

Setup based initially on the instructions below (16.9.x)

The screenshot shows a web browser window with the following content:

- Browser Tabs:** "cisco 1100 ISR configuration g...", "Cisco 1100 Series Software Con...".
- Address Bar:** "https://www.cisco.com/c/en/us/td/docs/routers/access/1100/software/configuration/xs-16-9...".
- Page Header:** "Book Contents", "Find Matches in This Book", "Download", "Print".
- Table of Contents (Left):**
 - Book Title Page
 - Overview
 - Using Cisco IOS XE Software
 - Installing the Software
 - Basic Router Configuration
 - Default Configuration
 - Console Port, Telnet, SSH Handling, and Reset
 - Session Initiation Protocol Triggered VPN
 - Setting Up Factory Default Device Using Web UI** (highlighted)
 - Process Health Monitoring
 - G.Fast and VDSL2 35b Profile
 - Encrypted Traffic Analytics
 - Smart Licensing
 - Configuring VDSL2 and ADSL2/22 Plus for Cisco C1100 Series ISRs
 - Cisco Fourth-Generation LTE Advanced on Cisco 1000 Series Integrated Services Router
 - Configuring Ethernet Switch Ports
- Main Content Area:**
 - Procedure**
 - Step 1:** Ensure that the router is in the factory fresh mode. If the router is not in the factory fresh mode, use the write erase option to erase all the configuration from the router.
 - Step 2:** Ensure that the following basic configuration is available on the device.

```
!
!
ip dhcp excluded-address 192.168.1.1 192.168.1.5
!
ip dhcp pool WEBUIPool
network 192.168.1.0 255.255.255.0
default-router 192.168.1.1
dns-server 192.168.1.1
!
!
username admin privilege 15 secret 0 admin
!
interface Vlan1
ip address 192.168.1.1 255.255.255.0
ip nat inside
no shutdown
!
```
 - Step 3:** Connect the PC to any of the switch port which is the member of VLAN1. By default, all the ports will be the member of VLAN1 and the PC receives the IP address from the pool WEBUIPool.
 - Step 4:** After your PC receives the IP address, launch the browser, type https://192.168.1.1/webui/#/dayZeroRouting or enter http://192.168.1.1/webui/#/dayZeroRouting.
 - Step 5:** Enter the default username **admin** and the password as **admin**.
- Right Sidebar:**
 - (Requires a Cisco Service Contract)
 - Related Cisco Community Discussions
 - [Cisco ISR 1100 WAP](#) (Last Reply 1 month ago in Routing)
 - [ISR 1100 WILL SUPPORT 20 IPSEC TUNNELS](#) (Last Reply 1 year ago in Routing)
 - [ISE and ISR 1100 compatibility](#) (Last Reply 3 months ago in Identity Services Engine (ISE))
 - Cisco Community
 - Share (Twitter, LinkedIn, Facebook, Email)
- Bottom Navigation:** "Using Basic or Advanced Mode Setup Wizard", "Configure LAN Settings".
- Windows Taskbar:** Search bar, taskbar icons, system tray showing "4:22 PM 6/30/2019".

Firefox on window 10

Router: Cisco C1111-8P -

https://192.168.10.1/webui/#/dayZeroRouting

Configuration Setup Wizard

Progress: BASIC ✓ LAN LAN PRIMARY WAN ✓ BACKUP WAN ✓ SECURITY / APP VISIBILITY ✓ SUMMARY

LAN Configuration

Device has already configured a DHCP pool with network undefined and which is capable of having undefined addresses. You can continue using the same pool for LAN Network.

✓ Webui DHCP Pool

LAN Network	✓
Subnet Mask	✓
Available IP	✓
LAN Interface	GigabitEthernet0/1/0,GigabitEthernet0/1/1,GigabitEthernet0/1/2,GigabitEthernet0/1/3,GigabitEthernet0/1/4,GigabitEthernet0/1/5,GigabitEthernet0/1/6,GigabitEthernet0/1/7 ✓

Select a Site Profile

< Basic Device Settings PRIMARY WAN SETTINGS >

HELP AND TIPS: An admin user will be created with the below details

Windows taskbar: Type here to search, 9:40 PM 6/28/2019

Lan setup cannot be modified

Router: Cisco C1111-8P -

https://192.168.10.1/webui/#/dayZeroRouting

Configuration Setup Wizard

Progress: BASIC (✓) LAN (✓) PRIMARY WAN (●) BACKUP WAN (✓) SECURITY / APP VISIBILITY (✓) SUMMARY (●)

