

IxChariot

Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\UDP\4 to 2 (Quad)\4to2UDPQuad.tst

Console version	7.10 SP4
Console build level	207
Console product type	IxChariot Eval
Filename	C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\UDP\4 to 2 (Quad)\4to2UDPQuad.tst
Run start time	Monday, August 08, 2011, 7:53:21 AM
Run end time	Monday, August 08, 2011, 7:53:23 AM
Elapsed time	00:00:02
How the test ended	Ran to completion
Number of pairs	4

Run Options

End type	Run until any pair ends
Reporting type	Real-time
Automatically poll endpoints	Yes
Polling interval (minutes)	1
Stop run upon initialization failure	Yes
Connect timeout during test (minutes)	0
Stop test after this many running pairs fail	1
Collect endpoint CPU utilization	No
Collect TCP statistics	No
Allow pair reinitialization for setup	No
Maximum number of setup reinitializations	3
Setup reinitialization wait interval (milliseconds)	10
Allow pair reinitialization at runtime	No
Maximum number of runtime reinitializations	3
Runtime reinitialization wait interval (milliseconds)	10
Validate data upon receipt	No
Use a new seed for random variables on every run	Yes
Datagram window size (bytes)	1500
Datagram retransmission timeout (milliseconds)	200
Datagram number of retransmits before aborting	50
Receive Timeout (milliseconds)	10000
Time To Live (Hops)	32
Low sender jitter	No
Use RTP extended headers	No
Enable Ixia hardware timestamps	Yes
Clock synchronization	'Endpoint synchronization'
Console Service Quality	
Endpoint Service Quality	
Number of Overlapped Sends	4

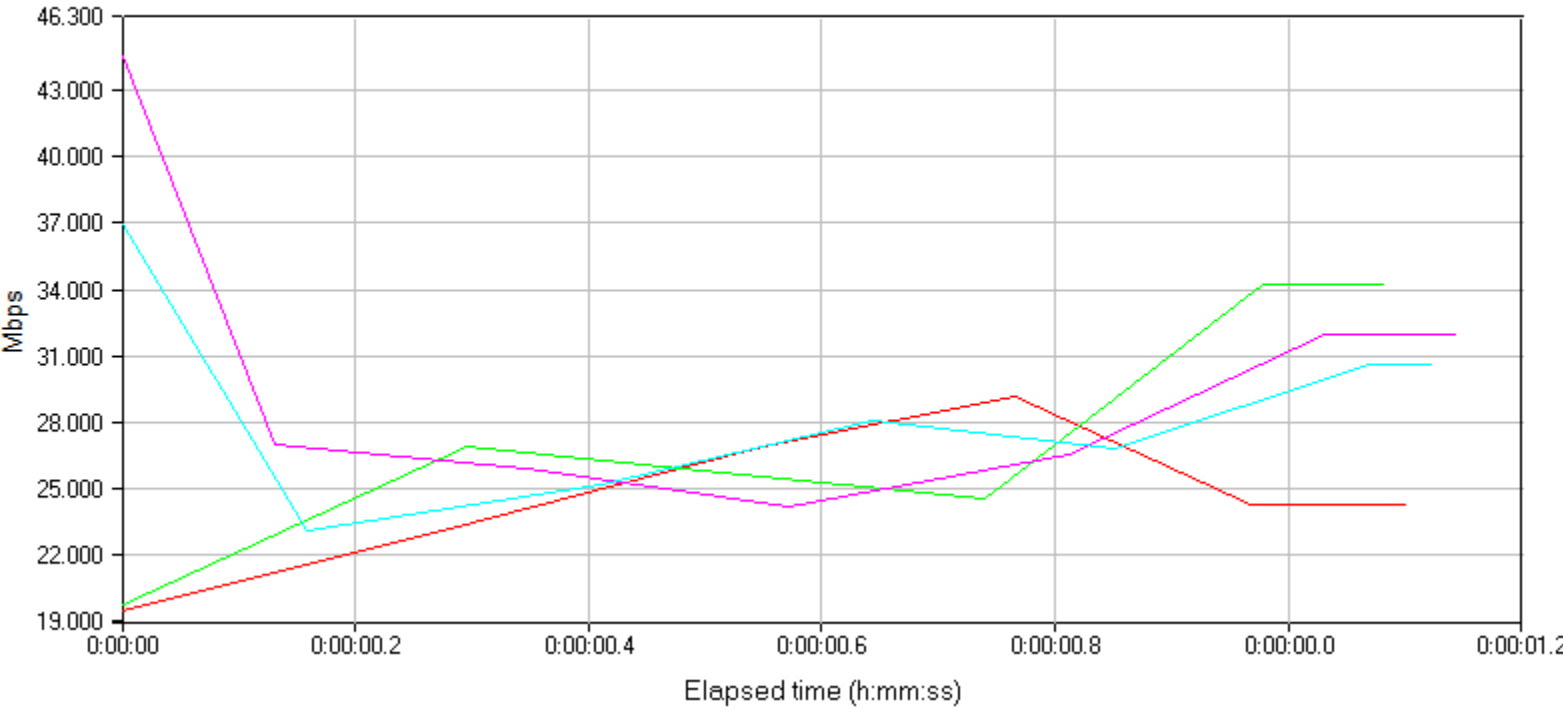
Test Execution (Endpoint 1 to Endpoint 2)

