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Software Configuration Guide, Cisco IOS XE Fuji 16.9.x (Catalyst 9500 Switches)

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Americas Headquarters

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CONTENTS

| PREFACE | Preface v |
|-----------|---|
| | Document Conventions v |
| | Related Documentation vii |
| | Obtaining Documentation and Submitting a Service Request vi |
| CHAPTER 1 | Contents 1 |
| CHAPTER 2 | Configuring the Switch Using the Web User Interface 3 |
| | Setting up the Switch 3 |
| | Connecting to the Switch 4 |
| | Creating User Accounts 6 |
| | Choosing Setup Options 7 |
| | Configuring Basic Device Settings 7 |
| | Configuring Your Device Based on a Site Profile 9 |
| | Configuring VLAN Settings 12 |
| | Configure STP Settings 12 |
| | Configuring DHCP, NTP, DNS and SNMP Settings 13 |
| | Configuring Port Settings 14 |
| | |

Notices 17

Contents



Preface

- \bullet Document Conventions , on page v
- Related Documentation, on page vii
- Obtaining Documentation and Submitting a Service Request, on page vii

Document Conventions

This document uses the following conventions:

| Convention | Description |
|-------------------|--|
| ^ or Ctrl | Both the ^ symbol and Ctrl represent the Control (Ctrl) key on a keyboard. For example, the key combination ^D or Ctrl-D means that you hold down the Control key while you press the D key. (Keys are indicated in capital letters but are not case sensitive.) |
| bold font | Commands and keywords and user-entered text appear in bold font. |
| Italic font | Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic</i> font. |
| Courier font | Terminal sessions and information the system displays appear in courier font. |
| Bold Courier font | Bold Courier font indicates text that the user must enter. |
| [x] | Elements in square brackets are optional. |
| | An ellipsis (three consecutive nonbolded periods without spaces) after a syntax element indicates that the element can be repeated. |
| | A vertical line, called a pipe, indicates a choice within a set of keywords or arguments. |
| $[x \mid y]$ | Optional alternative keywords are grouped in brackets and separated by vertical bars. |
| $\{x \mid y\}$ | Required alternative keywords are grouped in braces and separated by vertical bars. |

| Convention | Description |
|-------------|---|
| [x {y z}] | Nested set of square brackets or braces indicate optional or required choices within optional or required elements. Braces and a vertical bar within square brackets indicate a required choice within an optional element. |
| string | A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks. |
| <> | Nonprinting characters such as passwords are in angle brackets. |
| [] | Default responses to system prompts are in square brackets. |
| !,# | An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line. |

Reader Alert Conventions

This document may use the following conventions for reader alerts:

| Note | Means reader take note. Notes contain helpful suggestions or references to material not covered in the manual. |
|---------------|---|
| \mathcal{P} | |
| Тір | Means the following information will help you solve a problem. |
| Â | |
| ion | Means <i>reader be careful</i> . In this situation, you might do something that could result in equipment damage or loss of data. |
| D | |
| /er | Means <i>the described action saves time</i> . You can save time by performing the action described in the paragraph. |
| ß | |
| ıg | IMPORTANT SAFETY INSTRUCTIONS |
| | This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work |

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device. Statement 1071

SAVE THESE INSTRUCTIONS

Related Documentation



Before installing or upgrading the device, refer to the device release notes.

- Cisco Catalyst 9500 Series Switchesdocumentation, located at: http://www.cisco.com/go/c9500
- Cisco SFP and SFP+ modules documentation, including compatibility matrixes, located at: http://www.cisco.com/en/US/products/hw/modules/ps5455/tsd_products_support_series_home.html
- Cisco Validated Designs documents, located at:

http://www.cisco.com/go/designzone

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html

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CHAPTER

Contents

Audio Video Bridging Cisco TrustSec High Availability Interface and Hardware Components IP **IP Multicast Routing** IPv6 Layer 2 Multiprotocol Label Switching Network Management Programmability Quality of Service Routing Security System Management VLAN

Contents

I



Configuring the Switch Using the Web User Interface

Note

Any figures included in the document are shown for illustrative purposes only.

