
Launching the Configuration Utility

To open the user interface:

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- STEP 1** Open a Web browser.
 - STEP 2** Enter the IP address of the switch you are configuring in the address bar on the browser, and then press **Enter**. The Login Page opens.**STEP 2**

Getting Started

Starting the Web-based Switch Configuration Utility

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Getting Started

Quick Start Switch Configuration

Getting Started

Quick Start Switch Configuration

Getting Started

Quick Start Switch Configuration

Getting Started

Quick Start Switch Configuration

Viewing Statistics

Viewing Etherlike Statistics

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- **Last EAPOL Frame Source**—Source MAC address attached to the most

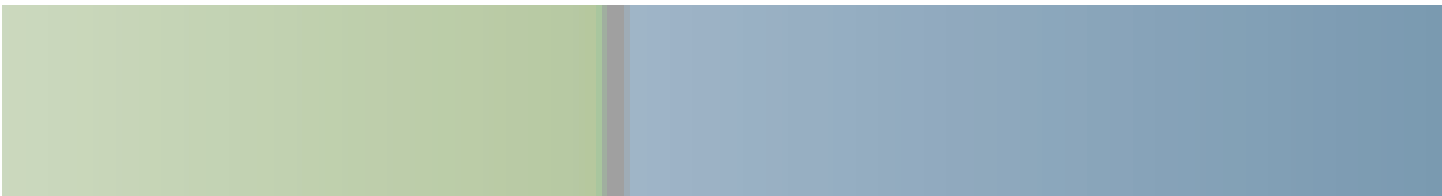
To view the RMON statistics:

STEP 1 Click **RMON** >

Managing System Logs

Managing System Logs

Managing System Logs





Managing System Files

Upgrade/Backup Firmware/Language

Managing System Files

Downloading or Backing-up a Configuration or Log



Managing System Files

Downloading or Backing-up a Configuration or Log

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- f. **Destination File Type**—Enter the destination configur

Select the **Save Action**.

If for the **Save Action** you select

Managing System Files

System Time

System Time Options

System Time

Adding an SNTP Server

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- **IPv6 Address Type**

Defining SNTP Authentication

The SNTP Authentication Page enables configuration of the authentication keys

General Administrative Information and Operations

System Information

General Administrative Information and Operations

System Information

General Administrative Information and Operations

General Administrative Information and Operations

Monitoring the Fan Status and Temperature



General Administrative Information and Operations

Pinging a Host

Configuring Discovery

Configuring LLDP

Configuring Discovery

Configuring LLDP



For a description of LLDP MED, refer to the LLDP MED Protocol section.

STEP 3 In the **Fast Start Repeat Count** field, enter the number of times LLDP packets are

Configuring Discovery

Configuring Discovery

Configuring LLDP

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- **Softphone Voice**

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Configuring Discovery

Configuring Discovery

Configuring LLDP

Configuring Discovery

Configuring Discovery

Configuring LLDP

Configuring Discovery

Configuring LLDP

Configuring Discovery

Configuring LLDP



Configuring Discovery

Configuring LLDP



Configuring Discovery

Configuring Discovery

Configuring LLDP

Setting the Basic Port Configuration

The Port Setting Page displays the global and per port setting of all the ports. This page enables you to select and configure the desired ports from the

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- **Auto-Negotiation**—Select to enable auto-negotiation on the port. Auto-Negotiation enables a port to advertise its transmission rate, duplex mode,

Port Management

Configuring Ports

Configuring Link Aggregation

Port Management

Configuring Link Aggregation



The LACP priority is taken either from the local or the remote device according to the following rule: The local LACP System Priority is compared to the remote LACP System Priority device. The lowest priority is used. If both priorities are the same, the local and remote MAC addresses are compared. The priority of the device with the lowest MAC address is used.

The additional rules in selecting the active or standby ports in a dynamic LACP are as follows:

- Any link operating at a different speed from the highest-speed active member or operating at half-duplex is made standby. All the active ports in

Port Management

Green Ethernet



Setting Global Green Ethernet Properties

The Properties Page displays and enables configuration of the Green Ethernet mode for the switch. It also displays the current power savings.

To define Global Green Ethernet properties:

STEP 1 Click **Port Management**

Port Management

To test copper cables attached to ports:

Displaying Optical Module Status

The *Optical Module Status Page* displays the operating conditions reported by

Managing Device Diagnostics

Managing Device Diagnostics

Viewing CPU Utilization

Power over Ethernet can be used in any enterprise network that deploys relatively

Managing Power-over-Ethernet Devices

Configuring the PoE Power, Priority, and Class

The PoE Settings Page displays system PoE information for enabling PoE on the

VLAN Management

VLAN Management

VLAN Management

VLAN Management

To view VLAN membership:

STEP 1 Click **VLAN Management > Port VLAN Membership**. The *Port VLAN Membership Page* opens.

STEP 2 Select an interface type (Port or LAG), and click **Go**.

The Port VLAN Membership page displays the operational membership of the ports or LAGs:

- **Port** number.
- **Mode**—Port mode defined in the Interface Settings Page.
- **PVID**8J

Configuring the Spanning Tree Protocol

Configuring STP Status and Global Settings



Configuring the Spanning Tree Protocol

Defining Spanning Tree Interface Settings

Configuring the Spanning Tree Protocol

Configuring Rapid Spanning Tree Settings

Configuring the Spanning Tree Protocol

Configuring Rapid Spanning Tree Settings



- Learning—The port is in Learning mode. The port cannot forward traffic, however it can learn new MAC addresses.

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Managing MAC Address Tables

MAC addresses are stored in the Static Address

Managing MAC Address Tables

Dynamic MAC Addresses

The following versions are supported:

- IGMP v1/v2/ v3
- MLD v1/v2

Multicast Address Properties

Multicast addresses have the following properties:

- Each IPv4 Multicast address is in the address range 224.0.0.0 to 239.255.255.255.
- The IPv6 Multicast address is FF00:/8.
- To map an IP Multicast group address to an Layer 2 Multicast address:
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Configuring Multicast Forwarding

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- **Forws**

Configuring Multicast Forwarding

Adding MAC Group Address

- **IP Source Address**—Defines the source address to be included.

STEP 6 Click **Apply**

Configuring Multicast Forwarding

Configuring IGMP Snooping



Configuring Multicast Forwarding

MLD Snooping



Configuring Multicast Forwarding

Configuring Multicast Forwarding

Configuring Multicast Forwarding

Defining Multicast Router Ports

Configuring Multicast Forwarding

Defining Forward All Multicast

Configuring Multicast Forwarding

Defining Unregistered Multicast Settings

Configuring Multicast Forwarding

Defining Unregistered Multicast Settings

- **Static**—Manually define a static IP address.

STEP 3 Click **Apply**. The IPv6 global parameters are defined, and the switch is updated.

STEP 4

Configuring IP Information

nT6 1 Tf40.98 07.1093.0003 c..761 TwT2 Tj/ > 4 1 Tf10.98 0 .1038.0003 c..0039 c..82(o)7

Configuring IP Information

Management and IP Interfaces

Configuring IP Information

Configuring IP Information

Configuring IP Information

STEP 4 Click **Add**. The Add ARP Page (Layer 2) opens.

STEP 5 Enter the parameters.

- **IP Version**—The IP address format supported by the host. Only IPv4 is supported.

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- **Default Domain Name**—Enter the default DNS domain name (1–158 characters). The switch appends to all non-fully qualified domain names (FQDN) turning them into FQDNs.
- **Type**—Displays the default domain type options:
 - *DHCP*—The default domain name is dynamically assigned by the DHCP server.
 - *Static*

- **Link Local Interface**—If the IPv6 address type is Link Local, select whether it is received through VLAN2 or ISATAP.

Configuring Security

Defining Users



Configuring Security

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Configuring Security

To define authentication methods for an access method:

STEP 1 Click **Security** >

Configuring Security

Defining Access Profiles

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- **Application Instance**—The service instance of the UDP service. (For example, when two senders send to the same destination.)
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Defining Storm Control

When Broadcast, Multicast, or Unknown Unicast frames are received, they are duplicated, and a copy is sent to all possible egress ports. This means that in

Configuring Security

Configuring Port Security

Configuring Security

Configuring Security

Configuring Security

Configuring 802.1X

Configuring Security

Configuring 802.1X

Configuring Security

Configuring 802.1X

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- **Shutdown**—Discards the packets and shuts down the port. The ports remains shut down until reactivated, or until the switch is rebooted.
 - **Traps**—Select to enable traps.

QoS Workflow

Configuring Quality of Service

Configuring QoS

Configuring Quality of Service

Configuring Quality of Service

Configuring QoS

Configuring Quality of Service

Configuring QoS

Configuring Quality of Service

Managing QoS Statistics

