[1] SL	JPPLIER CONTACT IN	IFORMATION					
			Signature: Bill Shelton Bill Shelton (Oct 14, 2021 19:33 EDT)				
[2] PF	RODUCT VERSION TE	STED	[3] PRODUCT ID				
Q	⁻ X10002, J	unos 21.1R2.7	Juniper Networks Q	FX10000			
		[4] PRODL	JCT FAMILY				
	APPLICABLE SE	RIES HARDWARE	APPLICABLE SERIES SOF	TWARE			
	itary: All of the declared ssed by original test resul	capabilities of this product are ts reported in this SDoC.	Composite: Some or all of the capabilities are provided by the use and/or integration of components that have their own unique SD relevant referenced SDoCs are identified in linked.	f unmodified oCs. All of the			
[6] REF	SUPPLIER	PRODUCT ID/STACK ID	CAPABILITY SUMMARY	COMPOSITE SDOC LINK			
i.	Juniper Networks	Juniper Networks QFX10000/Junos 21.1R2.7					
	SGv6-r1-Capable-Host		USGv6-r1-Capable-Switch USGv6-r1	-Capable-NPP			
i.	NIST SP 500-267Br1,) REFERENCED				
ii.							
		[9] SUPPLEMENTA	ARY ATTESTATIONS				
 This product is fully functional in dual stack environments. That is, no claimed capabilities are invalidated if this product is operated in a dual stack (6 and 4) network environment. This product is fully functional in IPv6 only environments. That is, no claimed capabilities are invalidated if this product is deployed in a network environment that does not support IPv4 This SDoC contains a capabilities test report for each 							
unique covere	e IPv6 stack in the produc	t. If not, the stacks/ports not now their IPv6 capabilities differ	▶ All of the products listed in the product a implemented such that their capabilities are function across the entire product family. The conformance and interoperability test results of an identified member of this product family SDoC. The SDoC attests that these tested of identical and unmodified for all the products	identical in form and e specific for the capabilities y are provided in this apabilities are			

Host Capabilities

[10] PRODUC	T ID/ STACK ID					CAPABILITY SUMMARY
[11] SUPPORTED	CAPABILITY	CONFOR	RMANCE	INTEROPERABILI	TY/FUNCTIONAL	NOTES
SUPPORTED CAPABILITY		TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID	
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F		
-	Core	Core_R1v1.*_C		Core_R1v1.*_I		
-	Extended-ICMP	Self-Test		Self-Test		
-	PLPMTUD	Self-Test		Self-Test		
-	ND-Ext	Self-Test		Self-Test		
-	ND-WL	Self-Test		Self-Test		
-	SEND	Self-Test		Self-Test		
-	SLAAC	SLAAC_R1v1.*_C		SLAAC_R1v1.*_I		
-	PriAddr	Self-Test		Self-Test		
-	DHCP- Stateless	DHCP- Stateless_R1v1 .*_C		DHCP- Stateless_R1v1 _*_I		
-	DHCP-Client	DHCP- Client_R1v1.*_C		DHCP- Client_R1v1.*_I		
-	DHCP-Client- Ext	Self-Test		Self-Test		
-	DHCP-Prefix	DHCP- Prefix_R1v1.*_C		DHCP- Prefix_R1v1.*_I		
-	DHCP-Prefix- Ext	Self-Test		Self-Test		
-	6Lo	Self-Test		Self-Test		

Host Capabilities

		Self-Test	Self-Test		
-	Happy-Eyeballs	Sen-rest	Sen-rest		
-	Addr-Arch	Addr- Arch_R1v1.*_C	Addr- Arch_R1v1.*_I		
-	CGA	Self-Test	Self-Test		
-	DNS-Client	Self-Test	Self-Test		
-	URI	Self-Test	Self-Test		
-	NTP-Client	Self-Test	Self-Test		
-	NTP-Server	Self-Test	Self-Test		
-	DNS-Server	Self-Test	Self-Test		
-	DHCP-Server	DHCP- Server_R1v1.*_C	DHCP- Server_R1v1.*_I		
-	DHCP-Server- Ext	Self-Test	Self-Test		
-	DHCP-Relay	DHCP- Relay_R1v1.*_C	DHCP- Relay_R1v1.*_I		
-	IPsec	IPsec_R1v1.*_C	IPsec_R1v1.*_I		
-	IPsec-SHA-512	IPsec-SHA- 512_R1v1.*_C	IPsec-SHA- 512_R1v1.*_I		
-	SSHV2	Self-Test	Self-Test		
-	TLS	Self-Test	Self-Test		
-	TLS-1.3	Self-Test	Self-Test		
-	Tunneling-IP	Self-Test	Self-Test		