- Setting up the Switch, on page 3
- Connecting to the Switch, on page 4
- Creating User Accounts, on page 6
- Choosing Setup Options, on page 7
- Configuring Basic Device Settings, on page 7
- Configuring Your Device Based on a Site Profile, on page 9
- Configuring VLAN Settings, on page 12
- Configure STP Settings, on page 12
- Configuring DHCP, NTP, DNS and SNMP Settings, on page 13
- Configuring Port Settings, on page 14

Setting up the Switch

After you complete the hardware installation, you need to setup the switch with configuration required to enable traffic to pass through the network. On your first day with your new device, you can perform a number of tasks to ensure that your device is online, reachable and easily configured.

The Web User Interface (Web UI) is an embedded GUI-based device-management tool that provides the ability to provision the device, to simplify device deployment and manageability, and to enhance the user experience. It comes with the default image, so there is no need to enable anything or install any license on the device. You can use WebUI to build configurations, and to monitor and troubleshoot the device without having CLI expertise.

Connecting to the Switch

Before you begin

Set up the DHCP Client Identifier on the client to get the IP address from the switch, and to be able to authenticate with Day 0 login credentials.

Setting up the DHCP Client Identifier on the client for Windows

- 1. Type regedit in the Windows search box on the taskbar and press enter.
- 2. If prompted by User Account Control, click Yes to open the Registry Editor.
- 3. Navigate to

Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\ and locate the Ethernet Interface Global Unique Identifier (GUID).

4. Add a new REG_BINARY DhcpClientIdentifier with Data 77 65 62 75 69 for webui. You need to manually type in the value.

Figure 1: Setting up DHCP Client Identifier on Windows

| computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentContro | | | p\Paramet | ers\Inter | faces\{4 | 6836ffc-6 | 358-4da1-t | o9f8-a2a10f1a0c48) | | | |
|--|----|---------------|-------------|-----------|----------|-----------|------------|--------------------|-----------|---------|----------------------------|
| stexstor | | lame | | | | Type | | Data | | | |
| stisvc | | 🖄 (Default) | | | | REG_SZ | 2 | (value not set) | | | |
| storahci | 1 | Address | ype | | | REG_D | WORD | 0x00000000 (0 |) | | |
| storfit | 2 | DhcpClie | ntldentifie | | | REG_BI | NARY | 77 65 62 75 69 | | | |
| stornyme | | Edit Binary | Value | | | | | | | × | |
| storqosfit StorSvc | | Luit billiary | value | | | | | | | ~ | le 01 00 79 00 00 00 00 00 |
| storufs | | Value name: | | | | | | | | | |
| storvsc | ſ | DhcpClientle | dentifier | | | | | | | | |
| svsvc | | Value data: | | | | | | | | | |
| swenum | | 0000 | 77 | 65 | 62 | 75 | 69 | | webu | | |
| swprv | | 0000 | 177 | 05 | 62 | /5 | 69 | | webu | 1 | |
| SynaMetSMI | | | | | | | | | | | |
| Synth3dVsc | | | | | | | | | | | |
| SynTP | | | | | | | | | | | |
| SynTPEnhService | | | | | | | | | | | |
| SysMain | | | | | | | | | | | |
| SystemEventsBroker | | | | | | | | | | | |
| SzCCID | | | | | | | | | | | |
| TabletInputService | | | | | | | | | | | |
| TapiSrv | | | | | | | | | ОК | Cancel | |
| E Tcpip | | | | | | | | | | Calicer | |
| - Linkage | 10 | <u>وااد</u> | | | | REO_D | WORD | UXJCHUOIS (1J | 00271091) | | |
| - Parameter | | | | | | | | | | | |
| Parameters Adapters | | | | | | | | | | | |
| > DNSRegisteredAdapters | | | | | | | | | | | |
| > ■ DivskegisteredAdapters > ■ Interfaces | | | | | | | | | | | |
| A line fraces | | | | | | | | | | | |
| [2e6a118d-8ff9-45c8-b861-13bbbf590a22] | | | | | | | | | | | |
| - {3f99fba7-ae95-43f6-b34c-e2fbdde8cb40} | | | | | | | | | | | |
| 46836ffc-6358-4da1-b9f8-a2a10f1a0c48 | | | | | | | | | | | |
| 4828db99-4092-4a20-903b-e304a283e9f0 | | | | | | | | | | | |
| - {7baa2017-910a-4c77-b968-a9beb40c9646 | | | | | | | | | | | |
| - [{922467f8-ace4-4789-93b6-9a3799a7b574} | | | | | | | | | | | |
| - [(b20b01ef-9511-4f8d-af8d-c03a948db0e1) | | | | | | | | | | | |
| (b5fdd031-2580-445b-8430-074e5248bd14 | | | | | | | | | | | |

