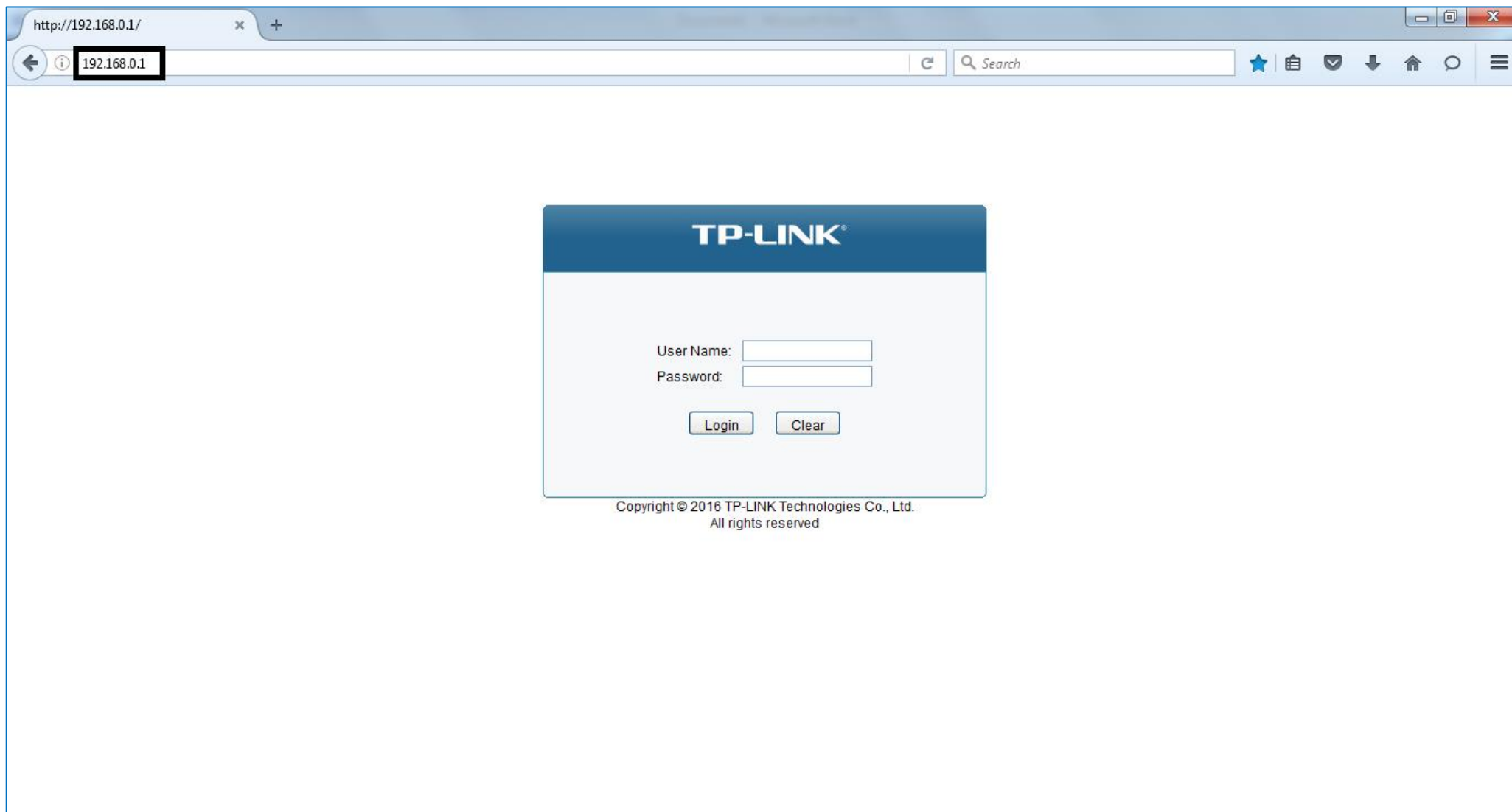


TP-LINK CONFIGURATION GUIDE



1. Login with default IP **192.168.0.1**



The image shows a web browser window with the address bar displaying `http://192.168.0.1/`. The address bar also contains a search icon and a search input field. The main content area displays the TP-LINK login page. The page has a blue header with the TP-LINK logo. Below the header, there is a light gray box containing the login form. The form has two input fields: "User Name:" and "Password:". Below these fields are two buttons: "Login" and "Clear". At the bottom of the page, there is a copyright notice: "Copyright © 2016 TP-LINK Technologies Co., Ltd. All rights reserved".

TP-LINK

User Name:

Password:

Login Clear

Copyright © 2016 TP-LINK Technologies Co., Ltd.
All rights reserved

2. Go to VLAN.

The screenshot shows the TP-LINK TL-SG108E web interface. The browser address bar shows the IP address 192.168.0.1. The left sidebar contains a menu with the following items: System, Switching, Monitoring, VLAN (highlighted with a black box), QoS, Save Config, and Logout. The main content area is titled "System Info" and displays a table with the following information:

Device Description	TL-SG108E
MAC Address	EC:08:6B:E2:C9:C3
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
Firmware Version	1.0.1 Build 20160108 Rel.57851
Hardware Version	TL-SG108E 2.0

Below the table, there is a form with a "Device Description" label and a text input field containing "TL-SG108E". To the right of the input field is an "Apply" button.

Note:
The length of device description should not be more than 32 characters.

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

www.tp-link.com

3. Go to **802.1Q VLAN**.

TL-SG108E

10.0.31.100

TP-LINK®

TL-SG108E

System

Switching

Monitoring

VLAN

- MTU VLAN
- Port Based VLAN
- **802.1Q VLAN**
- 802.1Q PVID Setting

QoS

Save Config

Logout

802.1Q VLAN Configuration

802.1Q VLAN Configuration: ☒ Enable ☐ Disable

Apply

VLAN ID	(2-4094)	VLAN Name	
Port	Untagged	Tagged	Not Member
Select All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 3	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 4	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 5	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 6	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 7	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 8	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Add/Modify

Help

4. Select **Enable** and click on **Apply**.

TL-SG108E

192.168.0.1

TP-LINK

TL-SG108E

System

Switching

Monitoring

VLAN

• MTU VLAN

• Port Based VLAN

• 802.1Q VLAN

• 802.1Q PVID Setting

QoS

Save Config

Logout

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

802.1Q VLAN Configuration

802.1Q VLAN Configuration:

☒ Enable

☐ Disable

Apply

VLAN ID	(2-4094)	VLAN Name	
Port	Untagged	Tagged	Not Member
Select All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 3	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 4	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 5	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 6	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 7	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 8	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Add/Modify

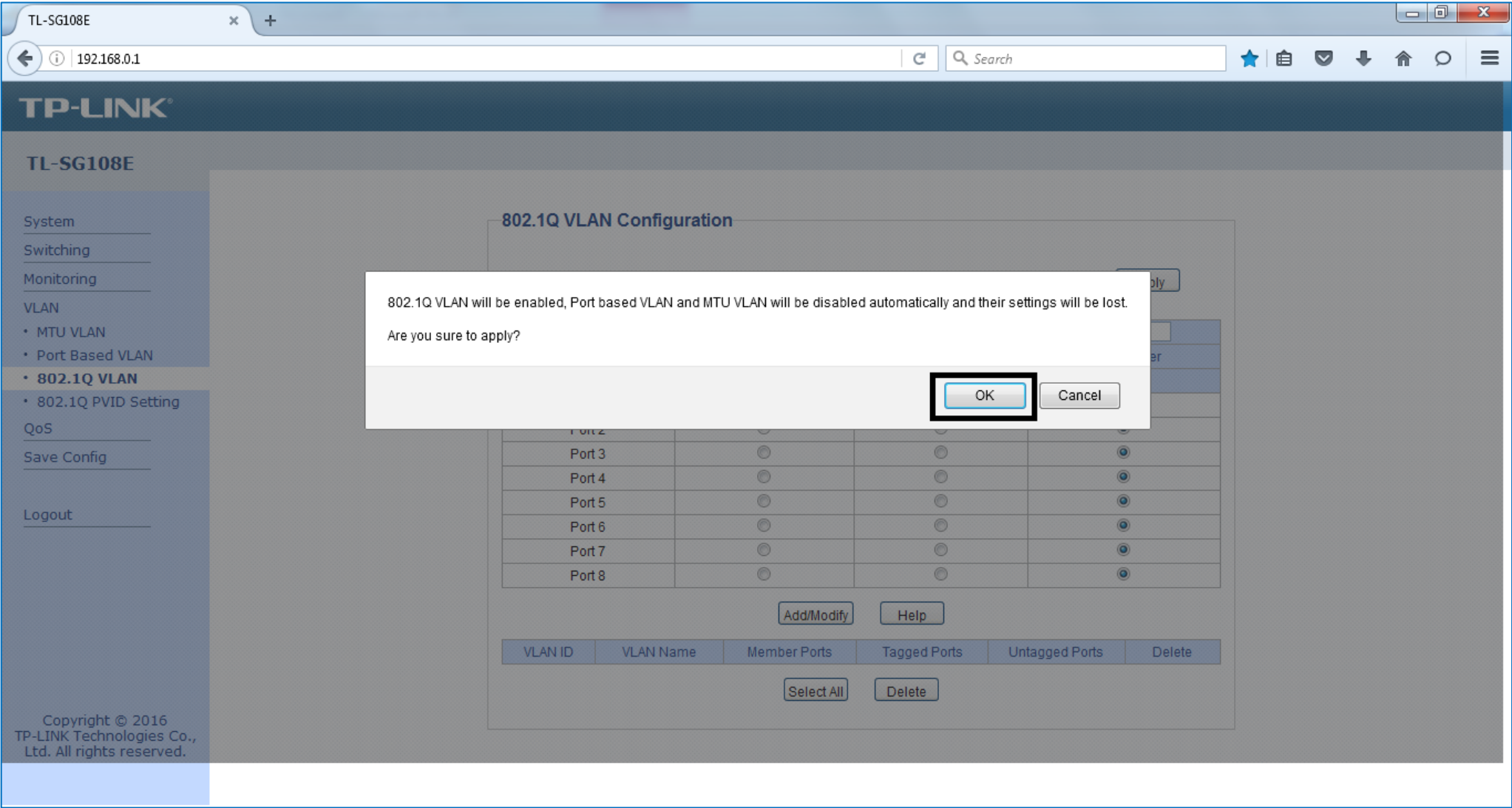
Help

VLAN ID	VLAN Name	Member Ports	Tagged Ports	Untagged Ports	Delete
---------	-----------	--------------	--------------	----------------	--------

Select All

Delete

5. Click on **OK**.



6. Enter management for Switch : **97** and give VLAN name for reference eg. **Management**.
- a. Click on Select for **Port No. 1 and 8** and **Add/Modify**.

TL-SG108E

192.168.0.1

TP-LINK

TL-SG108E

192.168.0.1

TP-LINK

TL-SG108E

System

Switching

Monitoring

VLAN

- MTU VLAN
- Port Based VLAN
- 802.1Q VLAN**
- 802.1Q PVID Setting

QoS

Save Config

Logout

802.1Q VLAN Configuration

802.1Q VLAN Configuration: ☒ Enable ☐ Disable

Apply

VLAN ID	97 (1-4094)	VLAN Name	Management
Port	Untagged	Tagged	Not Member
Select All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Port 2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 3	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 4	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 5	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 6	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 7	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 8	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Add/Modify

Help

VLAN ID	VLAN Name	Member Ports	Tagged Ports	Untagged Ports	Delete
---------	-----------	--------------	--------------	----------------	--------

7. Enter customer VLAN ID e.g. **102** give VLAN Name for reference e.g. **Client**.
 - a. Select **Untagged 2** port for customer end device and select **Tagged 1 and 8** port for uplink cable.
 - b. Click on **Add/Modify**.

TL-SG108E

192.168.0.1

TP-LINK

TL-SG108E

System

Switching

Monitoring

VLAN

• MTU VLAN

• Port Based VLAN

• **802.1Q VLAN**

• 802.1Q PVID Setting

QoS

Save Config

Logout

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

802.1Q VLAN Configuration

802.1Q VLAN Configuration: ☒ Enable ☐ Disable

Apply

VLAN ID	102 (2-4094)	VLAN Name	Client
Port	Untagged	Tagged	Not Member
Select All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Port 2	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Port 3	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 4	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 5	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 6	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 7	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 8	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Add/Modify

Help

VLAN ID	VLAN Name	Member Ports	Tagged Ports	Untagged Ports	Delete
1	Default_VLAN	1-8		1-8	<input type="checkbox"/>
97	Management	1,8	1,8		<input type="checkbox"/>

Select All

Delete

8. Verify the configuration and click on **Apply**.

TL-SG108E

192.168.0.1

Search

★

📁

↓

🏠

✓

☰

TP-LINK®

TL-SG108E

System

Switching

Monitoring

VLAN

- MTU VLAN
- Port Based VLAN
- **802.1Q VLAN**
- 802.1Q PVID Setting

QoS

Save Config

Logout

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

802.1Q VLAN Configuration

802.1Q VLAN Configuration: ☒ Enable ☐ Disable Apply

VLAN ID	(2-4094)	VLAN Name	
Port	Untagged	Tagged	Not Member
Select All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 3	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 4	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 5	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 6	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 7	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Port 8	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Add/Modify Help

VLAN ID	VLAN Name	Member Ports	Tagged Ports	Untagged Ports	Delete
1	Default_VLAN	1-8		1-8	<input type="checkbox"/>
97	Management	1,8	1,8		<input type="checkbox"/>
102	Client	1-2,8	1,8	2	<input type="checkbox"/>

Select All Delete

9. Enter Switch management VLAN : **97**

- a. Select port **1 and 8**.
- b. Click on **Apply**.

TL-SG108E

192.168.0.1

TP-LINK®

TL-SG108E

System

Switching

Monitoring

VLAN

- MTU VLAN
- Port Based VLAN
- 802.1Q VLAN
- **802.1Q PVID Setting**

QoS

Save Config

Logout

802.1Q VLAN PVID Setting

Select	Port	PVID
<input type="checkbox"/>		97
<input checked="" type="checkbox"/>	Port 1	1
<input type="checkbox"/>	Port 2	1
<input type="checkbox"/>	Port 3	1
<input type="checkbox"/>	Port 4	1
<input type="checkbox"/>	Port 5	1
<input type="checkbox"/>	Port 6	1
<input type="checkbox"/>	Port 7	1
<input checked="" type="checkbox"/>	Port 8	1

Apply **Help**

Note:

1. By default, the PVID of all ports is 1.
2. 802.1Q VLAN PVID will be restored to 1 when 802.1Q VLAN is disabled.

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

10. Enter Customer's VLAN e.g. **102**.
- a. Select port **2**.
 - b. Click on **Apply**.

TL-SG108E

192.168.0.1

TP-LINK

TL-SG108E

System

Switching

Monitoring

VLAN

- MTU VLAN
- Port Based VLAN
- 802.1Q VLAN
- **802.1Q PVID Setting**

QoS

Save Config

Logout

802.1Q VLAN PVID Setting

Select	Port	PVID
<input type="checkbox"/>		102
<input type="checkbox"/>	Port 1	1
<input checked="" type="checkbox"/>	Port 2	1
<input type="checkbox"/>	Port 3	1
<input type="checkbox"/>	Port 4	1
<input type="checkbox"/>	Port 5	1
<input type="checkbox"/>	Port 6	1
<input type="checkbox"/>	Port 7	1
<input type="checkbox"/>	Port 8	1

Apply

Help

Note:

1. By default, the PVID of all ports is 1.

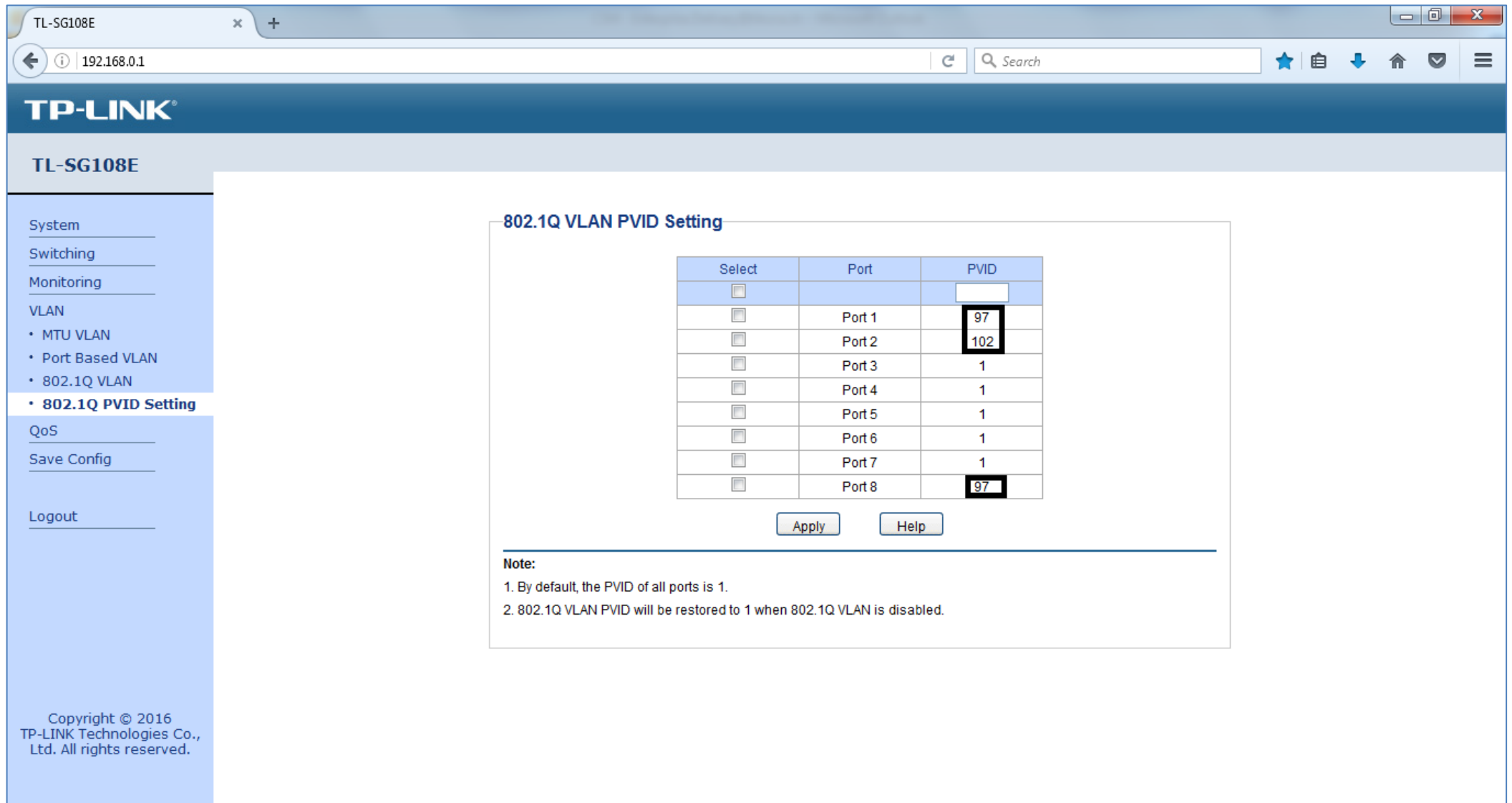
2. 802.1Q VLAN PVID will be restored to 1 when 802.1Q VLAN is disabled.