Host Capabilities

- Tunneling-UDP Self-Test Self-Test - XLAT Self-Test Self-Test	
Self-Test Self-Test	
- XLAT Self-Test	
Self-Test Self-Test	
- NAT64	
- DNS64 Self-Test	
- DNS64	
Self-Test Self-Test	
- SNMP	
- Tunneling Self-Test Self-Test	
Self-Test Self-Test	
- DiffServ	
- NETCONF Self-Test	
Self-Test Self-Test	
- SSM	
Multicast D1v1 Multicast D1v1	
- Multicast_R1v1 .*_C Multicast_R1v1	
Self-Test Self-Test	
- ECN	
Self-Test Self-Test	
- Link =	

Router Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY			
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFOF TEST SELECTION	RMANCE RESULT ID	INTEROPERABIL TEST SELECTION	ITY/FUNCTIONAL RESULT ID	NOTES		
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F				
PASS	Core	Core_R1v1.*_C	UNH-IOL/34162	Core_R1v1.*_I	UNH-IOL/34164			
-	Extended-ICMP	Self-Test		Self-Test				
-	PLPMTUD	Self-Test		Self-Test				
-	ND-Ext	Self-Test		Self-Test				
-	ND-WL	Self-Test		Self-Test				
-	SEND	Self-Test		Self-Test				
PASS	SLAAC	SLAAC_R1v1.*_C	UNH-IOL/34162	SLAAC_R1v1.*_I	UNH-IOL/34164			
-	PrivAddr	Self-Test		Self-Test				
-	DHCP-Prefix	DHCP- Prefix_R1v1.*_C		DHCP- Prefix_R1v1.*_I				
-	DHCP-Prefix- Ext	Self-Test		Self-Test				
-	6Lo	Self-Test		Self-Test				
PASS	Addr-Arch	Addr- Arch_R1v1.*_C	UNH-IOL/34163	Addr- Arch_R1v1.*_I	UNH-IOL/34165			
-	CGA	Self-Test		Self-Test				

Router Capabilities

		Self-Test		Self-Test		
-	DNS-Client					
-	URI	Self-Test		Self-Test		
PASS	NTP-Client	Self-Test	Self Declaration	Self-Test	Self Declaration	
-	NTP-Server	Self-Test		Self-Test		
-	DNS-Server	Self-Test		Self-Test		
-	DHCP-Server	DHCP- Server_R1v1.*_C		DHCP- Server_R1v1.*_I		
-	DHCP-Server- Ext	Self-Test		Self-Test		
-	DHCP-Relay	DHCP- Relay_R1v1.*_C		DHCP- Relay_R1v1.*_I		
-	OSPF	Self-Test	Self Declaration	OSPF_R1v1.*_I		
-	OSPF-IPsec	Self-Test		Self-Test		
-	OSPF-Auth	Self-Test	Self Declaration	OSPF- Auth_R1v1.*_I		
-	OSPF-Ext	Self-Test		Self-Test		
-	OSPF-Trans	Self-Test		Self-Test		
PASS	OSPF-Graceful	Self-Test	Self Declaration	Self-Test	Self Declaration	
PASS	ISIS	Self-Test	Self Declaration	Self-Test	Self Declaration	
	IS-IS-Auth	Self-Test		Self-Test		
-	IS-IS-Ext	Self-Test		Self-Test		
-	IS-IS-MT	Self-Test		Self-Test		

		Self-Test		BGP_R1v1.*_I		
-	BGP		Self Declaration			
-	BGP-Reflect	Self-Test		Self-Test		
	BGP-Graceful	Self-Test		Self-Test		
	BGP-FlowSpec	Self-Test		Self-Test		
	BGP-OV	Self-Test		Self-Test		
-	BGP-VPLS	Self-Test		Self-Test		
-	BGP-EVPN	Self-Test		Self-Test		
-	BGP-6VPE	Self-Test		Self-Test		
-	BGP-MVPN	Self-Test		Self-Test		
-	MPLS	Self-Test		Self-Test		
-	CE-Router	CE_Router_R1v 1.*_C		CE_Router_R1v 1.*_I		
PASS	VRRP	Self-Test	Self Declaration	Self-Test	Self Declaration	
-	IPsec	IPsec_R1v1.*_C		IPsec_R1v1.*_I		
	IPsec-VPN	IPsec- VPN_R1v1.*_C		IPsec- VPN_R1v1.*_I		
-	IPsec-SHA-512	IPsec-SHA- 512_R1v1.*_C		IPsec-SHA- 512_R1v1.*_I		
-	IPsec-SHA-512- VPN	IPsec-SHA-512- VPN_R1v1.*_C		IPsec-SHA-512- VPN_R1v1.*_I		
PASS	SSHV2	Self-Test	Self Declaration	Self-Test	Self Declaration	
-	TLS	Self-Test		Self-Test		

