

System Bootstrap, Version 12.4(13r)T, RELEASE SOFTWARE (fc1)
Technical Support: <http://www.cisco.com/techsupport>
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System Bootstrap, Version 12.4(13r)T10, RELEASE SOFTWARE (fc1)
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Total memory size = 768 MB - DIMM0 = 512 MB, DIMM1 = 256 MB
c3845 platform with 786432 Kbytes of main memory
Main memory is configured to 72/72(dimmm 0/1) bit mode with ECC enabled

Upgrade ROMMON initialized
program load complete, entry point: 0x8000f000, size: 0xcb40
program load complete, entry point: 0x8000f000, size: 0xcb40

program load complete, entry point: 0x80010000, size: 0x266833c
Self decompressing the image :

[OK]

Smart Init is enabled
smart init is sizing iomem

ID	MEMORY_REQ	TYPE
00042C	0X010D78F3	C3845 motherboard
	0X00280000	OIR memory
	0X00288860	DSP SIMM
	0X00281F0A	Onboard VPN
	0X000021B8	Onboard USB
	0X00660670	public buffer pools
	0X0078F000	public particle pools
TOTAL:	0X02653885	

If any of the above Memory Requirements are "UNKNOWN", you may be using an unsupported configuration or there is a software problem and system operation may be compromised.
Rounded IOMEM up to: 39Mb.
Using 5 percent iomem. [39Mb/768Mb]
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Cisco IOS Software, 3800 Software (C3845-ADVENTERPRISEK9-M), Version 12.4(23), RELEASE SOFTWARE (fc1)
Technical Support: <http://www.cisco.com/techsupport>
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Compiled sun 09-Nov-08 03:02 by prod_rel_team

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A summary of U.S. laws governing Cisco cryptographic products may be found at:
<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to
export@cisco.com.

Cisco 3845 (revision 1.0) with 746496K/39936K bytes of memory.
Processor board ID FTX1249A3DY
2 Gigabit Ethernet interfaces
1 Virtual Private Network (VPN) Module
DRAM configuration is 64 bits wide with parity enabled.
479K bytes of NVRAM.
500472K bytes of ATA System CompactFlash (Read/Write)

Press RETURN to get started!

sslinit fn

```
*Mar 31 18:50:18.083: %VPN_HW-6-INFO_LOC: Crypto engine: onboard 0 State changed to:
Initialized
*Mar 31 18:50:18.083: %VPN_HW-6-INFO_LOC: Crypto engine: onboard 0 State changed to: Enabled
*Mar 31 18:50:18.591: %LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to down
*Mar 31 18:50:18.591: %LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to down
*Mar 31 18:50:18.591: %LINEPROTO-5-UPDOWN: Line protocol on Interface VoIP-Null0, changed state
to up
*Mar 31 18:50:19.083: %LINEPROTO-5-UPDOWN: Line protocol on Interface Onboard VPN, changed state
to up
*Mar 31 18:50:19.591: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0,
changed state to down
*Mar 31 18:50:19.591: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1,
changed state to down
*Mar 31 18:50:20.903: %SYS-5-CONFIG_I: Configured from memory by console
*Mar 31 18:50:21.283: %SYS-5-RESTART: System restarted --
Cisco IOS Software, 3800 Software (C3845-
-----ADVENTERPRISEK9-M), Version 12.4(23), RELEASE SOFTWARE (fc1)
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Compiled Sun 09-Nov-08 03:02 by prod_rel_team
*Mar 31 18:50:21.287: %SNMP-5-COLDSTART: SNMP agent on host yourname is undergoing a cold start
*Mar 31 18:50:21.291: %SSH-5-ENABLED: SSH 1.99 has been enabled
*Mar 31 18:50:21.595: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is OFF
*Mar 31 18:50:22.863: %LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to
administratively down
*Mar 31 18:50:23.187: %LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to reset
*Mar 31 18:50:24.051: %DSPRM-5-UPDOWN: DSP 4 in slot 0, changed state to up
*Mar 31 18:50:25.347: %DSPRM-5-UPDOWN: DSP 3 in slot 0, changed state to
up
-----
Cisco Router and Security Device Manager (SDM) is installed on this device.
This feature requires the one-time use of the username "cisco"
with the password "cisco". The default username and password have a privilege level of 15.
```

Please change these publicly known initial credentials using SDM or the IOS CLI.
Here are the Cisco IOS commands.

```
username <myuser> privilege 15 secret 0 <mypassword>
no username cisco
```

Replace <myuser> and <mypassword> with the username and password you want to use.

For more information about SDM please follow the instructions in the QUICK START
GUIDE for your router or go to <http://www.cisco.com/go/sdm>

User Access Verification

```
Username:
*Mar 31 18:50:26.643: %DSPRM-5-UPDOWN: DSP 2 in slot 0, changed state to up
*Mar 31 18:50:27.939: %DSPRM-5-UPDOWN: DSP 1 in slot 0, changed state to up
*Mar 31 18:50:34.591: %LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to down
% Username: timeout expired!
Username: cisco
Password:
```

% Password expiration warning.

Cisco Router and Security Device Manager (SDM) is installed on this device and it provides the default username "cisco" for one-time use. If you have already used the username "cisco" to login to the router and your IOS image supports the "one-time" user option, then this username has already expired. You will not be able to login to the router with this username after you exit this session.

