



Why	<b>Testing Net</b>	works ?
☐ Making the net	twork up and runnir work better iveness of testing	ıg
☐ Third-party tes	C	
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		vironmen ensions	t		
Network	Real-world load Emulated network	Real-world load Real-world network			
Network Load	Emulated load Emulated network	Emulated load Real-world network			
Test Network Configuration					
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	Test Philosoj	phy		
□ Response t	time			
□ Featute/Fu	nctionality			
🗖 Throughpu	ıt			
□ Acceptanc	□ Acceptance			
Configuration sizing				
□ Reliability				
□ Bottleneck	identification and proble	em isolation		
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	Test Methodo	logy			
	An orderly system of procedures to ensure that the test results meet the test objective.				
□ The test	results should be				
→Accura	te				
→Reprod	→ Reproducible				
→Releva	nt				
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Test M	ethodology Co	omponents		
🗖 Planning				
Load modelin	g			
Test configura	ation			
□ Data collection				
Data interpretation (Relevant results)				
Data presentat	ion (Actionable resul	lts)		
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<b>IP Multicast Test (2)</b>							
• X-Stream							
1	2	3	4	2	3	4	
2	3	4	1	3	4	1	
3	4	1	2	4	1	2	
4	1	2	3	1	2	3	
• MCAST X-Stream (k) /* input line load = $1/k$ and $k=2$ (typical value) */							
1	b	с	d	b	с	d	Multicast groups for $k=2$
2	с	d	а	с	d	a	$a=\{1, 2\}$ $b=\{2, 3\}$
3	d	a	b	d	a	b	$c = \{3, 4\}$ $d = \{4, 1\}$
4	а	b	с	а	b	c	
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