Product Identifier:		NVIDIA® Cumulus Linux	1
NULLE LA Cara	2286 5		
NUTUTA Corpo	2188 >0	n Tomas Expressionary	
Ponte Cle	ra, CA 9505		
statet i statet i seda da i gandera (en dalai si seda	1117 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 1 4.2	는 그 그는 그 또는 그 또는 그 것은 그는 것은 것을 통해 가지 않는 것을 얻어야 한다. 것은	
			1
All supported hardware as per ou	r naroware Compatibility List, online here: I	https://cumulusnetworks.com/products/hardware-compatibility-list/	
en popular el depletar en la construcción de la construcción de la construcción de la construcción de la const El Receberra de la construcción de l	an an an an Angalan an an an an ann an Angalan. Bha an ann an Angalan an an Angalan an an Angalan.		
	USGv6-v1-Router: IPv6-Base+Addr-Ar	rch+SLAAC+Link = Ethernet	
All of the declared USGv6 capabilities of this product are	Some or all of the USGv6 capabiliti	ies of this product are provided by the use and/or integration of umodified components that have their own	
addressed by orginal test results reported in this SDOC.		elevant referenced SDOCs are identified in section 6 and attached. This product's page 2 will indicate specific referenced components (product-id/stack-id).	
		이는 이상은 것은 것을 해외되었다. 이상은 것은 것은 것은 것을 위해 가지 않는 것이 있는 것을 가지 않는 것을 가지 같은 것은	
[1]			
[2]			
[3] [4]			
	k environments. That is, no claimed capabilities a s 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.	
YES		YES	
not, the stacks/ports not covered are docu	port for each unique IPv6 stack in the product. If mented, and how their lov6 capabilities differ	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	
from those reported are explained.		specific conformance and interoperability test results for the USGv6 capabilities of an identified member of this product tamily are provided in this SDOC. The SDOC attests that these tested USGv6 capabilitiesare identical and unmodified for all the products cited above.	
YES		YES	
Signature		Date January 29, 2021	
Print Name / Title	Provide Contraction		
ee instructions for fields 1-12 on Pege 4.	President, Engin	cering	
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		iers Declaration of Conformity for USGv6			T •					
Product lo	d:	NVIDIA® Cumulus Line	ux		Stack I	d:			4.2	
			Context /	Suppo	orted Capa	abilities		USGv6 Testing P	Program Results	
Spec /			Configuration				Test Suite	Test Lab / Result ID, Note #, or	Test Suite	
Reference			Option	Host	Router	NPD	Conformance/NPD	Component Ref	Interoperabili	
SP500-267	6.1	IPv6 Basic Requirements								
		support of IPv6 base (IPv6;ICMPv6;PMTU;ND)	IPv6-Base		P		Basic_v1.*_C	UNH-IOL/32397	Basic_V1.*	
		support of PMTU Discovery Protocol requirements	PMTU		P		Basic_v1.*_C	UNH-IOL/32397	Basic_V1.*	
		support of stateless address auto-configuration			P		SLAAC-V1.*_C	UNH-IOL/32397	SLAAC-V1.*	
		support of Creation of Global Addresses			Р		SLAAC-V1.*_C	UNH-IOL/32397	SLAAC-V1.*	
		support of SLAAC privacy extensions.	PrivAddr				Self Test		Self Test	
		support of stateful (DHCP) address auto-	DHCP-Client				DHCP_Client_v1.*_C		DHCP_Client_v Self Test	
		support of automated router prefix delegation support of neighbor discovery security extensions	DHCP-Prefix SEND				Self Test Self Test		Self Test	
P500-267	6.6	Addressing Requirements	JEND				Sen rest		3611 1631	
P 300-207	0.0	support of addressing architecture reqts	Addr-Arch		P		Addr_Arch_v1.*_C	UNH-IOL/32399	Addr_Arch_v1	
		support of addressing architecture requisising architecture requisising architecture requisition and the support of cryptographically generated addresses	CGA				Self Test	0111-101/32399	Self Test	
P500-267	6.7	IP Security Requirements	UGA						36117631	
or 300-207	0.7	support of the IP security architecture	IPsecv3				IPsecv3_v1.*_C		IPsecv3 v1. ³	
		support for automated key management					IKEv2_v1.*_C		IKEv2 v2.*	
		support for encapsulating security payloads in IP	ESP				ESPv3 v1.* C		ESP_v1.*_	
P500-267	6.11	Application Requirements	LOI							
1 300-201	0.11	support of DNS client/resolver functions	DNS-Client				Self Test		Self Test	
		support of Socket application program interfaces	SOCK				Self Test		Self Test	
		support of IPv6 uniform resource identifiers	URI				Self Test		Self Test	
		support of a DNS server application					Self Test		Self Test	
		support of a DHCP server application					Self Test		DHCP_Serv_v	
P500-267	6.2	Routing Protocol Requirements	Biller Beller							
	•	support of the intra-domain (interior) routing	IGW				Self Test		OSPFv3_v1.	
		support for inter-domain (exterior) routing protocols	EGW				Self Test		BGP_v1.*	
P500-267	6.4	Transition Mechanism Requirements								
		support of interoperation with IPv4-only systems	IPv4				Self Test		Self Test	
		support of tunneling IPv6 over IPv4 MPLS services	6PE				Self Test		Self Test	
P500-267	6.8	Network Management Requirements							Self Test	
		support of network management services	SNMP				Self Test		Self Test	
P500-267	6.9	Multicast Requirements								
		support of basic multicast	Mcast				Self Test			
		full support of multicast communications	SSM				Self Test		Self Test	
P500-267	6.10	Mobility Requirements								
		support of mobile IP capability.	MIP				Self Test		Self Test	
		support of mobile network capabilities	NEMO				Self Test		Self Test	
P500-267	6.3	Quality of Service Requirements								
		support of Differentiated Services capabilities	DS				Self Test		Self Test	
P500-267	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					N3_IDS_v1.3			
		support of intrusion protection capabilities	IPS				N4_IPS_v1.3			
P500-267	6.5	Link Specific Technologies								
		support of robust packet compression services	ROHC				Self Test		Self Test	
		support of link technology [O:1]	Link=Ethernet		Р		Self Test	Self Declaration	Self Test	
		(repeat as needed) support of link technology	Link=							
12		< Check HERE if this stack's DOC include	es additional i	nforma	tion abo	out test	ed capabilities and o	ptions on an attached page 3	3 of notes.	
Level	Level o	f support for USGv6-v1 Requirements for capabil	itv.			Color	Indicatio	on of USGv6-v1 Recommended Le	vel of Support for	
	1	SDOC makes no declaration for this capability.	•					recommendend as mandatory (unc		
			anahilities					unusal for a given device type / stac	/	
		assed required tests of USGv6-V1 requirements for these capabilities. See notes page for details on the level of support of USGv6-v1 reequirements for this capability.								
		capability not supported in product.			apapility.			left optional / ocnditional by the reco		
~	100000									
st Suite -	Specific	USGv6 Test suite used for test. See: http://www.anto	d.nist.gov/usgv6/te	est-speci	fications.h	tml		Note # - reference to a	detailed note abou	
		- Abbreviation of accredited laboratory and its local in					Component Ref - Supplier / Product / Stack ID of distinctly tested compor			
est Lab / R	kesuit ID			si i couii.				- Supplier / Froundly Stack ID of uis	uncuy tested com	