WAN Configuration

WAN Type *

Interface *

DNS / IP Address

- ✓ Get DNS Server info directly from ISP
- ✓ Get IP automatically from ISP
- ✓ Enable NAT
- Enable IPv6

Connection and Authentication

Enable PPPOE

HELP AND TIPS

An admin user will be created with the below details

[< LAN SETTINGS](#) [BACKUP WAN SETTINGS >](#)

Type here to search

9:41 PM 6/28/2019

If I try to change the interface to g0/0/0 I get the message below

Configuration Setup Wizard



WAN Configuration

WAN Type *

Interface *

DNS / IP Address

- Get DNS Server info directly from ISP
- Get IP automatically from ISP
- Enable NAT
- Enable IPv6

Connection and Authentication

Enable PPPOE

< LAN SETTINGS

BACKUP WAN SETTINGS >

HELP AND TIPS

An admin user will be created with the below details

This is interface already selected as Lan Do you want change?

No Yes

CISCO Configuration Setup Wizard

Progress bar showing steps: BASIC (checked), LAN (checked), PRIMARY WAN (checked), BACKUP WAN (active), SECURITY / APP VISIBILITY (checked), SUMMARY (greyed out).

BACKUP WAN Configuration

Enable Backup WAN

Basic Device Settings

HELP AND TIPS

An admin user will be created with the below details

< PRIMARY WAN SETTINGS

SECURITY / APP VISIBILITY >

CISCO Configuration Setup Wizard

Progress bar: BASIC (checked), LAN (checked), PRIMARY WAN (checked), BACKUP WAN (checked), SECURITY / APP VISIBILITY (current), SUMMARY (greyed out)

Security Configuration

- ✓ Enable Cisco recommended security settings
 - ✓ This will ensure all passwords are not shown in plain text. They will be encrypted

Application Experience

- ✓ Enable Application Visibility
 - ✓ This will enabled Application Visibility on LAN and WAN interfaces..

Security / App Visibility

HELP AND TIPS

An admin user will be created with the below details

< PRIMARY WAN SETTINGS | Day 0 Config Summary >

Router: Cisco C1111-8P -

https://192.168.10.1/webui/#/dayZeroRouting

Configuration Setup Wizard

Progress: BASIC (✓) - LAN (✓) - PRIMARY WAN (✓) - BACKUP WAN (✓) - SECURITY / APP VISIBILITY (✓) - SUMMARY (●)

SUMMARY

CLI Preview

This screen provides the summary of all the steps configured as a part of the day zero configuration. Please click Finish to configure the device.

Basic	✓ Router Name: 1100ISR, ✓ Domain Name: 1100ISR.local, ✓ Time Zone: 2, ✓ Date & Time Mode: Automatic, ✓ Banner Message: Doar acces autorizat!, ✓ NTP Server: 192.168.1.1, ✗ Act as NTP Master: No
LAN	✓ LAN Interface: GigabitEthernet0/0/0, ✓ IP Address: , ✓ Subnet Mask: , ✓ Use as DHCP Server: Yes, ✓ Pool Name: , ✓ Network: (), ✗ Management Interface Configured: No
Primary WAN	✓ WAN Interface: GigabitEthernet0/0/1, ✓ IP Address: Automatic, ✓ DNS: Automatic, ✓ NAT: Enabled, ✗ IPv6: Disabled, ✗ PPPoE: Disabled
Backup WAN	✗ Not Configured
Security / App Visibility	✓ Cisco recommended security settings: Enabled, ✓ Application Visibility: Enabled

Day Zero Configuration Summary

< SECURITY / APP VISIBILITY Finish >

Type here to search

9:44 PM 6/28/2019

CLI Preview doesn't work. Nothing happens when clicked.

Chrome Browser on windows 10

Router: Cisco C1111-8P - x +

Not secure | <https://192.168.10.1/webui/#/dayZeroRouting>

Apps Login <https://10.66.0.130> Log in - VMware ESXi | Other bookmarks

CISCO Configuration Setup Wizard

Hardware and Software details of the device.