Group/ Pair	Endpoint 1	Endpoint 2	Network Protocol	Endpoint 1 Service Quality	Endpoint 2 Service Quality	Script/Stream Name
All Pairs						
Pair 1	10.0.1.140	10.0.1.141	UDP			UDP_Throughput.scr
Pair 2	10.0.1.140	10.0.1.141	UDP			UDP_Throughput.scr
Pair 3	10.0.1.140	10.0.1.141	UDP			UDP_Throughput.scr
Pair 4	10.0.1.140	10.0.1.141	UDP			UDP_Throughput.scr

Throughput

Group/ Pair	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)	Throughput 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	102.506	19.532	44.580			
Pair 1	24.220	19.532	29.200	8.290	1.100	34.228
Pair 2	24.891	19.730	34.261	9.916	1.083	39.839
Pair 3	28.634	24.232	44.580	8.615	1.145	30.088
Pair 4	27.475	23.083	36.962	11.111	1.124	40.440
Totals:	102.506	19.532	44.580			

Throughput



Lost Data

Group/ Pair	Bytes Sent by E1	Bytes Received E2 (Streaming)	Bytes Lost from E1 to E2	Percent Bytes Lost E1 to E2	E1 Throughput (Mbps)	Maximum Consecutive Lost Datagrams	Measured Time (secs)	Relative Precision
All Pairs	292,000,000	14,658,400	277,341,600	94.980		n/a		
Pair 1	73,000,000	3,330,260	69,669,740	95.438	530.909	n/a	1.100	34.228
Pair 2	73,000,000	3,369,680	69,630,320	95.384	539.243	n/a	1.083	39.839
Pair 3	73,000,000	4,098,220	68,901,780	94.386	510.044	n/a	1.145	30.088
Pair 4	73,000,000	3,860,240	69,139,760	94.712	519.573	n/a	1.124	40.440
Totals:	292,000,000	14,658,400	277,341,600	94.980		n/a		

Datagram (Endpoint 1)

Group/ Pair	Total Datagrams Sent by E1	Duplicate Datagrams Sent by E1	Total Datagrams Received by E1	Duplicate Datagrams Received by E1	Datagrams Lost, E1 to E2
All Pairs	200,000	n/a	n/a	n/a	189,960
Pair 1	50,000	n/a	n/a	n/a	47,719
Pair 2	50,000	n/a	n/a	n/a	47,692
Pair 3	50,000	n/a	n/a	n/a	47,193
Pair 4	50,000	n/a	n/a	n/a	47,356
Totals:	200,000	n/a	n/a	n/a	189,960

Datagram (Endpoint 2)

Group/ Pair	Total Datagrams Sent by E2	Duplicate Datagrams Sent by E2	Total Datagrams Received by E2	Duplicate Datagrams Received by E2	Datagrams Lost, E2 to E1	Datagrams Out of Order
All Pairs	n/a	n/a	10,040	n/a	n/a	n/a
Pair 1	n/a	n/a	2,281	n/a	n/a	n/a
Pair 2	n/a	n/a	2,308	n/a	n/a	n/a
Pair 3	n/a	n/a	2,807	n/a	n/a	n/a
Pair 4	n/a	n/a	2,644	n/a	n/a	n/a
Totals:	n/a	n/a	10,040	n/a	n/a	n/a

This network performance test was created and run using Ixia's ***IxChariot***. Visit the [Ixia home page](#) for more information.