USC	6v6-v1	SDOC-v1.10	Page 2			
te	Test I	Lab / Result ID, N	ote #, or			
oility		Component Re	f			
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.*_	UNH-IC	DL/32398				
 I.*_I	UNH-IC	DL/32398				
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nponent that provides this capability.

Suppliers Declaration of Conformity for USGv6 Products: Notes Page and Detailed Test Results Summary							USGv6	-v1 SDOC-v1.10 Page 3			
Field	Field Product Id: Stack Id:										
13	13			Context /	Supported Capabilities		abilities	s	Notes about USG	Notes about USGv6-v1 Capabilities.	
Note #	Spec / Reference	Section	USGv6-v1 Profile Requirements	Configuration Option	Host	Router	NPD	Test Suite Conformance/NPD	Test Lab / Result ID, Note	Test Suite Interoperability	Test Lab / Result ID, Note
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Discussion	1:			1							
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Discussion	1:										
Vendor's (General Notes	/ Discussi	on about this Product / Stack's capabilities:								

Suppliers Declaration of Conformity for USGv6 Description and Instructions

USGv6-v1 SDOC-v1.10 Page 4

General: This document describes network product from the identified supplier that claims support of USGv6 capabilities. General product and supplier identification is given on Page 1. Overall results of testing USGv6 capabilities for conformance, interoperability and network protection are given on Page 2. Detailed instructions for completing and interpreting each numbered field are given below. Note USGv6 Testing website at: http://www.antd.nist.gov/usgv6/testing.html. Contact: usgv6-project@antd.nist.gov.

