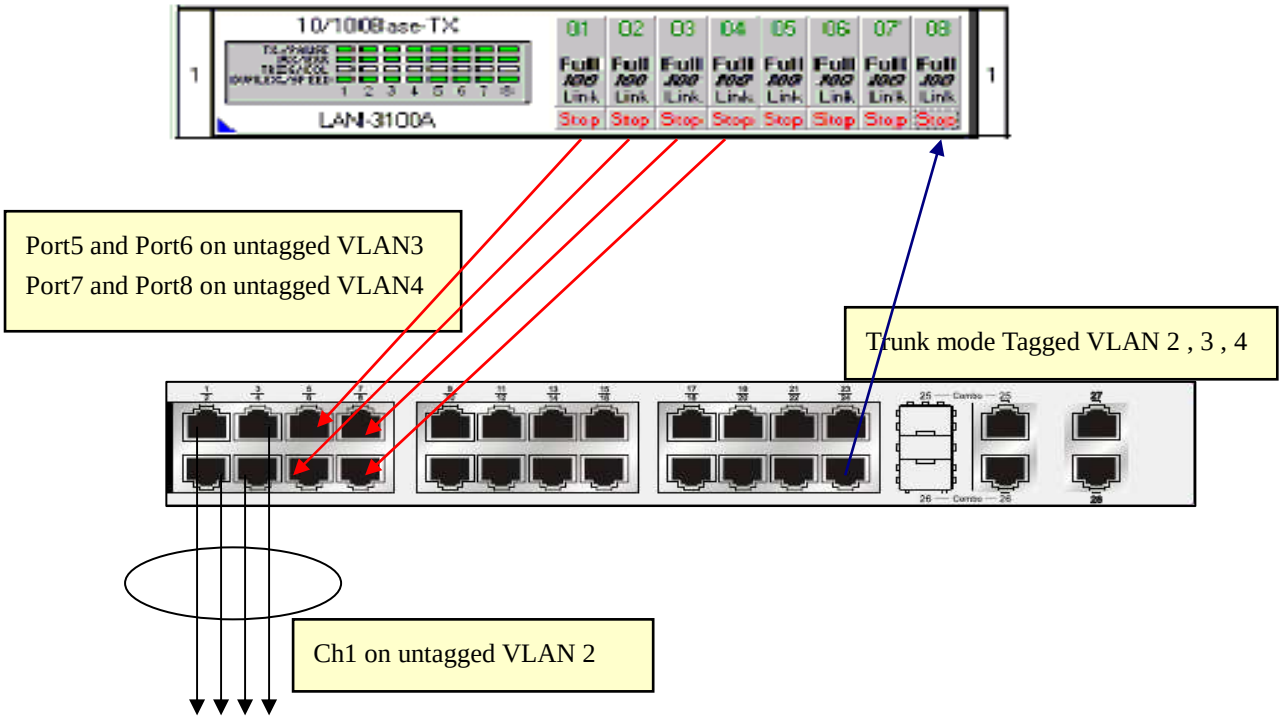
Traffic Segmentation Test

1.1 Purpose

To verify Traffic Segmentation can work on specific ports.

1.2 Test Setup



1.3 Procedure

S1. Reset the DUT to default setting.

S2. Create VLAN 2-4 on device.

S3. Assign port1-4 to port-channel group ch1.

S4. Set ch1 for VLAN2 untagged.

S5. Set port5-6 for VLAN3 untagged

S6. Set port7-8 for VLAN4 untagged.

S7. Set port24 for VLAN2-4 tagged.

S8. Configure ch1 to forward port24 only.

S9. Configure port5 to forward port24 only.

S10. Configure port7 to forward port24 only.

S11. Follow the configuration table below to setup Smart-Bit to transmit following stream.

	Port 1 of Smart-Bit	**Port 2 of Smart-Bit**	**Port 3 of Smart-Bit**	**Port 4 of Smart-Bit**	**Port 8 of Smart-Bit**
Mode	1000M/F		1000M/F		
Source Address	000000000007		00000000017		
Destination Address	FFFFFFFFFFFF		FFFFFFFFFFFF		
Frame Length	64		64		
Utilization %	100%		100%		
Burst	1000000		1000000		
Trigger Setup					

S12. Port-8 of Smart-Bit can receive traffic from Port-1 and Port-3.

S13. Port-2 can not receive traffic from Port-1.

S14. Port-4 can not receive traffic from Port-3.

1.4 Pass Criteria/Expected Results

Only target port can receive traffic from source port.

[CLI]

```
DGS3100# sh configuration running
create link_aggregation group_id 1
config link_aggregation group_id 1 ports 1:(1-4)
create vlan v2 tag 2
create vlan v3 tag 3
create vlan v4 tag 4
config vlan v2 add tagged 1:24,ch1
config vlan v2 add untagged ch1
config vlan v3 add tagged 1:(5-6,24)
config vlan v3 add untagged 1:(5-6)
config vlan v4 add tagged 1:(7-8,24)
config vlan v4 add untagged 1:(7-8)
config gvrp 1:(5-6) pvid 3
config gvrp 1:(7-8) pvid 4
config gvrp ch1 pvid 2
config ipif system ipaddress 192.168.2.11/24 vlan default
config traffic_segmentation 1:5 forward_list 1:24
config traffic_segmentation 1:7 forward_list 1:24
config traffic_segmentation ch1 forward_list 1:24
DGS3100#
```