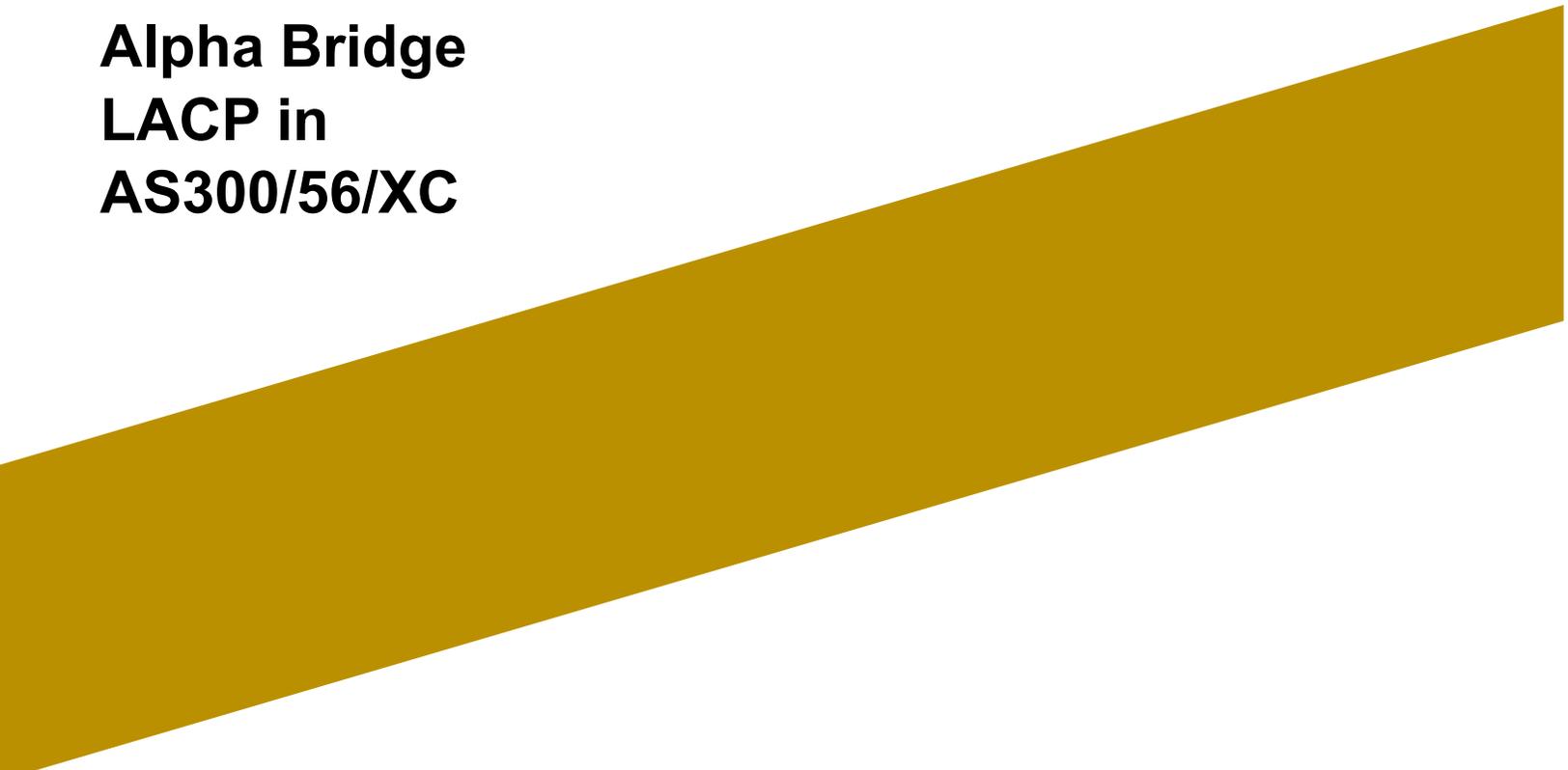
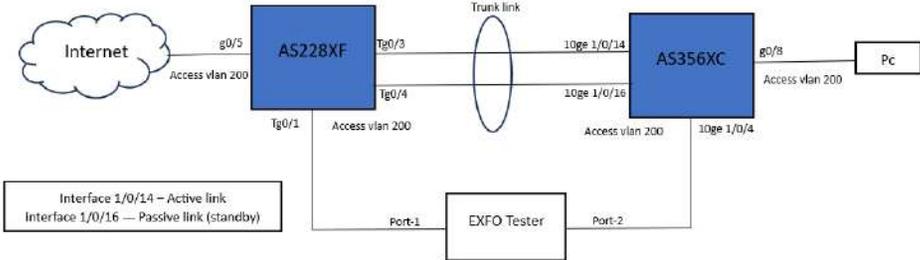