Field	Description and Instructions	Field	Description and Instructions
1	The Document Requiring Conformity : Identifies the profile version implemented. Not a user completable field.	11	Summary of Results : The format of this table mirrors the USGv6-v1.0 capabilities checklist (USGv6 Profile, Appendix A). The 12 categories of USGv6 capabilities are listed as subheadings, with subsidiary functions as line items. Configuration options related to conditional implementation of selected capabilities.
2	Product Identifier: Supplier's concise name for the product declared.		Product Id/Stack Id : The identification line of this page includes space for Product Id and Stack Id labels. Product Id is the same as given on Page 1. As there may be more than one unique IPv6 stack implemented in the product, the Stack Id field identifies the particular stack described. One Results Summary page per stack is required.
3	Suppliers Name, Address and Contact Details : Company name and point of contact for SDOC questions, street address, phone and email.		Host, Router and Network Protection (NPD) columns identify 'preferred' options: cells in green represent the NIST recommendations. Cells in grey denote atypical options, very unlikely to be implemented. The procuring Agency may additionally tailor these fields to indicate requirements for this acquisition.
4	Product as Tested/Declared : Product Identifier and detailed version information. If this SDOC reports oringal test results (page 2), include information about the specific product configuration(s) that was actually tested (e.g., hardware configuration, operating system, etc).		Test Suite Conformance and Interoperability columns identify capability sets for which a public test suite exists, and the versions applicable to USGv6-v1.0 test results. Major version v1 and all its minor versions are deemed acceptable. Over time, new versions will be added and older ones retired. There may be periods when more than one major version is acceptable concurrently.
5	Product Family : A list of other products that use the same, unmodified IPv6 stacks such that their USGv6 capabilities are identical in form and function to the specific product configuration above. Test labs are only required to affirm the results for specific products tested. Test labs optionally may affirm recognized product families.		The supplier completes the adjacent Test Lab and Result Id column with the test lab acronym and unique result identifier (See Test Lab and Accreditor page on the Website). The buyer may opt to query results with the test laboratory using the specified Result Id(s). The supplier may opt to provide particular explanation of some results (partial results, additional options) in which case reference to note on an attached page 3. (e.g. "See Note# N"). See the USGv6 testing website to identify the test lab, and find contact details.
6	USGv6 Capability Summary : The USGv6 stack implementation summary as identified by the '+' notation described in the USGv6 profile, Appendix A. For each IPv6 stack implementation in the product, a distinct Stack Id and reference to the attached Results Summary page (Page 2).		Cells marked Self Test have no associated public test suite. If implemented by the supplier, the required adjacent annotation is "Self Declaration". Note that vendors declaring support for such a capability are declaring support for the associated specific requirements in the USGv6 Profile.
7	Self Contained or Composite SDOC : If this SDOC relies on the test results of other disinct products, list the Supplier & Product ID/Stack IDs referenced and attach those original SDOCs to this one.	12	Additional Options Tested: Vendor checks if it is desired to record tested options not part of the 'Musts' in the profile. Explanations on the page following the results summary. Headings and Special Notations: as described.
8	Additional Declarations / Attachements: List the supplier / product ID / Stack ID of any test results of composite components referenced by this SDOC.		Options for Test Lab and Result Id: Currently 3 cases: (1) the test lab acronym and alphanumeric Id of the result set as assigned by the test laboratory; (2) 'Self declaration' denoting the supplier attests to adequate QA testing of the capability; (3) See attachment or note 'N', where the supplier explains variations in greater detail.
9	Supplementary Attestations : Suppliers disclosure of IPv6 only capabilities; multiple stacks present; product family applicabilities. These are not included to qualify or disqualify a product from purchase considerations, but to inform network administrators of potential configuration options relevant to USGv6 interoperability. Check all that apply.	13	Stack-1 Notes Instructions : The supplier may choose to use the Notes (page 3) in order to clarify unsupported features or non passing results. Each Note # must reference the same Note # from Page 2.
10	Signature Block : Wet ink signature of the responsible product manager, dated. Printed name and position title on the line below.		Complete the Note by including the Spec/Reference and Section (i.e. RFC or USGv6 Profile version), USGv6-v1 Profile Requirements, Config Option (i.e. IPv6-Base), choosing Host/Router/NPD, and Test Selection table version along with Test Lab Result ID. The Discussion includes details about the test result that will

Further Description: http://www.antd.nist.gov/usgv6/testing.html, and NIST SP 500-267 USGv6 Testing Program Users Guide available at the website.

be disclosed to the buyer.