Copyright © 2016

TP-LINK Technologies Co.,

Ltd. All rights reserved.

11. Verify the configuration.



The screenshot displays the TP-LINK TL-SG108E web management interface. The browser address bar shows the IP address 192.168.0.1. The left sidebar contains navigation links for System, Switching, Monitoring, VLAN, QoS, Save Config, and Logout. The VLAN section is expanded, showing options for MTU VLAN, Port Based VLAN, and 802.1Q VLAN. The 802.1Q VLAN PVID Setting page is active, featuring a table for configuring PVID values for each port. The table has three columns: Select, Port, and PVID. Ports 1, 2, and 8 have their PVID values set to 97 and 102, while ports 3 through 7 are set to 1. Below the table are buttons for Apply and Help. A note at the bottom provides additional information about the default PVID and its restoration when 802.1Q VLAN is disabled.

802.1Q VLAN PVID Setting

Select	Port	PVID
<input type="checkbox"/>		
<input type="checkbox"/>	Port 1	97
<input type="checkbox"/>	Port 2	102
<input type="checkbox"/>	Port 3	1
<input type="checkbox"/>	Port 4	1
<input type="checkbox"/>	Port 5	1
<input type="checkbox"/>	Port 6	1
<input type="checkbox"/>	Port 7	1
<input type="checkbox"/>	Port 8	97

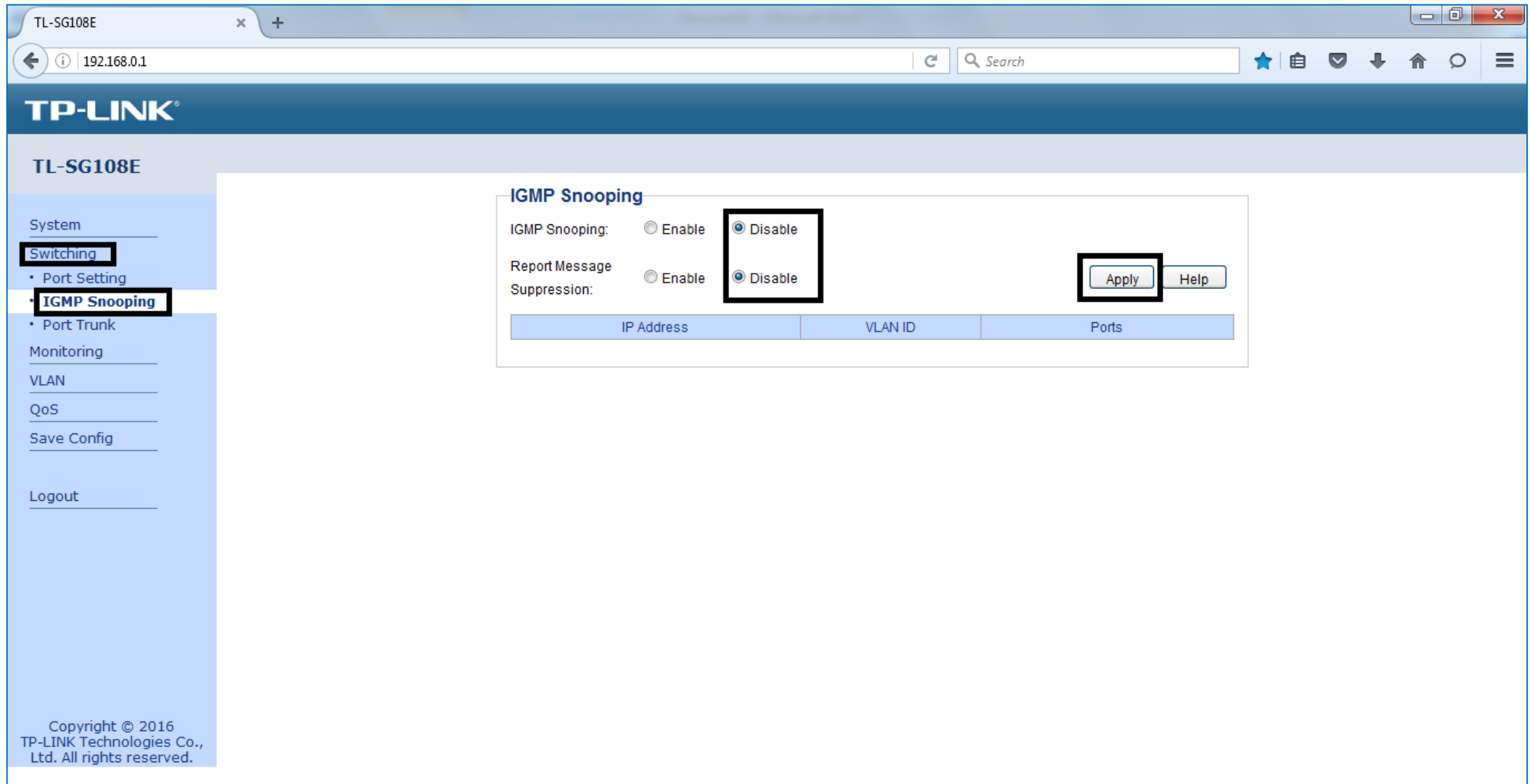
Note:

1. By default, the PVID of all ports is 1.
2. 802.1Q VLAN PVID will be restored to 1 when 802.1Q VLAN is disabled.

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

12. Go to **Switching >> IGMP Snooping**.

a. Disable **IGMP Snooping** and **Apply**.