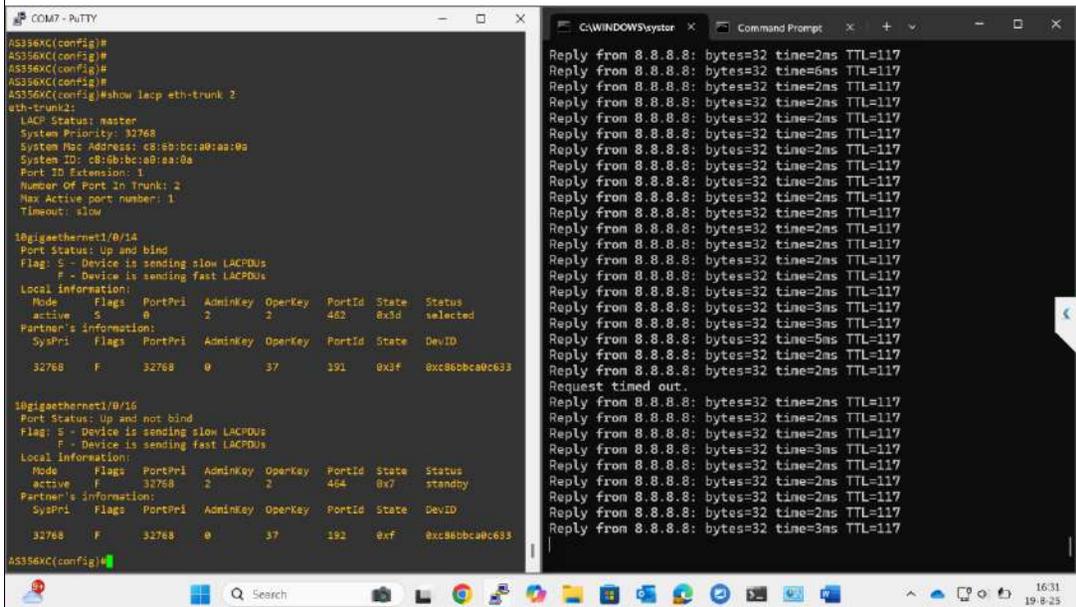
**Alpha Bridge
LACP in
AS300/56/XC**



Test	LACP with Active and passive mode in AS300/56/XC
Test procedure	
configuration	<p>Configuration in AS356XC:</p> <pre> ! hostname AS356XC ! Vlan 1,200 ! interface vlan 200 ip address 192.168.200.241/24 ! interface eth-trunk 2 // creating the aggregator group mode lacp-static // mode as LACP port link-type trunk port trunk allow-pass vlan all active-linknumber max 1 // to set the maximum number of active links, remaining will be in standby ! interface 10gigaethernet 1/0/14 join eth-trunk 2 // assign the interface to aggregator group lacp priority 0 ! </pre>

```
interface 10gigaethernet 1/0/16
join eth-trunk 2 // assign the interface to aggregator group
!
Configuration in AS228XF:
!
hostname AS228XF
!
aggregator-group load-balance both-l4port // enabling the load-balancing
!
interface Port-aggregator1 // creating the aggregator group
agg-period 1
switchport mode trunk
!
interface GigaEthernet0/5
switchport pvid 200
!
interface TGigaEthernet0/3
aggregator-group 1 mode lacp // assign the interface to aggregator group
switchport mode trunk
!
interface TGigaEthernet0/4
aggregator-group 1 mode lacp // assign the interface to aggregator group
switchport mode trunk
!
interface VLAN200
ip address 192.168.200.243 255.255.255.0
no ip directed-broadcast
!
```


When the interface 1/0/14 is retored



Interface 1/0/14 changed to active, and interface 1/0/16 changed to standby.

Tester results

Stream	TX Rate (Mbit/s)	RX Rate (Mbit/s)			
		Current	Average	Minimum	Maximum
1	625.00	623.33	623.37	623.13	623.62
2	625.00	623.22	623.35	623.16	623.55
3	625.00	623.34	623.39	623.01	623.72
4	625.00	623.44	623.38	623.02	623.66
5	625.00	623.61	623.39	623.16	623.72
6	625.00	623.46	623.39	623.09	623.68
7	625.00	623.36	623.39	623.11	623.68
8	625.00	623.40	623.38	623.17	623.68
9	625.00	623.39	623.35	623.08	623.62
10	625.00	623.48	623.36	623.14	623.64
11	625.00	623.25	623.40	623.13	623.67
12	625.00	623.24	623.38	623.11	623.68
13	625.00	623.50	623.38	623.18	623.56
14	625.00	623.43	623.40	623.11	623.71
15	625.00	623.24	623.36	623.08	623.67
16	625.00	623.36	623.38	623.12	623.61
Total	10000.00	9974.13			

Traffic statistic in tester

	Line Utilization (%)	Ethernet BW (Mbit/s)	Frame Rate (frame/s)	Frame Count
Total TX	100.0000	9869.96	812744	198183846
Total RX	99.7415	9844.44	810643	197671510

Frame Type	TX Count	RX Count	Frame Size	RX Count	%
Multicast	0	123	< 64	0	0%
Broadcast	0	0	64	123	0%
Unicast	198183846	197671387	65 - 127	0	0%
Non-Unicast	0	123	128 - 255	0	0%
Total	198183846	197671510	256 - 511	0	0%
			512 - 1023	0	0%
			1024 - 1518	197671387	99.9%
			> 1518	0	0%
			Total	197671510	

Remarks	When the active link is down, the passive link (standby) becomes the active link and the traffic will flow through that.
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