

How to configure port segmentation in DES-3250TG

H/W ver. A1
F/W ver. 3.00B9

IEEE 802.1q VLANs require **Tagging** being enabled when overlapping VLANs. Not all network devices support tagged frames. In order to create multiple overlapping VLANs without tagging, you can utilise **Port Segmentation** feature.

Under Configuration > QoS > Traffic Segmentation create multiple segments which can overlap and can forward traffic to one or multiple ports.

By default all ports have Forward Portlist set to 1-50.

You can change Forward Portlist for one or multiple ports and set them to communicate with single or several ports. Multiple ports can be entered using dash and commas as in the example below:

The screenshot shows the D-Link DES-3250TG web interface in Microsoft Internet Explorer. The address bar shows <http://192.168.0.9/html/Hmain.html>. The left sidebar contains a navigation menu with the following items:

- DES-3250
 - Configuration
 - IP Address
 - Switch Information
 - Advanced Settings
 - Port Configuration
 - Port Mirroring
 - Link Aggregation
 - IGMP
 - Spanning Tree
 - Forwarding Filtering
 - VLANs
 - Port Bandwidth
 - SNTP Settings
 - Port Security
 - QoS
 - Traffic control
 - 802.1p default_priority
 - 802.1p user_priority
 - scheduling
 - Traffic Segmentation
 - LACP
 - Access Profile Table
 - System Log Servers
 - RAR Access Entry

The main content area displays the **Traffic Segmentation Setting** page. It includes a table for configuring port segmentation:

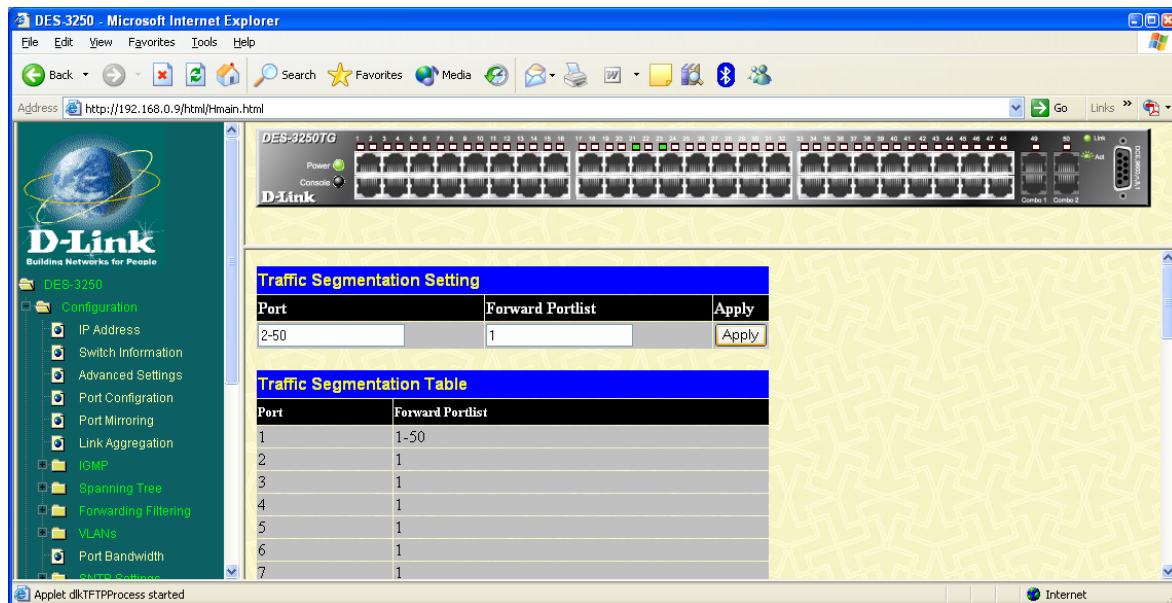
Port	Forward Portlist	Apply
2-4	1	Apply

Below this is the **Traffic Segmentation Table**:

Port	Forward Portlist
1	1-50
2	1
3	1
4	1
5	1, 5-10
6	1, 5-10
7	1, 5-10
8	1, 5-10
9	1, 5-10
10	1, 5-10
11	1, 8-50
12	1, 8-50
13	1, 8-50
14	1, 8-50
15	1, 8-50
16	1, 8-50
17	1, 8-50
18	1, 8-50

If you need to have all ports communicating with port 1 (e.g. to your router with Internet access) and at the same time to have all these ports not to communicate between each other, you will need to enter the following setting:

Port: 2-50 Forward Portlist: 1



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