- Platform Type: C1111-8P
- IOS Installed: 16.9.2, RELEASE SOFTWARE (fc4)
- Modules: C1111-2x1GE [Front Panel 2 port Gigabitethernet Module]
- License Installed: ipbase

< Back to Welcome Screen

Create New Account

An admin user will be created with the below details

Login Name

Password

Confirm password

CREATE & LAUNCH WIZARD

Type here to search

9:47 PM 6/28/2019

CISCO Configuration Setup Wizard



BASIC SETTINGS

Router Name *	<input type="text" value="1100ISR"/>
Domain Name *	<input type="text" value="1100ISR.local"/>
Time Zone *	<input type="text" value="(GMT+02:00) Bucharest"/>
Date & Time Mode	<input type="text" value="Automatic"/>
	Fri Jun 28 2019 21:49:35
Banner Message	<input type="text" value="Doar acces autorizat!"/>
Synchronize with NTP Server *	<input type="text" value="192.168.1.1"/>
<input type="checkbox"/> Make this router as NTP Master	

HELP AND TIPS

With domain name set device can be uniquely identified as <hostname>.<domainname>

< GOTO TO Account Creation Page

LAN SETTINGS >

Router: Cisco C1111-8P - x +

Not secure | https://192.168.10.1/webui/#/dayZeroRouting

Apps Login https://10.66.0.130 Log in - VMware ESXi Other bookmarks

CISCO Configuration Setup Wizard

BASIC LAN PRIMARY WAN BACKUP WAN SECURITY / APP VISIBILITY SUMMARY

LAN Configuration

Device has already configured a DHCP pool with network undefined and which is capable of having undefined addresses. You can continue using the same pool for LAN Network.

Webui DHCP Pool

LAN Network	✓
Subnet Mask	✓
Available IP	✓
LAN Interface	GigabitEthernet0/1/0,GigabitEthernet0/1/1,GigabitEthernet0/1/2,GigabitEthernet0/1/3,GigabitEthernet0/1/4,GigabitEthernet0/1/5,GigabitEt

Select a Site Profile

< Basic Device Settings PRIMARY WAN SETTINGS >

HELP AND TIPS

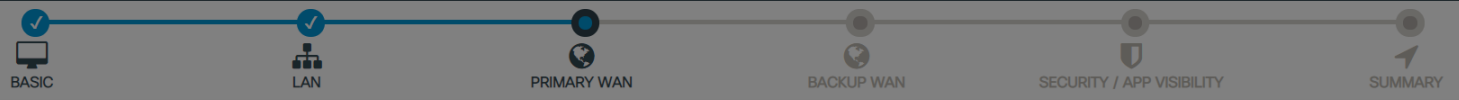
An admin user will be created with the below details

Type here to search

9:51 PM 6/28/2019

Things look more promising as I was able to modify the Lan settings. But unfortunately....

CISCO Configuration Setup Wizard



WAN Configuration

WAN Type *
Interface *

DNS / IP Address

- Get DNS Server info directly from ISP
- Get IP automatically from ISP
- Enable NAT
- Enable IPv6

Connection and Authentication

- Enable PPPOE

< LAN SETTINGS

BACKUP WAN SETTINGS >

This is interface already selected as Lan Do you want change?

No Yes

HELP AND TIPS

An admin user will be created with the below details

Router: Cisco C1111-8P - x +

Not secure | https://192.168.10.1/webui/#/dayZeroRouting

Apps Login https://10.66.0.130 Log in - VMware ESXi Other bookmarks

CISCO Configuration Setup Wizard

Progress: BASIC (checked) | LAN | PRIMARY WAN | BACKUP WAN | SECURITY / APP VISIBILITY | SUMMARY

Webui DHCP Pool

Pool Name*

Network *

Create and Associate Access Vlan

Access Vlan *

IP Address *

Available (0) Selected (8)

No Interfaces available

- GigabitEthernet0/1/0
- GigabitEthernet0/1/2
- GigabitEthernet0/1/4

HELP AND TIPS: An admin user will be created with the below details

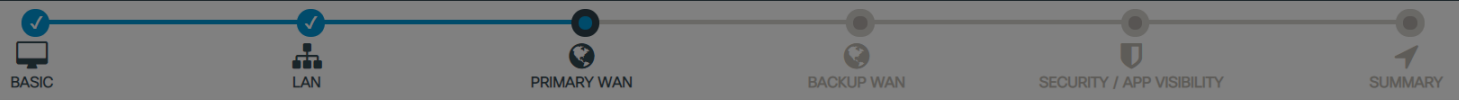
< Basic Device Settings PRIMARY WAN SETTINGS >

Type here to search

9:55 PM 6/28/2019

Tired a different setup...G0/0/0 is not among the selected interfaces. But still....

