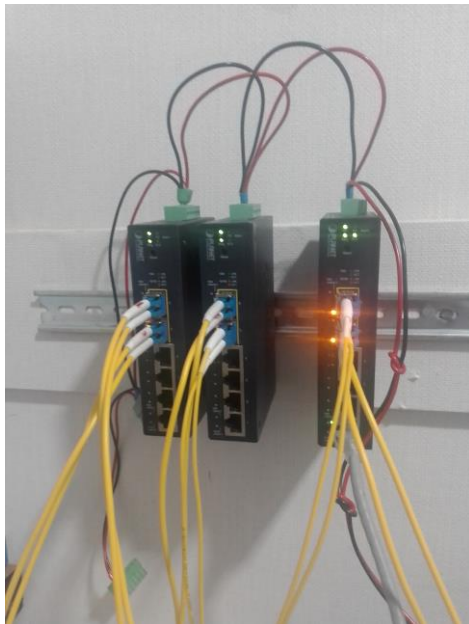


How to create Ethernet Ring Protection Switching (ERPS) Ring by using Ring Wizard

First, set up the IP address each IGS-4215-4T2S Switches properly

Note: Do not connect the Switches before the Ring configuration is completed.

The setup is



Fist of all we need to configure the port as per below

4.3.1 Port Configuration

This page displays current port configurations and status. Ports can also be configured here. The table has one row for each port on the selected switch in a number of columns, which are:

The Port Configuration screens in [Figure 4-3-1](#) and [Figure 4-3-2](#) appear.

Port settings				
Port Select	Enabled	Speed	Duplex	Flow Control
Select Ports	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	Auto	Auto	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
Fiber Ports	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	Auto-1000M	Full	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled

Apply

100M

The second step is to configure the Ring wizard

Managed Switch

Update Demo Test

View Ticket

WhatsApp

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BluBoxx CRM

ezeehRM

help

RMS

Oriole Payroll

RUT240

HiveMQ

Cumulocity

TRB145 - 4G/LTE RS...

**PLANET**
Networking & Communications

IGS-4215-4T2S

System

Switching

QoS

Security

Ring

Maintenance

Management

Time Settings

Log Management

SNMP Management

RMON

Remote Management

Alarm

PWR2 R.O.

PWR1 Ring

1

2

3

4

5

6

Port Setting

Port Settings

Port Select	Enabled	Speed	Duplex	Flow Control
Select Ports	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Auto	Auto	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Fiber Ports	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Auto-1000M	Auto	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

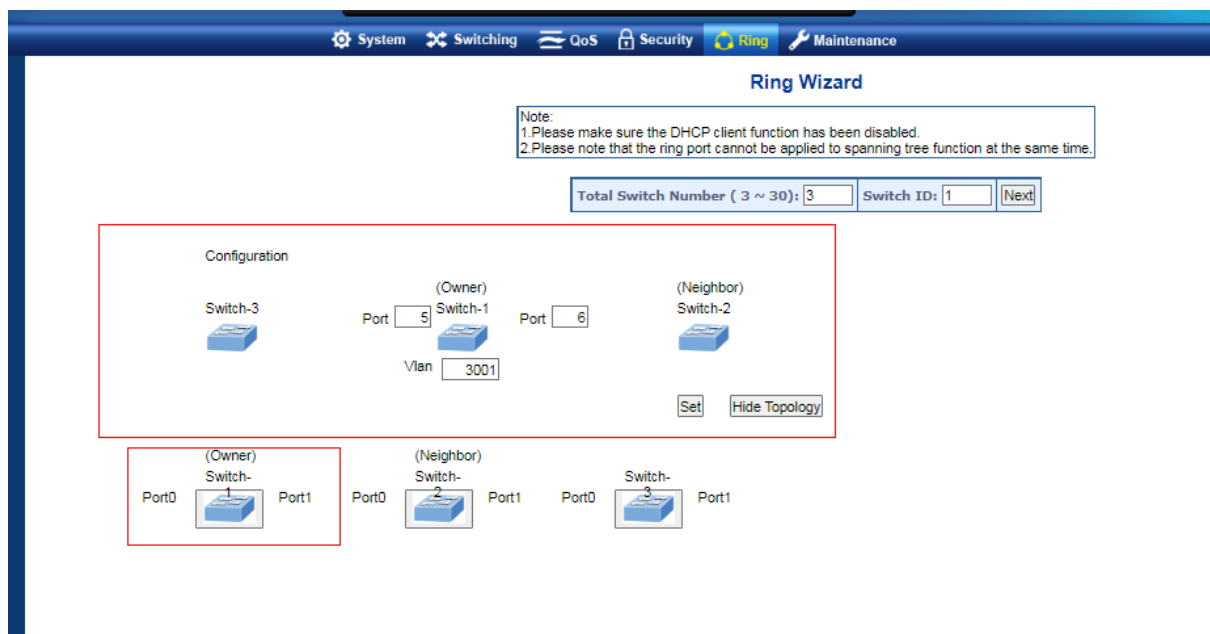
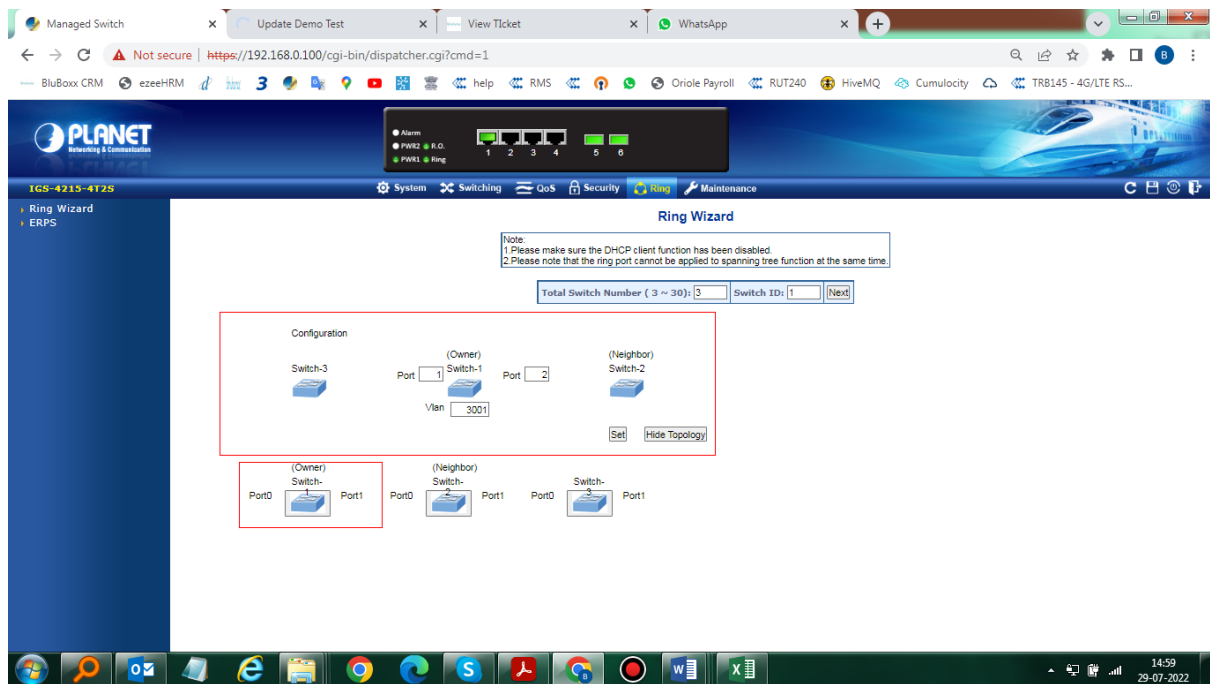
Apply

Port Status

Port	Description	Enable State	Link Status	Speed	Duplex	FlowCtrl Config	FlowCtrl Status
GE1	Edit	Enable	UP	A-1000M	A-Full	Disable	Disable
GE2	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE3	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE4	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE5	Edit	Enable	UP	100M	Full	Disable	Disable
GE6	Edit	Enable	UP	100M	Full	Disable	Disable



14:59
29-07-2022



After the configuring the device it need to save and restart

On second device

Managed Switch x Update Demo Test x View Ticket x WhatsApp x +

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BluBoxx CRM ezeehRM 3 help RMS Oriole Payroll RUT240 HiveMQ Cumulocity TRB145 - 4G/LTE RS...