5. Restart the PC for the configuration to take effect.

Setting up the DHCP Client Identifier on the client for MAC

1. Go to System Preferences >Network >Advanced >TCP >DHCP Client ID: and enter webui.

L

| | | | | Netw | ork | | Q Search |
|---------|------------|--------------------|-----------------|---------|-----------|------------|------------------|
| 📄 Wi-Fi | | | | | | | |
| • | Wi-Fi | TCP/IP | DNS | WINS | 802.1X | Proxies | Hardware |
| | | | | | | | |
| Config | jure IPv4: | Using DI | HCP | | | \$ | |
| IPv4 | Address: | XXXXXXXXXXX | 16X XX 8 | | | | Renew DHCP Lease |
| Subr | net Mask: | 2222/000 | (12)55/2X(3) | | DHCP | Client ID: | |
| | Router: | 100000000 | 10XXXX | | | | (If required) |
| Config | jure IPv6: | Automat | ically | | | \$ | |
| | Router: | texexxxexx | S MXDexi | 8X3496X | | | |
| IPv6 | Address: | 20087742 | 0050000 | ***** | KKK BXXXX | **** | |
| Prefi | x Length: | 162 8 X | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | Cancel |
| | | | | | | | Cancer |

Figure 2: Setting up DHCP Client Identifier on MAC

2. Click **OK** to save the changes.

The bootup script runs the configuration wizard, which prompts you for basic configuration input: (Would you like to enter the initial configuration dialog? [yes/no]:). To configure Day 0 settings using the web UI, do not enter a response. Perform the following tasks instead:

- **Step 1** Make sure that no devices are connected to the switch.
- **Step 2** Connect one end of an ethernet cable to one of the downlink (non-management) ports on the active supervisor and the other end of the ethernet cable to the host (PC/MAC).
- **Step 3** Set up your PC/MAC as a DHCP client, to obtain the IP address of the switch automatically. You should get an IP address within the 192.168.1.x/24 range.

Figure 3: Obtaining the IP Address

| ems > Network Connectio | ins | | ~ Ū | Search Network C |
|---|--|---|-------------------------|---|
| his connection Rename | e this connection View s | tatus of this connection | Change settings of this | connection 🖷 |
| Cisco AnyConnect Secu Mobility Client Connec Disabled | tion 🦰 🌄 Uni | ernet dentified network el(R) Ethernet Connectio | Enable | Loopback Adapter d Loopback Adapter |
| VMware Network Ada VMnet8 | Network Connection Details | s | × | |
| | Property Connection-specific DNS S Description Physical Address DHCP Enabled IPv4 Address IPv4 Subnet Mask Lease Obtained Lease Expires IPv4 Default Gateway IPv4 DHCP Server IPv4 DHCP Server IPv4 DNS Server IPv4 WINS Server NetBIOS over Tcpip Enabl | Intel(R) Ethernet Connection 54-EE-75-DC-9F-06 Yes 192.168.1.3 255.255.255.0 Tuesday, June 11, 2019.8.25 Wednesday, June 12, 2019 192.168.1.1 192.168.1.1 | :33 AM | |

It may take up to three mins. You must complete the Day 0 setup through the web UI before using the device terminal.

- **Step 4** Launch a web browser on the PC and enter the device IP address (https://192.168.1.1) in the address bar.
- **Step 5** Enter the Day 0 username webui and password serial number of the switch.

The serial number is case sensitive.

What to do next

Create a user account.

Creating User Accounts

Setting a username and password is the first task you will perform on your device. Typically, as a network administrator, you will want to control access to your device and prevent unauthorized users from seeing your network configuration or manipulating your settings.

Step 1 Log on using the default username and password provided with the device.

Step 2 Set a password of up to 25 alphanumeric characters. The username password combination you set gives you privilege 15 access. The string cannot start with a number, is case sensitive, and allows spaces but ignores leading spaces.