CISCO Configuration Setup Wizard



WAN Configuration

WAN Type *
Interface *

DNS / IP Address

- Get DNS Server info directly from ISP
- Get IP automatically from ISP
- Enable NAT
- Enable IPv6

Connection and Authentication

- Enable PPPOE

< LAN SETTINGS


BACKUP WAN SETTINGS >

This is interface already selected as Lan Do you want change?

No Yes

HELP AND TIPS

An admin user will be created with the below details

 Configuration Setup Wizard

Progress bar with steps: BASIC (checked), LAN (checked), PRIMARY WAN (checked), BACKUP WAN (active), SECURITY / APP VISIBILITY (disabled), SUMMARY (disabled).


BACKUP WAN Configuration

Enable Backup WAN

HELP AND TIPS

An admin user will be created with the below details

[< PRIMARY WAN SETTINGS](#) [SECURITY / APP VISIBILITY >](#)

 Configuration Setup Wizard

Progress bar with steps: BASIC (checked), LAN (checked), PRIMARY WAN (checked), BACKUP WAN (checked), SECURITY / APP VISIBILITY (current), SUMMARY (unchecked).

Security Configuration

- Enable Cisco recommended security settings
 - ✓ This will ensure all passwords are not shown in plain text. They will be encrypted

Application Experience

- Enable Application Visibility
 - ✓ This will enabled Application Visibility on LAN and WAN interfaces..

Security / App Visibility

HELP AND TIPS
An admin user will be created with the below details

< PRIMARY WAN SETTINGS Day 0 Config Summary >

Router: Cisco C1111-8P - x +

Not secure | https://192.168.10.1/webui/#/dayZeroRouting

Apps Login https://10.66.0.130 Log in - VMware ESXi Other bookmarks

CISCO Configuration Setup Wizard

BASIC LAN PRIMARY WAN BACKUP WAN SECURITY / APP VISIBILITY SUMMARY

SUMMARY

CLI Preview

This screen provides the summary of all the steps configured as a part of the day zero configuration. Please click Finish to configure the device.

> Basic	✓ Router Name: 1100ISR, ✓ Domain Name: 1100ISR.local, ✓ Time Zone: 2, ✓ Date & Time Mode: Automatic, ✓ Banner Message: Doar acces autorizati!, ✓ NTP Server: 192.168.1.1, ✗ Act as NTP Master: No
> LAN	✓ LAN Interface: GigabitEthernet0/0/0, ✓ IP Address: 192.168.10.1, ✓ Subnet Mask: , ✗ Use as DHCP Server: No, ✗ Management Interface Configured: No
> Primary WAN	✓ WAN Interface: GigabitEthernet0/0/1, ✓ IP Address: Automatic, ✓ DNS: Automatic, ✓ NAT: Enabled, ✗ IPv6: Disabled, ✗ PPPoE: Disabled
> Backup WAN	✓ WAN Interface: GigabitEthernet0/0/0, ✓ IP Address: Automatic, ✓ NAT: Enabled, ✗ IPv6: Disabled, ✗ PPPoE: Disabled
> Security / App Visibility	✓ Cisco recommended security settings: Enabled, ✓ Application Visibility: Enabled

< SECURITY / APP VISIBILITY Finish >

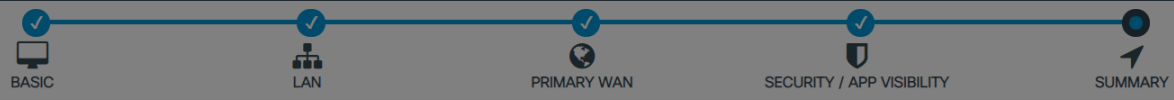
Type here to search

9:59 PM 6/28/2019

I have G0/0/0 as LAN???. And also, as WAN Backup

CLI Preview does not work

CISCO Configuration Setup Wizard



SUMMARY CLI Preview

This screen provides the summary of all the steps configured as a part of the day zero configuration. Please click Finish to configure the device.

