



	Release 8.2.2	Release 8.3	Release 8.4	Release 8.5	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	99477bc	86a5e5a				
Commit Date	2022-03-13	2022-08-07	2022-11-03	2023-03-14				
IGMP-1.2	DUT supporti	ng IGMP route	r					
миѕт		to verify tha			outer behavi	.or		
	Free BSD 10.3	Free BSD 10.3	Free BSD 10.3	Free BSD 10.3				
	untested	untested	untested	untested				
	Ubuntu 18.04:	Ubuntu 18.04:	Ubuntu 18.04:	Ubuntu 18.04:				
	pass	pass	pass	pass				
	Free BSD 12.0	Free BSD 12.0	Free BSD 12.0	Free BSD 12.0				
	untested	untested	untested	untested				
IGMP-2.1	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram			
SHOULD	Upon startin	ng the router	should mult	cicast a gene	ral query			
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass				
	Free BSD 12.0 untested	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	Free BSD 10.3 untested				
	Ubuntu 18.04: pass	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	Free BSD 12.0 untested				
IGMP-2.3	RFC 2236, IG	iMP Version 2,	s3 p4 Protoco	I Description				
SHOULD	General Que	a router SHO ries spaced o is for the in	closely toget	her [Startup	Query Inter			
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass				
	Free BSD 12.0 untested	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 8.5	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 Protoco	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	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	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	Free BSD 12.0 untested					
IGMP-2.5	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	I Description					
MUST				message from non-querier f					
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass					
	Free BSD 12.0 untested	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 D	escription				
MUST	If a multicast router hears a query message from a router with lower 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	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	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	Free BSD 12.0 untested					
IGMP-2.7	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description					
MUST			tup Query Cou ery after QUE	ant general q	queries, a ro	outer			
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass					
	Free BSD 12.0 untested	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 8.5	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 Introduction	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	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	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	Free BSD 12.0 untested					
IGMP-3.2	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	l Description					
MUST	RFC 2236, IGMP Version 2, s3 p5 Protocol Description When a router receives a report, it adds the group being reported to the list of multicast group memberships on the network.								
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass					
	Free BSD 12.0 untested	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	I Description					
MUST	The router stops forwarding remotely-originated multicasts for a group after GROUP_MEMBERSHIP_INTERVAL								
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass					
	Free BSD 12.0 untested	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	l Description					
SHOULD	Routers SHOW		leave group	message bein	g addressed	to the			
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass					
	Free BSD 12.0 untested	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 8.5	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 Protocol	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	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	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	Free BSD 12.0 untested					
IGMP-3.10	RFC 2236, IG	MP Version 2,	s3 p6 Protoco	I Description					
MUST		-		on is ignored ember Query C	_	period of			
	Free BSD 10.3 untested	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	Ubuntu 18.04: FAIL					
	Free BSD 12.0 untested	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	l Description					
SHOULD	Queriers SHOULD ignore Leave Group messages for which there are no group members on the reception interface								
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass					
	Free BSD 12.0 untested	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	t checksum a	and must			
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass					
	Free BSD 12.0 untested	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 8.5	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x			
IGMP-5.6	NEGATIVE: F	RFC 2236, IGM	IP Version 2, s	6 p8 Host State	e Diagram						
MUST		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	Free BSD 10.3 untested							
	Ubuntu 18.04: pass	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	Free BSD 12.0 untested							
IGMP-5.10	NEGATIVE: F	RFC 2236, IGM	IP Version 2, s	6 p9 Host State	e Diagram						
SHOULD	The Leave me	essage is ser	nt to ALL-ROU	JTERS							
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass							
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested							
IGMP-6.1	NEGATIVE: F	RFC 2236, IGM	IP Version 2, s	7 page 13 Rou	ter State Diagr	am					
MUST	To be valid, a leave message must have correct IGMP checksum and must be 8 octets long										
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass							
	Free BSD 12.0 untested	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				ic query whe		nsmit					
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass							
	Free BSD 12.0 untested	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 8.5	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	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	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	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 tran	nsition when	a group-spec	cific				
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	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	Free BSD 10.3 untested						
	Ubuntu 18.04: pass	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	Free BSD 12.0 untested						
IGMP-6.7	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram		•			
MUST		GMP router be		roup, DUT is rding to rout						
	Free BSD 10.3 untested	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	Ubuntu 18.04: pass						
	Free BSD 12.0 untested	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 8.5	Release x.x.x	Release x.x.x	Release x.x.x	Release x.x.x	
IGMP-6.9	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram				
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 Free BSD 10.3								
	untested	untested	untested	untested					
	Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: pass pass pass pass								
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					