Figure 4: Create Account

| Configuration Se | etup Wizard | | | | |
|--------------------|----------------|--------------------|----------------------|-----------------------|-------------------------|
| CREATE ACCOUNT | BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY |
| Create New Account | | | | Hardware and Software | details of the device. |
| Login Name | | | | Platform Type: | |
| Password | | | | IOS Installed: | |
| Confirm password | | | | Serial Number: | |
| | | | | | |
| | | | | Modules: | |
| | | | | License Installed: | |
| | | | | | |
| | | Create New Account | | | Basic Device Settings > |
| | | | | | |
| | | | | | |
| | | | | | |

Choosing Setup Options

Select **Wired Network** to configure your device based on a site profile, and continue to configure switch wide settings. Otherwise, continue to the next step and configure only basic settings for your device.

Configuring Basic Device Settings

On the **Basic Device Settings** page configure the following information:

Step 1 In the **Device ID and Location Settings** section, type a unique name to identify your device in the network.

Step 2 Choose the date and time settings for your device. To synchronize your device with a valid outside timing mechanism, such as an NTP clock source, choose Automatic, or choose Manual to set it yourself.

| Configuration Setup Wizard | | | | | | | |
|---------------------------------|--------------------------|--------------|----------------------------|--|--|--|--|
| CREATE ACCOUNT | BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY | | |
| Device ID and Location Settings | | | | HELP A | ND TIPS | | |
| Device Name | | | ① Device name is mandatory | | | | |
| Date & Time Mode | Automatic | • | | device name is an identification that is gi | | | |
| | | | | If manual time is set then the difference configuring the device. | n time will be adjusted at the time of | | |
| Device Management Settings | Mon Aug 13 2018 14:18:06 | | | The management VRF is a dedicated, se manage the router inband on switched v interfaces. | | | |
| Management Interface | gigabitethernet0/0 | | | Select this to enable access to the devic password to authenticate user access to | e using Telnet. Configure a username and the device. | | |
| Management IP | x.x.x.x | | | Select this to enable secure remote according to a configure a username and password to a configure a secure and password to a configure a secure according to a contract the secure according to contract the secure according to | ess to the device using Secure Shell (SSH). authenticate user access to the device. | | |
| Subnet Mask | x.x.x.x | | | Enable transparent mode if you do not w transparent switch does not advertise its | ant the switch to participate in VTP. A VTP VLAN configuration and does not | | |
| Default Gateway (optional) | x.x.x.x (optional) | | | synchronize its VLAN configuration base transparent switches do forward VTP ad | d on received advertisements, but vertisements that they receive out their trunk | | |
| < Setup Options | | | | | Site Profile > | | |

Figure 5: Basic Settings - Device ID and Location Settings

- **Step 3** In the **Device Management Settings** section, assign an **IP address** to the management interface. Ensure that the IP address you assign is part of the subnet mask you enter.
- **Step 4** Optionally, enter an **IP** address to specify the default gateway.
- **Step 5** To enable access to the device using telnet, check the **Telnet** check box.
- **Step 6** To enable secure remote access to the device using Secure Shell (SSH), check the **SSH** check box.
- Step 7 Check the VTP transparent mode check box to disable the device from participating in VTP.

If you did not select **Wired Network**, in the earlier step, continue to the next screen to verify your configuration on the **Day 0 Config Summary** screen, and click **Finish**. To automatically configure your device based on a site profile, click **Setup Options**, and select **Wired Network**.

Figure 6: Basic Settings - Device Management Settings

| CREATE ACCOUNT | BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY |
|---------------------------|--------------------------|--------------|----------------------|--|--|
| | Mon Aug 13 2018 14:18:37 | | | HELP / | AND TIPS |
| vice Management Settings | | | | | |
| lanagement Interface | gigabitethernet0/0 | | | device name is an identification that is g | |
| fanagement IP | x.x.x.x | | | If manual time is set then the difference configuring the device. | in time will be adjusted at the time of |
| ubnet Mask | X.X.X.X | | | The management VRF is a dedicated, so manage the router inband on switched interfaces. | |
| efault Gateway (optional) | x.x.x.x (optional) | | | Select this to enable access to the devi password to authenticate user access to | ce using Telnet. Configure a username and o the device. |
| elnet | | | | Select this to enable secure remote acc Configure a username and password to | ess to the device using Secure Shell (SSH authenticate user access to the device. |
| SH | | | | Enable transparent mode if you do not w transparent switch does not advertise it | vant the switch to participate in VTP. A VT |
| TP transparent mode | | | | synchronize its VLAN configuration base | |
| < Setup Options | | | | | Site Profile > |
| | | | | | |
| | | | | | |

Configuring Your Device Based on a Site Profile

To ease your configuration tasks and save time, choose a site profile based on where your device may be installed and managed in your network. Based on the site profile you choose, your device is automatically configured according to Cisco best practices. You can easily modify this default configuration, from the corresponding detailed configuration screens.

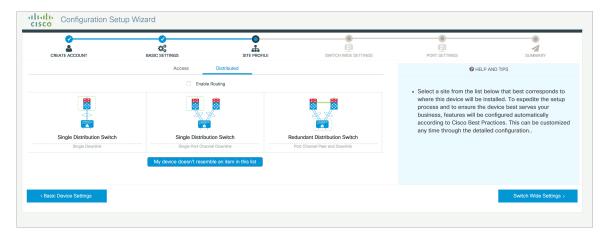
Choosing a site profile as part of Quick Setup allows you to configure your device based on the business needs of your enterprise. For example, you could use your device as an access switch, to connect client nodes and endpoints on your network, or as a distribution switch, to route packets between subnets and VLANs.

| Setting | Single Distribution Switch (Single Downlink) | Single Distribution Switch (Single Port Channel Downlink) | Redundant Distribution Switch (Port Channel Peer and Downlink) |
|------------------------------|---|---|---|
| Hostname | The hostname or device name you provided as part of Quick Setup | The hostname or device name you provided as part of Quick Setup | The hostname or device name you provided as part of Quick Setup |
| Spanning Tree Mode | RPVST+ | RPVST+ | RPVST+ |
| VTP | Mode Transparent | Mode Transparent | Mode Transparent |
| UDLD | Enabled | Enabled | Enabled |
| Error Disable Recovery | Recovery mode set to Auto | Recovery mode set to Auto | Recovery mode set to Auto |
| Port Channel Load Balance | Source Destination IP | Source Destination IP | Source Destination IP |
| SSH | Version 2 | Version 2 | Version 2 |
| SCP | Enabled | Enabled | Enabled |
| VTY Access to Switch | Enabled | Enabled | Enabled |
| Service Timestamp | Enabled | Enabled | Enabled |
| VLAN | The following VLANs are created: | The following VLANs are created: | The following VLANs are created: |
| | • Default VLAN | • Default VLAN | • Default VLAN |
| | • Data VLAN | • Data VLAN | • Data VLAN |
| | Voice VLAN | • Voice VLAN | • Voice VLAN |
| | Management VLAN | Management VLAN | Management VLAN |

Table 1: Default Configuration Loaded with Each Site Profile (Distribution Switches)

| Setting | Single Distribution Switch (Single Downlink) | Single Distribution Switch (Single Port Channel Downlink) | Redundant Distribution Switch (Port Channel Peer and Downlink) |
|----------------------|---|---|--|
| Management Interface | Layer 3 settings | Layer 3 settings | Layer 3 settings |
| | configured on the | configured on the | configured on the |
| | management port, based | management port, based | management port, based |
| | on Quick Setup | on Quick Setup | on Quick Setup |
| QoS Policy | QoS Policy for | QoS Policy for | QoS Policy for |
| | Distribution defined | Distribution defined | Distribution defined |
| Uplink Interfaces | Selected uplink ports | Selected uplink ports | Selected uplink ports |
| | connect to other | connect to other | connect to other |
| | distribution or core | distribution or core | distribution or core |
| | switches | switches | switches |
| Downlink Interfaces | Downlink connections to | Downlink connections to | Downlink connections to |
| | access switches | access switches | access switches |
| | configured in Trunk mode | configured in Trunk mode | configured in Trunk mode |
| Port-channel | Port-channel to core created | Port-channel to core or access created | Port-channel to core or distribution created |

Figure 7: Site Profile - Distribution Switches



| CREATE ACCOUNT | C BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY |
|---------------------------------|---|-------------------|------------------------------|--|--|
| | Access Dist | ibuted | | () HELP A | ND TIPS |
| Single Downlink (Routed Access) | Enable Rousing Single Distribution SV Single Pot Channel Downlak (Rou My device doesn't resemble an | itch R Port Cr | edundant Distribution Switch | Select a site from the list below that been installed. To expected the setup process business, business, | and to ensure the device best serves omatically according to Cisco Best Pra |
| Basic Device Settings | | | | | Switch Wide Setting |

Figure 8: Site Profile - Distribution Switches (with Routed Access)

Table 2: Default Configuration Loaded with Each Site Profile (Core Switches)

| Setting | Standalone Core Switch (with ECMP Peers) | Standalone Collapsed Core Switch (with ECMP Peer and Port Channel Downlink) |
|---------------------------|--|---|
| Hostname | The hostname or device name you provided as part of Quick Setup | The hostname or device name you provided as part of Quick Setup |
| UDLD | Enabled | Enabled |
| Error Disable Recovery | Recovery mode set to Auto | Recovery mode set to Auto |
| Port Channel Load Balance | Source Destination IP | Source Destination IP |
| SSH | Version 2 | Version 2 |
| SCP | Enabled | Enabled |
| VTY Access to Switch | Enabled | Enabled |
| Mitigate Address Spoofing | Unicast RPF (uRPF) in strict mode | Unicast RPF (uRPF) in strict mode |
| Service Timestamp | Enabled | Enabled |
| Management Interface | Layer 3 settings configured on the management port, based on Quick Setup | Layer 3 settings configured on the management port, based on Quick Setup |
| QoS Policy | QoS Policy for Distribution/Core defined | QoS Policy for Distribution/Core defined |
| Uplink Interfaces | Selected uplink ports connect to MAN/WAN device | Selected uplink ports connect to MAN/WAN device |
| Downlink Interfaces | Downlink connections to access switches | Downlink connections to distribution switches |

| Setting | Standalone Core Switch (with ECMP Peers) | Standalone Collapsed Core Switch (with ECMP Peer and Port Channel Downlink) |
|--------------------------|---|---|
| Cross-connect Interfaces | Selected ports connect to other core switches | Selected ports connect to other core switches |

Figure 9: Site Profile - Core Switches

| CREATE ACCOUNT | BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY |
|---|--------------------|--|----------------------|---|--|
| | Access Distributed | Core | | O HELP | AND TIPS |
| Standalone Core Switch with ECMP Peers | | Standalone Collap with ECMP Peer and Pe | | Select a site from the list behavior will be inspected with the inspected will be inspected and the ensure the difference of the ensurement of | talled. To expedite the setu evice best serves your busi utomatically according to C |
| | | | | | |

Configuring VLAN Settings

- **Step 1** In the VLAN Configuration section, you can configure both data and voice VLANs. Type a name for your data VLAN.
- Step 2 To configure a data VLAN, ensure that the Data VLAN check box is checked, type a name for your VLAN, and assign a VLAN ID to it. If you are creating several VLANs, indicate only a VLAN range.
- **Step 3** To configure a voice VLAN, ensure that the **Voice VLAN** check box is checked, type a name for your VLAN, and assign a VLAN ID to it. If you are creating several VLANs, indicate a VLAN range.

Configure STP Settings

- **Step 1** RPVST is the default STP mode configured on your device. You can change it to PVST from the **STP Mode** drop-down list.
- **Step 2** To change a bridge priority number from the default value 32748, change **Bridge Priority** to Yes and choose a priority number from the drop-down list.

Figure 10: VLAN and STP Settings

| CREATE ACCOUNT | BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY |
|---|----------------|--------------|----------------------|---|---|
| /LAN Configuration | | | | HELP A | ND TIPS |
| Data VLAN Voice VLAN Management V Switch Wide Settings STP Configuration STP Mode Bridge Priority | RPVST | • | | service by configuring ports phones on a specific VLAN. STP is to prevent bridge loops and the br | I allows you to enhance VoIP to carry IPvoice traffic from IP oadcast radiation that results from them. titles it as belonging to a particular domain. Device, use a severity level of warnings |
| Bridge Priority Number | 32768 | • | | Protocol for network management and its network devices, such as switches, and re | collecting information from, and configuring outers on an IP network. |
| eneral Configuration | | | | | |
| < Site Profile | | | | | Port Settings > |

Configuring DHCP, NTP, DNS and SNMP Settings

| Step 1 | In the Domain Details section, enter a domain name that the software uses to complete unqualified hostnames. |
|--------|---|
| Step 2 | Type an IP address to identify the DNS server. This server is used for name and address resolution on your device. |
| Step 3 | In the Server Details section, type the IP address of the DNS server that you want to make available to DHCP clients. |
| Step 4 | In the Syslog Server field, type the IP address of the server to which you want to send syslog messages. |
| Step 5 | To ensure that your device is configured with the right time, date and timezone, enter the IP address of the NTP server with which you want to synchronize the device time. |
| Step 6 | In the Management Details section, type an IP address to identify the SNMP server. SNMPv1, SNMPv2, and SNMPv3 are supported on your device. |

Step 7 Specify the **SNMP community** string to permit access to the SNMP protocol.

