



	Release 8.2.2	Release 8.3	Release 8.4	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x			
Туре	FRR	FRR	FRR	FRR	FRR						
Commit ID	79188bf	gd19215c	Released								
Commit Date	2022-03-13	2022-08-07	2022-11-03								
IGMP-1.2	DUT supporti	ng IGMP route	r			l	ı				
MUST		Quick test to verify that DUT supports an IGMP router behavior i.e. it sends an IGMP general query at startup									
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested								
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass								
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested								
IGMP-2.1			s7 page 13 Ro								
SHOULD	Upon startin	ng the router	r should mult	cicast a gene	eral query						
	untested	untested	untested								
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass								
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested								
IGMP-2.2	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description							
SHOULD	On startup, a router SHOULD Multicast [Startup Query Count] General Queries spaced closely together [Startup Query Interval] (This test is for number of startup General Queries)										
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested								
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass								
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested								
IGMP-2.3	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description							
SHOULD	General Que	ries spaced o	OULD Multicas closely toget nterval betwe	her [Startur	Query Inter						
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested								
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass								
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested								





	Release 8.2.2	Release 8.3	Release 8.4	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	
IGMP-2.4	RFC 2236, IG	MP Version 2,	s3 p4 Protocol	I Description					
MUST	Routers periodically [QUERY_INTERVAL] multicast a general query on each attached network for which this router is the querier								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-2.5	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description					
MUST			ears a query ST become a r						
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-2.6	NEGATIVE: F	RFC 2236, IGM	P Version 2, s	3 p4 Protocol [Description				
миѕт		f a multicast router hears a query message from a router with ower IP address, it MUST become a non-querier for that network							
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-2.7	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description					
миѕт			tup Query Cou ery after QUE		queries, a ro	outer			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						





	Release 8.2.2	Release 8.3	Release 8.4	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	
IGMP-2.8	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	Description R	FC 2236, IGM	P Version 2, s2	2 p2 Introductio	n	
MUST	A general query is addressed to ALL-SYSTEMS, has a Group Address field of 0 and a Max Response Time of [Query Response Interval].								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-3.2	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	Description					
миѕт			a report, it	_		ported to			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-3.3	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	Description					
миѕт		_	ding remotely BERSHIP_INTER		multicasts f	for			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-3.8	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	Description		•	•		
SHOULD	Routers SHOW	_	leave group	message beir	g addressed	to the			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						





	Release 8.2.2	Release 8.3	Release 8.4	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	
IGMP-3.9	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	I Description					
MUST	A querier multicasts [Last Member Query Count] Group-Specific Queries every [LAST_MEMBER_QUERY_INTERVAL] upon receiving a Leave message								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-3.10	RFC 2236, IG	MP Version 2,	s3 p6 Protoco	I Description					
MUST		_	er transitio val * Last Me		_	period of			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: FAIL	Ubuntu 18.04: FAIL	Ubuntu 18.04: FAIL						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-3.11	RFC 2236, IG	MP Version 2,	s3 p6 Protoco	I Description					
SHOULD			Leave Group m		which there	are no			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-5.4	NEGATIVE: F	RFC 2236, IGM	P Version 2, se	6 p8 Host State	e Diagram				
MUST	To be valid be 8 octets		essage MUST h	nave the righ	nt checksum a	and must			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						





	Release 8.2.2	Release 8.3	Release 8.4	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	
IGMP-5.6	NEGATIVE: F	RFC 2236, IGN	IP Version 2, se	6 p8 Host State	e Diagram				
миѕт	To be valid a report must have a valid checksum and any greater than 8 octets long must be accepted for future compatability								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-5.10	NEGATIVE: F	RFC 2236, IGM	IP Version 2, se	6 p9 Host State	e Diagram				
SHOULD	The Leave me	essage is se	nt to ALL-ROU	JTERS					
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-6.1	NEGATIVE: F	RFC 2236, IGN	IP Version 2, s	7 page 13 Rou	ter State Diagr	am			
MUST	To be valid must be 8 or		ssage must ha	ave correct]	GMP checksum	n and			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						
IGMP-6.3	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram				
MUST			Group-Specif			nsmit			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						





	Release 8.2.2	Release 8.3	Release 8.4	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x		
IGMP-6.4	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram	•	•	•		
MUST	The Group-Specific query has a Max Response Time of [Last Member Query Interval]									
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested							
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass							
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested							
IGMP-6.5	RFC 2236, IG	MP Version 2,	s3 page 5 Pro	tocol Description	on		•	•		
MUST		querier-non- een sent out	-querier trar	sition when	a group-spe	cific				
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested							
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass							
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested							
IGMP-6.6	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram			•		
MUST	10 IGMP v2 hosts join and leave 2 groups on 2 different interfaces DUT is an IGMP v2 router (Tests an IGMP router behavior according to router state machine on its multiple interfaces)									
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested							
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass							
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested							
IGMP-6.7	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram	1	1	1		
MUST		GMP router be	nd leave a gr ehavior accor							
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested							
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass							
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested							





	Release 8.2.2	Release 8.3	Release 8.4	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	
IGMP-6.9	RFC 2236, IG	RFC 2236, IGMP Version 2, s7 page 13 Router State Diagram							
MUST	10 IGMP v2 hosts join and leave a group, DUT is an IGMP v2 router. 10 remotely originated multicast packets are sent to the DUT (Tests an IGMP router behavior including its multicast packet forwarding capability according to router state machine Free BSD 10.3 Free BSD 10.3 Free BSD 10.3								
	untested	Free BSD 10.3 untested	Free BSD 10.3 untested						
	Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: pass pass pass								
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested						