address the security issues inherent in the IPv6 protocol, with the cooperation of IPv6 compatible device vendors.
IPv6 Security Test conducted in FY 2013 targets security issues that need to be addressed in IPv6 compatible routers, L3 switches, and other network devices that companies use to access the Internet.
Test items do not target issues that can be exploited from a local network. Therefore, please note that this test does not offer a guarantee against all security issues.

Please refer to https://www.jpcert.or.jp/pr/2013/ipv6project.html for the latest information on verification results.

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■List of Verification Items

[Last updated: 04-09-2015]

Item#	Item Name	Item Identifier
1	Disabling the processing of Type 0 Routing Headers	2013-ipv6sec-0001
2	DoS attacks against routers by Hop-by-Hop Options Headers	2013-ipv6sec-0002
3	Implementation issues in using the Jumbo Payload option	2013-ipv6sec-0003
4	Responding to the overwrite of packet information by illegal fragment headers: Complete overwrite (Part 1)	2013-ipv6sec-0004
5	Responding to the overwrite of packet information by illegal fragment headers: Complete overwrite (Part 2)	2013-ipv6sec-0005
6	Responding to the overwrite of packet information by illegal fragment headers: Partial overwrite (Part 1)	2013-ipv6sec-0006
7	Responding to the overwrite of packet information by illegal fragment headers: Partial overwrite (Part 2)	2013-ipv6sec-0007
8	DoS attacks using small fragment headers Confirmation of tiny fragment implementation	2013-ipv6sec-0008
9	DoS attacks using small fragment headers Large volumes of tiny fragments	2013-ipv6sec-0009
10	DoS attacks by sending only the first fragment packet	2013-ipv6sec-0010
11	DoS attacks using single fragment headers Confirmation of atomic fragment implementation	2013-ipv6sec-0011
12	DoS attacks using single fragment headers Large volumes of atomic fragments	2013-ipv6sec-0012
13	Attacks by off-the-route attackers via fragment ID prediction	2013-ipv6sec-0013
14	DoS attacks against routers using neighbor search services	2013-ipv6sec-0014
15	DoS attacks by sending large volumes of illegal packets to routers	2013-ipv6sec-0015

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■Verification results List

○：No problem found △：Problem found (modified software to be provided) ×：Problem found －：N/A (No applicable functionality, etc.) [Last updated: 04-09-2015]

Product development vendor	model name	version	verification results															remarks
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Brocade Communications Systems, Inc.	CER2024C-4X	V5.6.0a	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	ICX6610-24P	V8.0.01	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	ICX7750-48F	V8.0.10	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Vyatta 5410 vRouter	6.6 R3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
NEC Corporation	IX2000 series	Ver.8.11	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	IX3000 series	Ver.8.11	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
FURUKAWA ELECTRIC CO., LTD.	F60	01.07(00)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	F200	01.13(00)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	F200Plus	01.13(00)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	F2200	01.00(00)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Hitachi Metals, Ltd.	Apresia13000 series	AEOS 8.21.03	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Apresia15000 series	AEOS 8.21.03	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Century Systems Co., Ltd.	NXR-G100	ver 6.3.0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	NXR-G100/F	ver 6.3.0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	NXR-G100/KL	ver 6.3.0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	NXR-G100/N	ver 6.4.0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	NXR-G100/S	ver 6.4.0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	NXR-G100/NL	ver 6.5.0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	NXR-G100/SL	ver 6.5.0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Yamaha Corporation	RTX1200	Rev.10.01	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	NVR500	Rev.11.00	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	RTX810	Rev.11.01	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	FWX120	Rev.11.03	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	RTX3500	Rev.14.00	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	RTX5000	Rev.14.00	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	RTX1210	Rev.14.01	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	