Figure 11: DHCP, NTP, DNS and SNMP Settings

| CREATE ACCOUNT | BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY |
|-----------------------|----------------|--------------|----------------------|--|---|
| ieneral Configuration | | | | HELP A | AND TIPS |
| omain Details | | | | | |
| Domain Name | | | | | d to carry user-generated traffic.Voice VLAt configuring ports to carry IPvoice traffic from |
| DNS Server | | | | STP is to prevent bridge loops and the b | proadcast radiation that results from them. |
| erver Details | | | | | ntifies it as belonging to a particular domain |
| DHCP Server | | | | Configure Syslog Client within the Cisco through emergencies to generate error malfunctions. | |
| Syslog Server | | | | Protocol for network manag | |
| NTP Server | | | | information from, and config as switches, and routers on | guring, network devices, such an IP network. |
| anagement Details | | | | | |
| < Site Profile | | | | | Port Settings > |

What to do next

Configure port settings.

Configuring Port Settings

Step 1 Based on the site profile chosen in the earlier step which is displayed in the left-pane, select the **Port Role** from among the following options:

- Uplink For connecting to devices towards the core of the network.
- Downlink For connecting to devices further down in the network topology.
- Access For connecting guest devices that are VLAN-unaware.
- **Step 2** Choose an option from the **Select Switch** drop-down list.
- **Step 3** Make selections from the **Available** list of interfaces based on how you want to enable them and move them to the **Enabled** list.

Figure 12: Port Settings

| CREATE ACCOUNT | BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY |
|----------------------|---|--------------|----------------------|---------------|----------------------|
| | Port Role O Uplink O / Select Switch ALL | Access | | | |
| 100 T S | Available (16) | Enabled (| 0) | | |
| | Uplinks 😒 | Interfaces | | | |
| | GigabitEthernet1/1/1 | <i>></i> | | | |
| | GigabitEthernet1/1/2 | ÷ | | | |
| S | GigabitEthernet1/1/3 | > | | | |
| | GigabitEthernet1/1/4 | > | | | |
| Switch Wide Settings | | | | | Day 0 Config Summary |

What to do next

- Click Day 0 Config Summary to verify your setup.
- Click Finish.

Figure 13: Day 0 Config Summary

| Configuration Set | tup Wizard | | | | | | | |
|------------------------------|-------------------------------------|--|--|--------------------------|-------------|--|--|--|
| CREATE ACCOUNT | BASIC SETTINGS | SITE PROFILE | SWITCH WIDE SETTINGS | PORT SETTINGS | SUMMARY | | | |
| SUMMARY | | | | | CLI Preview | | | |
| | This screen provides th | he summary of all the steps configured as a par | t of the day zero configuration. Please click Finish to configuration. | igure the device. | | | | |
| > General Information | ✓ User: test, ✓ Network Type: Wired | ✓ User: test, ✓ Network Type: Wired , ✓ Site Profile: Single Access Switch - Single Uplink | | | | | | |
| > Basic Device Configuration | 🗸 Controller Name: test, 🗸 Managem | ✓ Controller Name: test, ✓ Management Interface: gigabitethermet0/0(1.1.1.1), | | | | | | |
| > Global Switch Settings | ✓ Data VLAN: (), ✓ Voice VLAN: (not | ✓ Data VLAN: (), ✓ Voice VLAN: (not configured), ✓ STP Mode: rapid-pvst, ✓ Bridge Priority: 32768, ✓ DNS Server: , ✓ DHCP Server: , ✓ NTP Server: , ✓ Syslag Server: , ✓ SNMP Server: , ✓ SNM | | | | | | |
| > Port Configuration | | Uplink Ports | | Downlink Ports | | | | |
| | | No Ports were configured | | No Ports were configured | | | | |
| | | | | | | | | |
| | | | | | | | | |
| < Port Settings | | | | | Finish > | | | |
| | | | | | | | | |

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