Suppliers Declaration of Conformity for USGv6 Products

USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)

1	**The Document Requiring Conformity:**	
2	**Product Identifier:**	**HPE ProLiant Gen9 Family**

3 Supplier's Name, Address and SDOC Contact Details

Hewlett Packard Enterprise
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Palo Alto, CA 94304-1112
Ed Palmer, ep@hpe.com

4 Product as Tested/Declared: *Product Identifier, version/revision information, details of configuration tested.*

HPE ProLiant DL160 Gen9
Red Hat Enterprise Linux 7.2

5 Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). ***Check Product Family attestation below.***

Apollo 4200 Gen9
BL460c Gen9
BL660c Gen9
DL20 Gen9
DL60 Gen9
DL80 Gen9
DL120 Gen9
DL180 Gen9
DL360 Gen9
DL380 Gen9
DL560 Gen9
DL580 Gen9
HC250 Gen9
HC380 Gen9
ML10 Gen9
ML30 Gen9
ML110 Gen9
ML150 Gen9
ML350 Gen9
WS460c Gen9
XL170r Gen9
XL190r Gen9
XL230a Gen9
XL250a Gen9
XL260a Gen9
XL270d Gen9
XL450 Gen9

6 USGv6 Capability summary. (For each distinct IPv6 stack in the product provide a summary of its USGv6 capabilities below and include a detailed test result summary). *e.g. example-prod-id/stack-1: USGv6-v1-Host: IPv6-Base+Addr-Arch+IPsec-v3+IKEv2+SLAC+Link=Ethernet.*

HPE ProLiant DL160 Gen9/RHEL 7.2: USGv6-v1-Host: IPv6-Base+Addr-Arch+DHCP-Client+SLAAC=Link = Ethernet

7 Self Contained or Composite SDOC? (Must indicate one).

YES	*All of the declared USGv6 capabilities of this product are addressed by orginal test results reported in this SDOC.*	**N/A**	*Some or all of the USGv6 capabilities of this product are provided by the use and/or integration of umodified components that have their own unique USGv6 SDOCs. All of the relevant referenced SDOCs are identified in section 8 and attached. This product's page 2 will indicate which capabilities are provided by specific referenced components (product-id/stack-id).*

8 Additional Declarations / Attachments: *(List supplier & product-id/stack-id for referenced and attached test results in the case of composite products).*

	Component Supplier	Product ID:	Stack ID:	Notes:
[1]				
[2]				
[3]				
[4]				

9 Supplementary Attestations *(Answer all).*

	YES	*This product is fully functional in dual stack environments. That is, no claimed capabilities are invalidated ifthis product is operated in a dual stack (6 and 4)network environment.*	YES	*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.*
	YES	*This SDOC contains a capabilities test report for each unique IPv6 stack in the product. If not, the stacks/ports not covered are documented, and how their Ipv6 capabilities differ from those reported are explained.*	YES	*All of the products listed in the product family in section 5 are implemented such that their USGv6 capabilities are identical in form and function across the entire product family. The specific conformance and interoperability test results for the USGv6 capabilities of an identified member of this product family are provided in this SDOC. The SDOC attests that these tested USGv6 capabilitiesare identical and unmodified for all the products cited above.*

10	**Signature**	Ed Palmer	**Date**	19 Jan 2017
	Print Name / Title	Ed Palmer / HPE Federal IPv6 Compliance Project Lead		

See instructions for fields 1-12 on Page 4.

