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Software Configuration Guide, Cisco IOS XE 17.13.x (Catalyst 9500 Switches)

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Americas Headquarters

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Preface

This preface describes the conventions of this document and information on how to obtain other documentation. It also provides information on what's new in Cisco product documentation.

- Document Conventions, on page iii
- Related Documentation, on page v
- Obtaining Documentation and Submitting a Service Request, on page v

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 sup 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 y]	Optional alternative keywords are grouped in brackets and separated by vertical bars.			

Convention	Description
{x y}	Required alternative keywords are grouped in braces and separated by vertical bars.
[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.

Means the following information will help you solve a problem.

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Caution Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

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Timesaver

Means the described action saves time. You can save time by performing the action described in the paragraph.

Warning IMPORTANT SAFETY INSTRUCTIONS

Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Read the installation instructions before using, installing, or connecting the system to the power source. Use the statement number provided at the end of each warning statement to locate its translation in the translated safety warnings for this device. Statement 1071

SAVE THESE INSTRUCTIONS

Related Documentation

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

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.



CHAPIE

Contents

BGP EVPN VXLAN

Cisco DNA Service for Bonjour Cisco TrustSec High Availability Interface and Hardware Components IP Addressing Services IP Multicast Routing IP Routing Layer 2 Multiprotocol Label Switching Network Management Programmability Quality of Service 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.

- Introduction to Day 0 WebUI Configuration, on page 3
- Cisco DNA Center Cloud Onboarding Day 0 Wizard, on page 4
- Classic Day 0 Wizard, on page 7

Introduction to Day 0 WebUI Configuration

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. You can use WebUI to build configurations, monitor, and troubleshoot the device without having CLI expertise.

You have two methods to configure the switch using the WebUI.

- Cisco DNA Center Cloud Onboarding Day 0 Wizard
- Classic Day 0 Wizard

Figure 1: WebUI Day 0 Wizard

	DNAC Cloud Onboarding Day 0 Wizard		Classic Day 0 Wizard
	This wizard would enable you to on-board this device to dnacentercloud.cisco.com. The wizard would give you step by step guidance to configure the management interface and check the cloud reachability. Make sure you have created a Cisco DNA Center Cloud account and added the device before you start the wizard.		This wizard would enable you to configure the Switch with basic and advanced settings like User account, Management Interface IP address/UAN_STP mode solection etc. Once the wizard is successfully completed, user can access the Switch via WEBUI and command line using the Management Interface IP address provided.
	NS BELOW BEFORE YOU BEGIN		
Ensure that you	have all the required information from your service provide	er to complete the	configuration.
	wizard enables some recommended configurations. We rec		
them.			
them.	ps you to bring up your WAN/LAN connectivity quickly. You	can change the	configuration and configure advanced features after the
them.		i can change the o	configuration and configure advanced features after the
them. This wizard hel wizard completes 			

Cisco DNA Center Cloud Onboarding Day 0 Wizard

Use this wizard to configure the management interface and check if it is reachable through the cloud.



You must add the device to your Cisco DNA Center Cloud account before proceeding with this wizard.

Configuring Account Settings

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.

Procedure

Step 1	Log on using the default username webui and password cisco .
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.
Step 3	In the Device ID Settings section, type a unique name in the Device Name field to identify your device in the network.
Step 4	Enter the date and time for your device manually in the Time & Device Mode field. To synchronize your device with an external timing mechanism such as a Network Time Protocol (NTP) clock source, enter the IP address in the NTP Server field.

Figure 2: Account Settings

Configuration Setup Wiza	ard				
	EASIC SETTINGS			SUMMARY	
Create New Account			DEVICE INFO	HELP AND TIPS	^
Login Name*	testuser		Fachlish a secold second	ame and Password for the Device.	- 1
Login User Password*			Please remember it fo		- 1
Confirm Login User Password*			level.	rord for the privileged command	
Device ID Settings			Device name is an ide physical hardware dev	ntification that is given to the ice.	- 1
Device Name*	testdevice]	clock synchronization	I (NTP) is a networking protocol for between computer systems over able-latency data networks. Enter ITP server.	
NTP Server	X.X.X			en the difference in time will be configuring the device.	- 1
Date & Time Mode	NTP Time 🔻		adjusted at the time of	configuring the device.	- 1
					- 1
					-
< Welcome Page				Basic Settings	>

Configuring Basic Device Settings

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

Procedure

- **Step 1** In the **Device Management Settings** section, assign an IP address to the management interface using either *Static* or *DHCP* address.
- **Step 2** If you chose *Static*, perform the following steps:
 - a) Enter a VLAN ID to associate with the interface in the Associate VLAN Interface drop-down list.
 - b) Ensure that the IP address you assign is part of the subnet mask you enter.
 - c) Optionally, enter an IP address to specify the default gateway.
 - d) Enter the address of the DNS Server.

ACCOUNT SETTINGS	BASIC SETTINGS	SUMMARY
evice Management Settings		HELP AND TIPS
P Address	Static DHCP	
VLAN ID*	2	Select this to enable access to the device using Telnet. Configue username and password to authenticate user access to the dev
P Address*	x.x.x.x	Select this to enable access to the device using Telnet. Configure username and password to authenticate user access to the device user access to th
Subnet Mask*	XXXX	Select this to enable secure remote access to the device using Secure Shell (SSH). Configure a username and password to authenticate user access to the device.
Default Gateway (optional)	x.x.x.x (optional)	Enable transparent mode if you do not want the switch to partic
Associate VLAN Interface	GigabitEthernet1/0/2 🗸	in VTP. A VTP transparent switch does not advertise its VLAN configuration and does not synchronize its VLAN configuration based on received advertisements, but transparent switches do
DNS Server	XXXX	forward VTP advertisements that they receive out their trunk po VTP Version 2.

Figure 3: Basic Settings - Static Configuration

Step 3 If you chose *DHCP*, perform the following steps:

a) Enter a value in the VLAN ID field.

VLAN ID must be a value other than 1.

- b) Ensure that the IP address you assign is part of the subnet mask you enter.
- c) Optionally, enter an IP address to specify the default gateway.
- d) Enter the address of the DNS Server.

Figure 4: Basic Settings - DHCP Configuration

Configuration Set	up Wizard BASIC SETTINGS	TEST CONNECTIVITY	SUMMARY
Device Management Settings	© Static ● DHCP		HELP AND TIPS
VLAN ID* IP Address* Subnet Mask* Default Gateway (optional) DNS Server	2 XXXXX XXXXX XXXXX XXXXX XXXXX]]]	Select this to enable access to the device using Teinet. Configure a username and password to authenticite user access to the device. Select this to enable access to the device using Teinet. Configure a username and password to authenticate user access to the device. Select this to enable secure remote access to the device using Secure Shell (SSH). Configure a username and password to authenticate user access to the device. Enable transparent model if you do not want the switch to paticipate in VTP. A VTP transparent switch does not advertise its VLAN configuration and does not synchronize its VLAN configuration based on received advertisements, but transparent switchs do forward VTP advertisements that they receive out their trunk ports in VTP Version 2.
< Create New Account			Test Connectivity >

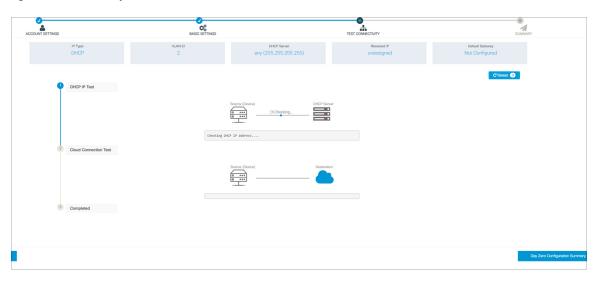
Configuring Test Connectivity

Procedure

- **Step 1** Use the **Test Connectivity/Retest** button to ensure that connection is established between the device to the Cisco DNAC Cloud.
- **Step 2** If connection is not established, click the **Retest** button.

If connection still fails, go to the previous **Basic Settings** page, make changes to the settings, and test connectivity again.

Step 3Once connectivity is established, go to the Day Zero Configuration Summary to save the configurations.Figure 5: Test Connectivity



Step 4 Verify that the configurations are applied successfully, and the device is redirected to Cisco DNAC Cloud.

What to do next

If redirection does not succeed, verify if the device is associated with a redirection controller profile on *Cisco PnP Connect (devicehelper)*.

Classic Day 0 Wizard

Use this wizard to configure the device with basic and advanced settings. Once complete, you can access the device through the WebUI using the management interface IP address.

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 6: Setting up DHCP Client Identifier on Windows

📑 Registry Editor				- 🗆 🗙
File Edit View Favorites Help				
Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlS	\Services\Tcpip\Parameters\Interfaces\{46836	ffc-6358-4da1-b9f8-a2a10f1a0c48}		
> stexstor	Name Ty	pe Data		
> stisvc		G_SZ (value not set)		
> 📙 storahci		G_DWORD 0x0000000 (0)		
> 📕 storfit		G_BINARY 77 65 62 75 69		
> 📙 stornvme		0_511VAR1 11 05 02 15 05		
> 📙 storqosfit	Edit Binary Value		×	le 01 00 79 00 00 00 00 00 00 0
> StorSvc	Value name:			
> 📙 storufs	DhcpClientIdentifier			
> storvsc				
> svsvc	Value data:			
> swenum	0000 77 65 62 7	5 69	webui	
> swprv				
- 📙 SynaMetSMI				
- Synth3dVsc				
> SynTP				
SynTPEnhService SysMain				
SystemEventsBroker SzCCID				
> TabletInputService				
> TapiSrv				
			OK Cancel	
Linkage	10 12			
- Parameter	-60.4	<u></u>		
✓ Parameters				
> Adapters				
> DNSRegisteredAdapters				
✓ Interfaces				
2a1d7785-5141-4b33-8f11-4b5cf324636c				
-] {2e6a118d-8ff9-45c8-b861-13bbbf590a22}				
-] {3f99fba7-ae95-43f6-b34c-e2fbdde8cb40}				
-] {46836ffc-6358-4da1-b9f8-a2a10f1a0c48}				
- 4828db99-4092-4a20-903b-e304a283e9f0}				
-1 {7baa2017-910a-4c77-b968-a9beb40c9646}				
- 4922467f8-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						
W	'i-Fi	CP/IP DN	S WINS	802.1X	Proxies	Hardware
Configure	e IPv4:	Using DHCP			0	
		*8.20022.2022				Renew DHCP Lease
Subnet	Mask:	22220002252	2x0x	DHCP	Client ID:	
F	Router:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	x			(If required)
Configure	e IPv6:	Automatical	У		0	
F	Router:	1260005878102	DEXIBXXXXXXXX			
IPv6 Ad	dress:	200182420052	DAXXXXXXXXXXX	xxxxxxxxx	KXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Prefix L	ength:	162 8 X				
?						Cancel OK

Figure 7: 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:

Procedure

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 8: Obtaining the IP Address

ems > Network Connectio	ons			Search Network C
his connection Renam	e this connection Views	status of this connection	Change settings o	of this connection
Cisco AnyConnect Sect Mobility Client Connect Disabled	ction 🦊 Un	hernet identified network el(R) Ethernet Connectio	E E	Ipcap Loopback Adapter nabled Ipcap Loopback Adapter
VMware Network Ada VMnet8 Enabled	Network Connection Detail	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 DHS 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 8-29 Wednesday, June 12, 2019 192.168.1.1 192.168.1.1	5:33 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 cisco.

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.

```
Procedure
```

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

L

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.

	BASIC SETTINGS	SITE PROFILE	SWITCH WIDE SETTINGS	PORT SETTINGS	SUMMARY
te New Account				Hardware and Software	details of the device.
in Name				Platform Type:	
sword				IOS Installed:	
firm password					
				Serial Number:	
				Modules:	
				License Installed:	
		Create New Account			Basic Device Settings

Figure 9: Create Account

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:

Procedure

- **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.

Figure	10: Basic	Settings -	Device IL	D and I	Location	Settings

Configuration Se	tup 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	ven to the physical hardware device.
				If manual time is set then the difference i 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 acce Configure a username and password to a	ass to the device using Secure Shell (SSH). authenticate user access to the device.
Subnet Mask	X.X.X.X			transparent switch does not advertise its	
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 >

- **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 11: 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 A	ND TIPS
vice Management Settings					
anagement Interface	gigabitethernet0/0			device name is an identification that is gi If manual time is set then the difference i	
anagement IP	x.x.x.x			configuring the device.	
ubnet Mask	X.X.X			The management VRF is a dedicated, se manage the router inband on switched v interfaces.	
efault Gateway (optional)	x.x.x.x (optional)			Select this to enable access to the devic password to authenticate user access to	e using Telnet. Configure a username and the device.
elnet				Select this to enable secure remote acce Configure a username and password to a	ass 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 its	
IP transparent mode				synchronize its VLAN configuration base transparent switches do forward VTP ad	d on received advertisements, but
< 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.

Configuring VLAN Settings

Procedure

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.