PLANET
Networking & Communication

Alarm PWK2 R.O. PWK1 Ring

System Switching QoS Security Ring Maintenance

IGS-4215-4T2S

Management
Time Settings
Log Management
SNMP Management
RMON
Remote Management

Welcome to PLANET

IGS-4215-4T2S

Industrial 4-Port 10/100/1000T + 2-Port 100/1000X SFP Managed Switch

PLANET Technology Corporation
11F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C
Tel: 886-2-2219-9518
Fax: 886-2-2219-9528
Email: Support@planet.com.tw

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15:01
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Managed Switch x Update Demo Test x View Ticket x WhatsApp x +

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BluBoxx CRM ezeehRM 3 help RMS Oriole Payroll RUT240 HiveMQ Cumulocity TRB145 - 4G/LTE RS...

PLANET
Networking & Communication

Alarm PWK2 R.O. PWK1 Ring

System Switching QoS Security Ring Maintenance

IGS-4215-4T2S

Port Management
Port Configuration
Port Counters
Bandwidth Utilization
Port Mirroring
Jumbo Frame
Port Error Disabled Configuration
Port Error Disabled Status
Protected Port
EEE
SFP Module Status
SFP Module Detail Status
Link Aggregation
VLAN
Spanning Tree
Multicast
IGMP Snooping
MLD Snooping
LLDP
MAC Address Table

Port Setting

Port Settings

Port Select	Enabled	Speed	Duplex	Flow Control
Select Ports	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Auto	Auto	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Fiber Ports	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Auto-1000M	Auto	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

Apply

Port Status

Port	Description	Enable State	Link Status	Speed	Duplex	FlowCtrl Config	FlowCtrl Status
GE1	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE2	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE3	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE4	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE5	Edit	Enable	UP	100M	Full	Disable	Disable
GE6	Edit	Enable	UP	100M	Full	Disable	Disable

<https://192.168.0.101/cgi-bin/dispatcher.cgi?cmd=766#>

15:02
29-07-2022

Managed Switch | Update Demo Test | View Ticket | WhatsApp

Not secure | <https://192.168.0.101/cgi-bin/dispatcher.cgi?cmd=1>

BluBoxx CRM | ezeehRM | help | RMS | Oriole Payroll | RUT240 | HiveMQ | Cumulocity | TRB145 - 4G/LTE RS...

PLANET
Networking & Communication

Alarm | PWK2 | R.O. | PWK1 | Ring

1 2 3 4 5 6

IGS-4215-4T2S

System | Switching | QoS | Security | **Ring** | Maintenance

Ring Wizard

Note:
1 Please make sure the DHCP client function has been disabled.
2 Please note that the ring port cannot be applied to spanning tree function at the same time.

Total Switch Number (3 ~ 30): 3 Switch ID: 2 Next

Configuration

(Owner) Switch-1 (Neighbor) Switch-2 (Neighbor) Switch-3

Port 1 Port 2

Vlan 3001

Set Hide Topology

(Owner) Switch-1 (Neighbor) Switch-2 (Neighbor) Switch-3

Port0 Port1 Port0 Port1 Port0 Port1

15:02 29-07-2022

Managed Switch | Update Demo Test | View Ticket | WhatsApp

Not secure | <https://192.168.0.101/cgi-bin/dispatcher.cgi?cmd=1>

BluBoxx CRM | ezeehRM | help | RMS | Oriole Payroll | RUT240 | HiveMQ | Cumulocity | TRB145 - 4G/LTE RS...