Product Id:	HPE ProLiant Gen9 Family	Stack Id:	Red Hat Enterprise Linux 7.2

Spec / Reference	Section	USGv6-v1 Profile Requirements	Context / Configuration Option	Supported Capabilities: Host	Router	NPD	USGv6 Testing Program Results: Test Suite Conformance/NPD	Test Lab / Result ID, Note #, or Component Ref	Test Suite Interoperability	Test Lab / Result ID, Note #, or Component Ref
SP500-267	6.1	**IPv6 Basic Requirements**								
		support of IPv6 base (IPv6;ICMPv6;PMTU;ND)	IPv6-Base	P			**Basic_v1.*_C**	UNH-IOL/24778	**Basic_V1.*_I**	UNH-IOL/24781
		support of PMTU Discovery Protocol requirements	PMTU	P			**Basic_v1.*_C**	UNH-IOL/24778	**Basic_V1.*_I**	UNH-IOL/24781
		support of stateless address auto-configuration	SLAAC	P			**SLAAC-V1.*_C**	UNH-IOL/24779	**SLAAC-V1.*_I**	UNH-IOL/24782
		support of Creation of Global Addresses	SLAAC - c(M)	P			**SLAAC-V1.*_C**	UNH-IOL/24779	**SLAAC-V1.*_I**	UNH-IOL/24782
		support of SLAAC privacy extensions.	PrivAddr				*Self Test*		*Self Test*	
		support of stateful (DHCP) address auto-	DHCP-Client	P			**DHCP_Client_v1.*_C**	UNH-IOL/25354	**DHCP_Client_v1.*_I**	UNH-IOL/25355
		support of automated router prefix delegation	DHCP-Prefix				*Self Test*		*Self Test*	
		support of neighbor discovery security extensions	SEND				*Self Test*		*Self Test*	
SP500-267	6.6	**Addressing Requirements**								
		support of addressing architecture reqts	Addr-Arch	P			**Addr_Arch_v1.*_C**	UNH-IOL/24780	**Addr_Arch_v1.*_I**	UNH-IOL/25783
		support of cryptographically generated addresses	CGA				*Self Test*		*Self Test*	
SP500-267	6.7	**IP Security Requirements**								
		support of the IP security architecture	IPsecv3				**IPsecv3_v1.*_C**		**IPsecv3_v1.*_I**	
		support for automated key management	IKEv2				**IKEv2_v1.*_C**		**IKEv2_v2.*_I**	
		support for encapsulating security payloads in IP	ESP				**ESPv3_v1.*_C**		**ESP_v1.*_I**	
SP500-267	6.11	**Application Requirements**								
		support of DNS client/resolver functions	DNS-Client	P			*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
		support of Socket application program interfaces	SOCK	P			*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
		support of IPv6 uniform resource identifiers	URI	P			*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
		support of a DNS server application	DNS-Server	P			*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
		support of a DHCP server application	DHCP-Server				*Self Test*		**DHCP_Serv_v1.*_I**	
SP500-267	6.2	**Routing Protocol Requirements**								
		support of the intra-domain (interior) routing	IGW				*Self Test*		**OSPFv3_v1.*_I**	
		support for inter-domain (exterior) routing protocols	EGW				*Self Test*		**BGP_v1.*_I**	
SP500-267	6.4	**Transition Mechanism Requirements**								
		support of interoperation with IPv4-only systems	IPv4	P			*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
		support of tunneling IPv6 over IPv4 MPLS services	6PE				*Self Test*		*Self Test*	
SP500-267	6.8	**Network Management Requirements**							Self Test	
		support of network management services	SNMP				*Self Test*		Self Test	
SP500-267	6.9	**Multicast Requirements**								
		support of basic multicast	Mcast	P			*Self Test*	*Self Declaration*		
		full support of multicast communications	SSM				*Self Test*		*Self Test*	
SP500-267	6.10	**Mobility Requirements**								
		support of mobile IP capability.	MIP				*Self Test*		*Self Test*	
		support of mobile network capabilities	NEMO				*Self Test*		*Self Test*	
SP500-267	6.3	**Quality of Service Requirements**								
		support of Differentiated Services capabilities	DS				*Self Test*		*Self Test*	
SP500-267	6.12	**Network Protection Device Requirements**								
		support of common NPD reqts	NPD				**N1|N2|N3|N4_v1.3**			
		support of basic firewall capabilities	FW				**N1_FW_v1.3**			
		support of application firewall capabilities	APFW				*Self Test*			
		support of intrusion detection capabilities	IDS				**N3_IDS_v1.3**			
		support of intrusion protection capabilities	IPS				**N4_IPS_v1.3**			
SP500-267	6.5	**Link Specific Technologies**								
		support of robust packet compression services	ROHC				Self Test		Self Test	
		support of link technology [O:1]	Link= Ethernet	P			Self Test	*Self Declaration*	Self Test	*Self Declaration*
		(repeat as needed) support of link technology	Link=							

12 **< Check HERE if this stack's DOC includes additional information about tested capabilities and options on an attached page 3 of notes.**

Level	Level of support for USGv6-v1 Requirements for capability.
	Blank - SDOC makes no declaration for this capability.
P	Passed required tests of USGv6-V1 requirements for these capabilities.
N	See notes page for details on the level of support of USGv6-v1 reequirements for this capability.
X	USGv6 capability not supported in product.

Color	Indication of USGv6-v1 Recommended Level of Support for device type / stack role.
	Indicates capability that is recommendend as mandatory (unconditional MUST) in the USGv6-v1 Profile.
	Indicates cabability that is unusal for a given device type / stack role. Do not select without careful analysis.
	Indicates capability that is left optional / ocnditional by the recommedations of the USGv6-v1 Profile.

Test Suite - Specific USGv6 Test suite used for test. See: http://www.antd.nist.gov/usgv6/test-specifications.html

Test Lab / Result ID - Abbreviation of accredited laboratory and its local identifier for this test result.

Note # - reference to a detailed note about this capability or result on attached page.

Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.