The screenshot shows the TP-LINK TL-SG108E web interface. The browser address bar displays "192.168.0.1". The left sidebar contains a menu with "System", "Switching", "Port Setting", "IGMP Snooping", "Port Trunk", "Monitoring", "VLAN", "QoS", "Save Config", and "Logout". The "Switching" and "IGMP Snooping" items are highlighted with red boxes. The main content area is titled "IGMP Snooping" and contains two sections: "IGMP Snooping:" and "Report Message Suppression:". Both sections have "Enable" and "Disable" radio buttons. The "Disable" radio button for "IGMP Snooping:" is selected and highlighted with a red box. The "Apply" button is also highlighted with a red box. Below the configuration options is a table with three columns: "IP Address", "VLAN ID", and "Ports".

TL-SG108E

System

Switching

- Port Setting
- IGMP Snooping
- Port Trunk

Monitoring

VLAN

QoS

Save Config

Logout

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

IGMP Snooping

IGMP Snooping: ☐ Enable ☒ Disable

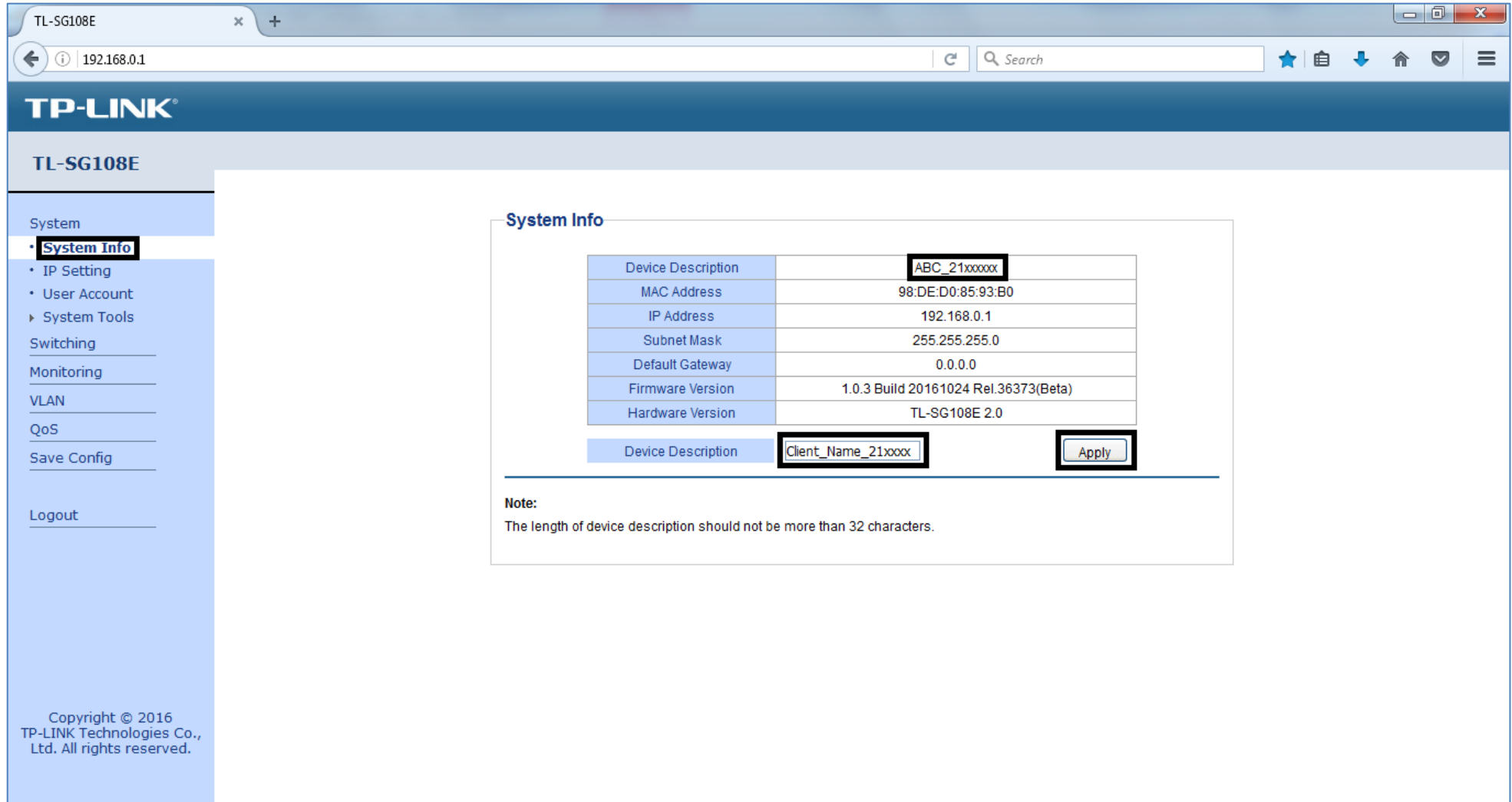
Report Message Suppression: ☐ Enable ☒ Disable

Apply Help

IP Address	VLAN ID	Ports
------------	---------	-------

13. Go to **System >> System Info.**

- a. Enter customer name and TP LINK Sr. No. for reference in **Device Description** e.g. **ICICI_210000001** and click on **Apply**.