Basic	✓ Router Name: 1100ISR, ✓ NTP Server: 192.168.1.1	✓ Banner Message: Doar acces autorizati,
LAN	✓ LAN Interface: GigabitEthernet0/24	No, ✗ Management Interface Configured: No
Primary WAN	✓ WAN Interface: GigabitEthernet0/20	Disabled, ✗ PPPoE: Disabled
Backup WAN	✓ WAN Interface: GigabitEthernet0/21	Disabled
Security / App Visibility	✓ Cisco recommended security settings: Enabled, ✓ Application Visibility: Enabled	

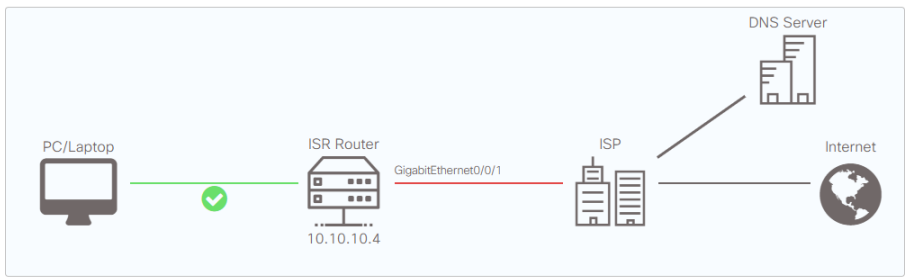
Success

Configuration successful. Please access WebUI using the configured Management IP Address.

OK

CISCO Configuration Setup Wizard

Test WAN Connection



✘ IP Address not assigned

- ▶ Checking DNS Information
- ▶ Pinging DNS Servers
- ▶ Pinging a Public Domain from your router

✘
Connection to WAN Failed

[Try Again](#) [Go to Dashboard](#)

Search Menu Items

- Dashboard
- Monitoring
- Configuration
- Administration
- Troubleshooting

Dashboard

CPU & Memory Pressure Graph

Last Updated: 6/28/2019, 10:15:05 PM

Slot: RP0

CPU Utilization

CPU: 0

Process	CPU (%)
User	4.13
System	2.01
Idle	93.14

[Advanced CPU View](#)

Memory Utilization

Memory Details	Size (KB)
Total	4020904
Used	2291792
Free	1729112
Committed	2154724

[Advanced Memory View](#)

FlashMemory

Last Updated: 6/28/2019, 10:15:04 PM

Free : 2.13(GB)

System Information

Last Updated: 6/28/2019, 10:15:06 PM

- Device Type:** C1111-8P
- Boot Image:** bootflash:c1100-universalk9_ias.16.09.02.SPA.bin
- Last Reload Reason:** Reload Command
- Last Configuration Change:** 18:40:12 UTC Fri Jun 28 2019
- Redundancy Mode:** Non-redundant
- Primary WAN:** Not Configured
- Backup WAN:** Not Configured