PLANET
Networking & Communication

Alarm | PWK2 | R.O. | PWK1 | Ring

1 2 3 4 5 6

IGS-4215-4T2S

System | Switching | QoS | Security | **Ring** | Maintenance

Ethernet Ring Protection Switching

Note:
1 Please make sure the DHCP client function has been disabled.
2 Please note that the ring port cannot be applied to spanning tree function at the same time.

Refresh

Delete	Enable	ERPS ID	Version	Ring Type	Port0	Port1	Node ID	Control Vlan	Revertive	Guard Time	WTR Time	Holdoff Time
<input type="checkbox"/>	Yes	1	2	Major	5	6	a5:f7:e0:8b:3d:14	3001	Yes	500	1	0

Add New Protection Group Apply Reset

<https://192.168.0.101/cgi-bin/dispatcher.cgi?cmd=9728>

15:02 29-07-2022

Save and restart

And the third device

Managed Switch x Update Demo Test x View Ticket x WhatsApp x +

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BluBoxx CRM ezeehRM 3 help RMS Oriole Payroll RUT240 HiveMQ Cumulocity TRB145 - 4G/LTE RS...

PLANET
Networking & Communication

Alarm PWR2 R.O. PWR1 Ring 1 2 3 4 5 6

IGS-4215-4T2S System Switching QoS Security Ring Maintenance

Management
Time Settings
Log Management
SNMP Management
RMON
Remote Management

Welcome to PLANET
IGS-4215-4T2S
Industrial 4-Port 10/100/1000T + 2-Port 100/1000X SFP Managed Switch

PLANET Technology Corporation
11F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C
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15:03
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Managed Switch x Update Demo Test x View Ticket x WhatsApp x +

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BluBoxx CRM ezeehRM 3 help RMS Oriole Payroll RUT240 HiveMQ Cumulocity TRB145 - 4G/LTE RS...

PLANET
Networking & Communication

Alarm PWR2 R.O. PWR1 Ring 1 2 3 4 5 6

IGS-4215-4T2S System Switching QoS Security Ring Maintenance

Port Management
Port Configuration
Port Counters
Bandwidth Utilization
Port Mirroring
Jumbo Frame
Port Error Disabled Configuration
Port Error Disabled Status
Protected Port
EEE
SFP Module Status
SFP Module Detail Status
Link Aggregation
VLAN
Spanning Tree
Multicast
IGMP Snooping
MLD Snooping
LLDP
MAC Address Table

Port Setting

Port Settings

Port Select	Enabled	Speed	Duplex	Flow Control
Select Ports	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Auto	Auto	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Fiber Ports	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Auto-1000M	Auto	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

Apply

Port Status

Port	Description	Enable State	Link Status	Speed	Duplex	FlowCtrl Config	FlowCtrl Status
GE1	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE2	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE3	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE4	Edit	Enable	DOWN	Auto	Auto	Disable	Disable
GE5	Edit	Enable	UP	100M	Full	Disable	Disable
GE6	Edit	Enable	UP	100M	Full	Disable	Disable

15:04
29-07-2022

Managed Switch x Update Demo Test x View Ticket x WhatsApp x

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BluBoxx CRM ezeehRM 3 help RMS Oriole Payroll RUT240 HiveMQ Cumulocity TRB145 - 4G/LTE RS...

PLANET
Networking & Communications

ICS-4215-4T2S

System Switching QoS Security Ring Maintenance

Ring Wizard

Note:
1. Please make sure the DHCP client function has been disabled.
2. Please note that the ring port cannot be applied to spanning tree function at the same time.

Total Switch Number (3 ~ 30): 3 Switch ID: 3 Next

Configuration

(Neighbor) Switch-2 Port 1 Switch-3 Port 2 (Owner) Switch-1
Vlan 3001 Set Hide Topology

(Owner) Switch- Port0 (Neighbor) Switch- Port0 (Neighbor) Switch- Port0
Port1 Port1 Port1

15:04
29-07-2022