Configuring STP Settings

Procedure

- **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 12: VLAN and STP Settings

Configuration Setu			•		
CREATE ACCOUNT	BASIC SETTINGS	SITE PROFILE	SWITCH WIDE SETTINGS	PORT SETTINGS	SUMMARY
VLAN Configuration				HELP A	ND TIPS
Data VLAN Voice VLAN Management V[Switch Wide Settings					I allows you to enhance VolP to carry IPvoice traffic from IP
STP Configuration					number of the second se
STP Mode Bridge Priority	RPVST	T		Configure Syslog Client within the Cisco through emergencies to generate error r malfunctions.	
Bridge Priority Number	32768	×		Protocol for network management and it network devices, such as switches, and	a collecting information from, and configuring, routers on an IP network.
General Configuration					
< Site Profile					Port Settings >

Configuring DHCP, NTP, DNS and SNMP Settings

Procedure

- **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 13: DHCP, NTP, DNS and SNMP Settings

CREATE ACCOUNT	BASIC SETTINGS	SITE PROFILE	SWITCH WIDE SETTINGS	PORT SETTINGS	SUMMARY
General Configuration				O HELP A	ND TIPS
Iomain Details					
Domain Name					t to carry user-generated traffic.Voice VLAN onfiguring ports to carry IPvoice traffic from
DNS Server				STP is to prevent bridge loops and the b	roadcast 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 r malfunctions.	
Syslog Server				 Protocol for network manag 	
NTP Server				information from, and config as switches, and routers on	uring, network devices, such an IP network.
Management Details					
< Site Profile					Port Settings >
< Site Profile					Port Settings >

What to do next

Configure port settings.

Configuring Port Settings

Procedure

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 14: Port Settings

CREATE ACCOUNT	BASIC SETTINGS	SITE PROFILE		PORT SETTINGS	SUMMARY
	Port Role O Uplink C Select Switch ALL	Access			
	Available (16)	Enabled (0)		
	Uplinks	Interfaces			
	GigabitEthernet1/1/1	÷			
₩	GigabitEthernet1/1/2	<i>></i>			
·	GigabitEthernet1/1/3	<i>></i>			
	GigabitEthernet1/1/4	<i>></i>			
witch Wide Settings					Day 0 Config Summar

What to do next

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

Figure 15: Day 0 Config Summary

Configuration Set	up Wizard		<u></u>				
	BASIC SETTINGS	SITE PROFILE		PORT SETTINGS	SUMMARY		
JMMARY					CLI Preview		
	This screen provides	the summary of all the steps configured as a par	t of the day zero configuration. Please click Finish to confi	igure the device.			
> General Information	✓ User: test, ✓ Network Type: Wire	✓ User: test, ✓ Network Type: Wired , ✓ Site Profile: Single Access Switch - Single Uplink					
> Basic Device Configuration	🗸 Controller Name: test, 🛩 Manager	✓ Controller Name: test, ✓ Management Interface: gigabitethernet0/0(1.1.1.1),					
> Global Switch Settings	✓ Data VLAN: (), ✓ Voice VLAN: (no	✓ Data VLAN: (), ✓ Voice VLAN: (not configured), ✓ STP Mode: rapid-prest, ✓ Bridge Priority: 32768, ✓ DNS Server: , ✓ DHCP Server: , ✓ NTP Server: , ✓ Syslog Server: , ✓ SNMP Server:					
> Port Configuration		Uplink Ports		Downlink Ports			
		No Ports were configured		No Ports were configured			
< Port Settings					Finish >		

Configuring VTY Lines

For connecting to the device through Telnet or SSH, the Virtual Terminal Lines or Virtual TeleType (VTY) is used. The number of VTY lines is the maximum number of simultaneous access to the device remotely. If

the device is not configured with sufficient number of VTY lines, users might face issues with connecting to the WebUI. The default value for VTY Line is . The device allows up to simultaneous sessions.

Procedure

- **Step 1** From the WebUI, navigate through **Administration** > **Device** and select the **General** page.
- **Step 2** In the **VTY Line** field, enter **0-xx**, depending on how many VTY lines you want to configure.

Figure 16: Configuring VTY Line

Q Search Menu Items	Administration * > Device		
Dashboard	General	IP Routing	DISABLED
Monitoring >	FTP/SFTP/TFTP	Host Name*	SW-9200
Configuration >	Bluetooth	Banner	
(O) Administration			
C Licensing		Management Interface	GigabitEthernet0/0
		IP Address* 1	
Croubleshooting		Subnet Mask*	
		System MTU(Bytes) 6	1500
		VTY Line 0	0-30 ©View VTY options
		VTY Transport Mode	Select a value 🔹