Search Menu Items

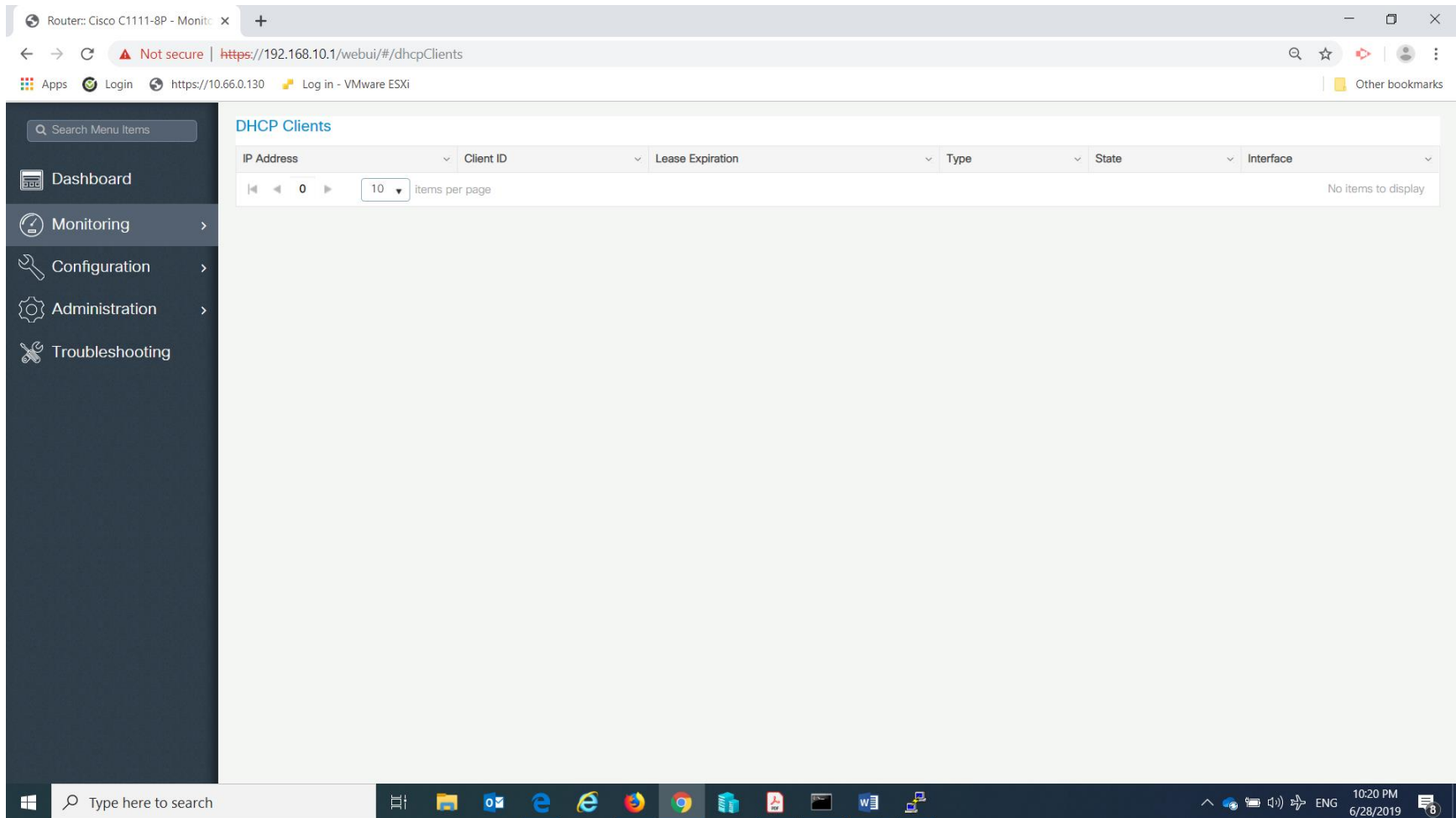
- Dashboard
- Monitoring
- Configuration
- Administration
- Troubleshooting

Ethernet

Primary WAN: Not Configured Backup WAN: Not Configured [Create VRF-Lite](#)

Name	Admin Status	Operational Status	IP Address	Layer	Sub Interfaces Count	Description
GigabitEthernet0/0/0	↓	↓	unassigned	L3	0	
GigabitEthernet0/0/1	↓	↓	unassigned	L3	0	
GigabitEthernet0/1/0	↑	↑	unassigned	L2	N/A	
GigabitEthernet0/1/1	↑	↓	unassigned	L2	N/A	
GigabitEthernet0/1/2	↑	↓	unassigned	L2	N/A	
GigabitEthernet0/1/3	↑	↓	unassigned	L2	N/A	
GigabitEthernet0/1/4	↑	↓	unassigned	L2	N/A	
GigabitEthernet0/1/5	↑	↓	unassigned	L2	N/A	
GigabitEthernet0/1/6	↑	↓	unassigned	L2	N/A	
GigabitEthernet0/1/7	↑	↓	unassigned	L2	N/A	

1 - 10 of 10 items



No DHCP Clients!