The screenshot shows the TP-LINK TL-SG108E web interface. The browser address bar shows the IP address 192.168.0.1. The left sidebar contains a navigation menu with the following items: System, System Info (highlighted), IP Setting, User Account, System Tools, Switching, Monitoring, VLAN, QoS, Save Config, and Logout. The main content area is titled "System Info" and contains a table of system information. The table has two columns: the first column lists system parameters, and the second column shows their current values. The parameters and values are: Device Description (ABC_21xxxxx), MAC Address (98:DE:D0:85:93:B0), IP Address (192.168.0.1), Subnet Mask (255.255.255.0), Default Gateway (0.0.0.0), Firmware Version (1.0.3 Build 20161024 Rel.36373(Beta)), and Hardware Version (TL-SG108E 2.0). Below the table, there is a form to update the Device Description. The form has a text input field containing "Client_Name_21xxxx" and an "Apply" button. A note below the form states: "Note: The length of device description should not be more than 32 characters." The footer of the page contains the copyright information: "Copyright © 2016 TP-LINK Technologies Co., Ltd. All rights reserved."

Parameter	Value
Device Description	ABC_21xxxxx
MAC Address	98:DE:D0:85:93:B0
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
Firmware Version	1.0.3 Build 20161024 Rel.36373(Beta)
Hardware Version	TL-SG108E 2.0

Device Description:

Note:
The length of device description should not be more than 32 characters.

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

14. Click on **Save Config**.

The screenshot shows a web browser window with the address bar displaying '192.168.0.1'. The page title is 'TL-SG108E'. The TP-LINK logo is at the top. The left sidebar contains a menu with the following items: System, Switching, Monitoring, VLAN, QoS, **Save Config** (highlighted with a black box), and Logout. The main content area has a heading 'Save Config' and a message box that says 'Save the config successfully.' The footer contains the text: Copyright © 2016 TP-LINK Technologies Co., Ltd. All rights reserved.

15. Go to **System >> IP Setting**

- Enter **IP, Subnet Mask** and **Default Gateway** of VLAN 97 range.
- Click on **Apply**.

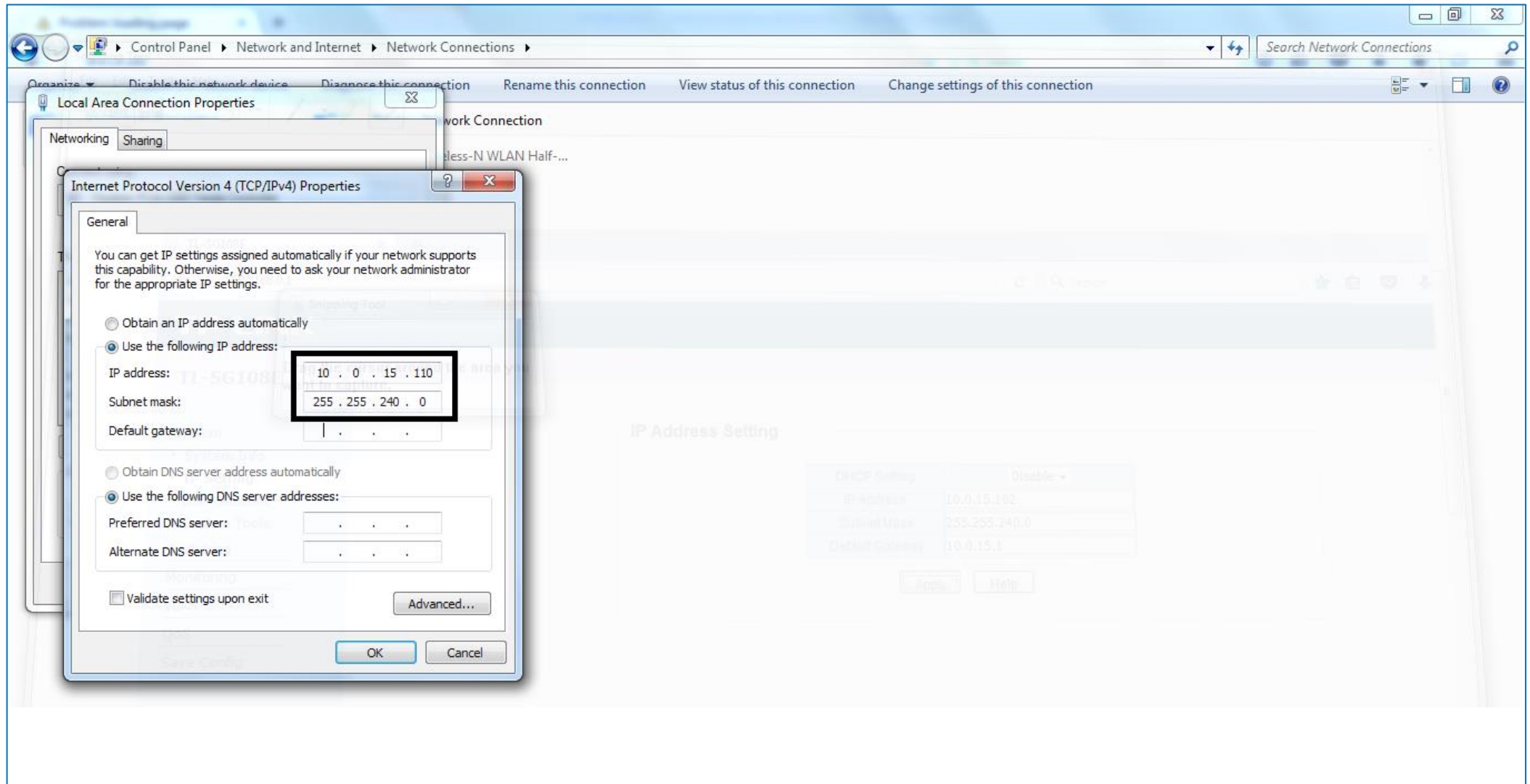
The screenshot shows the TP-LINK TL-SG108E web management interface. The browser address bar shows 192.168.0.1. The left sidebar contains the following navigation links: System (highlighted), System Info, IP Setting (highlighted), User Account, System Tools, Switching, Monitoring, VLAN, QoS, Save Config, and Logout. The main content area is titled 'IP Address Setting' and contains a table with the following data:

DHCP Setting	Disable ▾
IP Address	10.0.15.102
Subnet Mask	255.255.240.0
Default Gateway	10.0.15.1

Below the table are two buttons: 'Apply' (highlighted) and 'Help'.

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

16. Change your system's IP as per Switch IP.



17. Login again with new switch IP.



The screenshot shows a web browser window with the address bar displaying `http://10.0.15.102/`. The page content is a TP-LINK login form. The form has a blue header with the TP-LINK logo. Below the header, there are two input fields: "User Name:" and "Password:". Below these fields are two buttons: "Login" and "Clear". At the bottom of the form, there is a copyright notice: "Copyright © 2016 TP-LINK Technologies Co., Ltd. All rights reserved".

TP-LINK

User Name:

Password:

Login Clear

Copyright © 2016 TP-LINK Technologies Co., Ltd.
All rights reserved

18. Go to **System >> System Tools >> System Reboot.**

a. Select **Save Config** and click on **Reboot.**

The screenshot shows a web browser window with the address bar displaying "10.0.15.102". The page title is "TL-SG108E". The left sidebar contains a navigation menu with the following items: "System" (highlighted with a black box), "System Tools" (highlighted with a black box), "System Reboot" (highlighted with a black box), "System Reset", "Firmware Upgrade", "Switching", "Monitoring", "VLAN", "QoS", "Save Config", and "Logout". The main content area is titled "System Reboot" and contains the following text:

Save Config: ☒
 Reboot:

Note:
To avoid damage, please don't turn off the device while rebooting.

Copyright © 2016
TP-LINK Technologies Co.,
Ltd. All rights reserved.

19. Verify the configuration again.

The screenshot shows the TP-LINK TL-SG108E web interface. The browser address bar shows '192.168.0.1'. The left sidebar contains a menu with the following items: System, Switching, Monitoring, VLAN (with sub-items: MTU VLAN, Port Based VLAN, 802.1Q VLAN), 802.1Q PVID Setting (highlighted), QoS, Save Config, and Logout. The main content area is titled '802.1Q VLAN PVID Setting' and contains a table with three columns: Select, Port, and PVID. The table has 9 rows, with the first row having a 'Select' checkbox and an empty 'PVID' input field. The subsequent rows show ports 1 through 8 with their respective PVID values. Below the table are 'Apply' and 'Help' buttons. A 'Note' section at the bottom provides additional information.

Select	Port	PVID
<input type="checkbox"/>		<input type="text"/>
<input type="checkbox"/>	Port 1	97
<input type="checkbox"/>	Port 2	102
<input type="checkbox"/>	Port 3	1
<input type="checkbox"/>	Port 4	1
<input type="checkbox"/>	Port 5	1
<input type="checkbox"/>	Port 6	1
<input type="checkbox"/>	Port 7	1
<input type="checkbox"/>	Port 8	97

Note:

1. By default, the PVID of all ports is 1.
2. 802.1Q VLAN PVID will be restored to 1 when 802.1Q VLAN is disabled.

Thank You
Prepared by
Enterprise Delivery Team