-	TLS-1.3	Self-Test	Self-Test	
-	Tunneling-IP	Self-Test	Self-Test	
-	Tunneling-UDP	Self-Test	Self-Test	
-	GRE	Self-Test	Self-Test	
-	DS-Lite	Self-Test	Self-Test	
-	LW4over6	Self-Test	Self-Test	
-	MAP-E	Self-Test	Self-Test	
-	MAP-T	Self-Test	Self-Test	
-	XLAT	Self-Test	Self-Test	
-	NAT64	Self-Test	Self-Test	
-	DNS64	Self-Test	Self-Test	
-	6PE	Self-Test	Self-Test	
-	LISP	Self-Test	Self-Test	
-	SNMP	Self-Test	Self-Test	
-	Tunneling	Self-Test	Self-Test	
-	DiffServ	Self-Test	Self-Test	
-	NETCONF	Self-Test	Self-Test	
-	SSM	Self-Test	Self-Test	

Router Capabilities

-	PIM-SM	PIM_SM_R1v1.* _C		PIM_SM_R1v1.* _I		
-	PIM-SM-IPsec	Self-Test		Self-Test		
-	PIM-SM-BiDir	Self-Test		Self-Test		
-	Multicast	Multicast_R1v1. *_C		Multicast_R1v1. *_I		
-	ECN	Self-Test		Self-Test		
PASS	Link = Ethernet	Self-Test	Self Declaration	Self-Test	Self Declaration	

Application Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY		
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFO TEST SELECTION	RMANCE RESULT ID	INTEROPERABIL TEST SELECTION	ITY/FUNCTIONAL RESULT ID	NOTES	
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F			
-	App-Serv=			APP- ONLY_R1v1.*_F			
-	Link =			Self-Test			

NPP Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY			
[11]	CAPABILITY	CONFOF	MANCE	INTEROPERABILI	ITY/FUNCTIONAL NOTES			
SUPPORTED CAPABILITY		TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID			
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F				
-	FW	FW_R1v1.*_C						
-	APFW	Self-Test						
-	IDS	FW_R1v1.*_C						
-	IPS	FW_R1v1.*_C						
-	Link =	Self-Test						

[10] PRODUC	T ID/ STACK ID					CAPABILITY SUMMARY		
[11]	CAPABILITY	CONFOR	MANCE	INTEROPERABILIT	Y/FUNCTIONAL			
SUPPORTED CAPABILITY		TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID	NOTES		
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F				
-	DHCPv6-Guard	Self-Test		Self-Test				
-	RA-Guard	Self-Test		Self-Test				
-	MLD-Snooping	Self-Test		Self-Test				
-	Link =	Self-Test		Self-Test				

	SUPPLIER CONTACT INFORMATION	Supplier name, address, phone, email and signature (digital recommended). Include printed name and date if wet ink signed.
2	PRODUCT VERSION TESTED	Firmware/ software version of product declared
3	PRODUCT ID	Suppliers concise name for product declared
ŀ	PRODUCT FAMILY	Applicable hardware or software with an unmodified IPv6 stack from "PRODUCT VERSION TESTED"
5	UNITARY OR COMPOSITE	Indicate if this is a unitary or composite SDoC. If composite is checked, composite SDoC must be linked in section 6.
6	REF	Reference number to profile(s) reference in this SDoC
	SUPPLIER	Supplier name
	PRODUCT ID/STACK ID	Product ID must match field 3. As there may be more than one unique IPv6 stack, stack ID identifies particular stack described in CAPABILITY SUMMARY. Each unique stack requires a CAPABILTY SUMMARY.
	CAPABILITY SUMMARY	The strong notation as described in NIST-SP-500-267Ar1 that describes the product capabilities of the given stack.
	COMPOSITE SDOC LINK	URL link to composite SDoC referenced.
7	USGV6-CAPABLE REQUIREMENTS	Refer to section 5 in NIST-SP-500-267Br1 for CSS strings referenced in this section. Check the appropriate box if the product meets the requirements.
3	PROFILE(S) REFERENCED	Profile(s) referenced in the SDoC.
)	SUPPLEMENTARY ATTESTATIONS	Attestations made by the supplier. Check all that apply.
0	PRODUCT ID/STACK ID	PRODUCT ID/STACK ID for stack documented on given page.
	CAPABILITY SUMMARY	CAPABILITY SUMMARY for stack documented on given page.
11	SUPPORTED CAPABILITY	"PASS" – All requirements of the capability have been met
		"NOTES" – See notes for details regarding the level of support for this capability
		"X" – Capability not supported
		BLANK – No declaration for this capability
	CAPABILITY	IPv6 Capability as described in NIST-SP-500-267Ar1.
	TEST SELECTION	Test Selection Tables version of capabilities with existing test programs. Capabilities without an existing test program are indicated with "Self-Test"
	RESULT ID	Abbreviation of accredited laboratory and unique identifier of test result. Capabilities with "Self-Test" can be self-declared writing "Self Declaration" in the cell.
	NOTES	The cell must be filled out if "NOTE" is indicated for SUPPORTED CAPABILITY. Suppliers may use notes to clarify unsupported features or non-passing results.

NIST.SP.500-281Ar1s-Juniper-Networks-QFX1 0000

Final Audit Report

2021-10-14

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