The laptop I used to capture the screens is a dhcp client

- Search Menu Items
- Dashboard
- Monitoring
- Configuration
- Administration
- Troubleshooting

VLAN

SVI | VLAN | VLAN Group

[+ Add](#) [x Delete](#)

Name	Admin Status	Operational Status	IP Address	IPv6 Address	Description
Vlan1	+	+	192.168.10.1	unassigned	

10 items per page | 1 - 1 of 1 items

VLAN

Interface

- Ethernet
- Logical
- Layer2
- VLAN**
- Routing Protocols
 - EIGRP
 - OSPF
 - Static Routing
- Security
 - AAA
 - ACL
 - NAT
- Services
 - IOx
 - NetFlow
 - Python Sandbox
 - QoS

VLAN Group

Admin Status	Operational Status	IP Address	IPv6 Address	Description
+	+	192.168.10.1	unassigned	

items per page 1 - 1 of 1 items

Search Menu Items

- Dashboard
- Monitoring
- Configuration
- Administration
- Troubleshooting

DHCP

Pools DHCP Persistence

+ Add - Delete

Pool Name
<input type="checkbox"/> webuipool

1 10 items per page

Edit DHCP Pool: webuipool

General **Advanced**

Enable DNS Proxy

Default Router(s) xxx.xxx.xxx.xxx +

DNS Server(s) xxx.xxx.xxx.xxx +

IP Address	Remove
192.168.10.1	x

NetBios Name Server(s) xxx.xxx.xxx.xxx +

Domain cisco.com

IP Address	Remove
No items to display	

DHCP Options List

+ Add - Delete

DHCP Options	Options Value
No items to display	

Cancel Update & Apply to Device

COM4 - PuTTY

end

Router#show running-config
Building configuration...

Current configuration : 6303 bytes

!
! Last configuration change at 19:16:19 UTC Fri Jun 28 2019 by admin
!

version 16.9
service timestamps debug datetime msec
service timestamps log datetime msec
service internal
! Call-home is enabled by Smart-Licensing.
service call-home
platform qfp utilization monitor load 80
no platform punt-keepalive disable-kernel-core

!
hostname Router
!
boot-start-marker
boot-end-marker

!
!
no aaa new-model
call-home

! If contact email address in call-home is configured as sch-smart-licensing@cisco.com
! the email address configured in Cisco Smart License Portal will be used as contact email address to send SCH notifications.
contact-email-addr sch-smart-licensing@cisco.com
profile "CiscoTAC-1"
 active
 destination transport-method http
 no destination transport-method email

!
!
ip dhcp excluded-address 192.168.10.1 192.168.10.10

!
ip dhcp pool webuiipool
 network 192.168.10.0 255.255.255.0
 default-router 192.168.10.1
 dns-server 192.168.10.1

--More--

Type here to search

ENG

10:29 PM
6/28/2019

COM4 - PuTTY


```
!  
!  
username admin privilege 15 secret 5 $1$U/mW$Uz7tClMck8vye.OAUUVd41  
!  
redundancy  
mode none  
!  
vlan internal allocation policy ascending  
!  
!  
!  
!  
!  
!  
interface GigabitEthernet0/0/0  
no ip address  
shutdown  
negotiation auto  
!  
interface GigabitEthernet0/0/1  
no ip address  
shutdown  
negotiation auto  
!  
interface GigabitEthernet0/1/0  
!  
interface GigabitEthernet0/1/1  
!  
interface GigabitEthernet0/1/2  
!  
interface GigabitEthernet0/1/3  
!  
interface GigabitEthernet0/1/4  
!  
interface GigabitEthernet0/1/5  
!  
interface GigabitEthernet0/1/6  
!  
interface GigabitEthernet0/1/7  
!  
interface Vlan1  
ip address 192.168.10.1 255.255.255.0  
ip nat inside  
!  
ip forward-protocol nd  
ip http server  
ip http authentication local  
ip http secure-server  
--More--
```

Type here to search



10:30 PM
6/28/2019

```
COM4 - PuTTY
shutdown
 negotiation auto
!
interface GigabitEthernet0/1/0
!
interface GigabitEthernet0/1/1
!
interface GigabitEthernet0/1/2
!
interface GigabitEthernet0/1/3
!
interface GigabitEthernet0/1/4
!
interface GigabitEthernet0/1/5
!
interface GigabitEthernet0/1/6
!
interface GigabitEthernet0/1/7
!
interface Vlan1
 ip address 192.168.10.1 255.255.255.0
 ip nat inside
!
ip forward-protocol nd
ip http server
ip http authentication local
ip http secure-server
!
!
!
!
!
!
!
control-plane
!
!
line con 0
 transport input none
 stopbits 1
line vty 0 4
 login
!
!
!
!
!
!
end
Router#
```



I do understand bad software... but I do not understand bad software that comes with an expensive appliance and it cannot be updated without a service contract.