It is strongly suggested that you create a new username with a privilege level of 15 using the following command.

```
username <myuser> privilege 15 secret 0 <mypassword>
```

Replace <myuser> and <mypassword> with the username and password you want to use.

yourname#sh diag
3845 Backplane EEPROM:
Hardware Revision : 1.0
Top Assy. Part Number : 800-23093-01
Board Revision : B0
Deviation Number : 0
Fab Version : 04
PCB Serial Number : FOC12460TTN
RMA Test History : 00
RMA Number : 0-0-0-0
RMA History : 00
Part Number : 73-8639-04
CLEI Code : IPME110BRA
Chassis Serial Number : FTX1249A3DY
Product (FRU) Number : CISCO3845
Version Identifier : V01
Hardware date code : 20081111
EEPROM format version 4
EEPROM contents (hex):
0x00: 04 FF 40 04 2B 41 01 00 C0 46 03 20 00 5A 35 01
0x10: 42 42 30 88 00 00 00 00 02 04 C1 8B 46 4F 43 31
0x20: 32 34 36 30 54 54 4E 03 00 81 00 00 00 00 04 00
0x30: 82 49 21 BF 04 C6 8A 49 50 4D 45 31 31 30 42 52
0x40: 41 C2 8B 46 54 58 31 32 34 39 41 33 44 59 CB 92
--More-- 00000000 00000000 0x50: 43 49 53 43 4F 33 38 34 35 20 20 20 20 20 20 20
--More-- 00000000 00000000 0x60: 20 20 89 56 30 31 20 83 01 32 69 D7 FF FF FF FF
0x70: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

Backplane Registers

Backplane Revision: 00BE
Power Supply Status: F50F
-48V PS and Env Status: FFFF
-48V Isolation Control: 0007
Backplane Cookie: 000C
ENM/Backplane FPGA Revision: 00BE
ENM/Backplane FPGA Int0 Status: FFFF
ENM/Backplane FPGA Int2 Status: 00FF
ENM/Backplane FPGA Int4 Status : EF00
ENM Interrupt Mask: 0000
ENM/BP FPGA Interrupt 4 Mask: 0040
ENM1 Test Port: 00C3
ENM2 Test Port: 00C3
ENM3 Test Port: 00C3
ENM3 Test Port: 00C3
ENM LED Control: 0000
ENM OIR Control: 0000
--More-- 00000000 00000000 ENM OIR Status: 9999
ENM PCI Speed Status 000F
Backplane FPGA Diag Int Control: FFFF
ENM1 OIR State Machine Status: 4141
ENM2 OIR State Machine Status: 4141
ENM3 OIR State Machine Status: 0000

ENM4 OIR State Machine Status: 0000
Backplane Voltage Margin: 0000

Slot 0:
C3845 Mother board 1GE(TX,SFP),1GE(TX), integrated VPN and 4w Port adapter, 2 ports
Port adapter is analyzed
Port adapter insertion time 00:04:47 ago
Onboard VPN : FW ver01100200
EEPROM contents at hardware discovery:
PCB Serial Number : FOC12453GZV
Hardware Revision : 1.4
Top Assy. Part Number : 800-23616-07
Board Revision : A0
Deviation Number : 97818
Fab Version : 05
RMA Test History : 00

--More-- **XXXXXXXXXX** **XXXXXXXXXX** RMA Number : 0-0-0-0

RMA History : 00
Processor type : 69
CLEI Code : IPME110BRA
Product (FRU) Number : CISCO3845-MB
Version Identifier : V07
Chassis MAC Address : 0023.5efe.9e00
MAC Address block size : 48
Part Number : 73-8799-10
Hardware date code : 20081110
Chassis Serial Number : FTX1249A3DY

EEPROM format version 4

EEPROM contents (hex):

0x00: 04 FF C1 8B 46 4F 43 31 32 34 35 33 47 5A 56 40
0x10: 04 2C 41 01 04 C0 46 03 20 00 5C 40 07 42 41 30
0x20: 88 00 01 7E 1A 02 05 03 00 81 00 00 00 00 04 00
0x30: 09 69 C6 8A 49 50 4D 45 31 31 30 42 52 41 CB 8C
0x40: 43 49 53 43 4F 33 38 34 35 2D 4D 42 89 56 30 37
0x50: 20 D9 02 40 C1 C3 06 00 23 5E FE 9E 00 43 00 30
0x60: 82 49 22 5F 0A 83 01 32 69 D6 C2 8B 46 54 58 31
0x70: 32 34 39 41 33 44 59 FF FF FF FF FF FF FF FF

PVDM Slot 0:

--More-- **XXXXXXXXXX** **XXXXXXXXXX** 64-channel (G.711) Voice/Fax PVDMII DSP SIMM PVDM daughter card

Hardware Revision : 4.0
Part Number : 73-8541-05
Board Revision : C0
Deviation Number : 0
Fab Version : 04
PCB Serial Number : FOC12471TTT
RMA Test History : 00
RMA Number : 0-0-0-0
RMA History : 00
Processor type : 00
Product (FRU) Number : PVDM2-64
Version Identifier : V01

EEPROM format version 4

EEPROM contents (hex):

0x00: 04 FF 40 03 EC 41 04 00 82 49 21 5D 05 42 43 30
0x10: 88 00 00 00 00 02 04 C1 8B 46 4F 43 31 32 34 37
0x20: 31 54 54 54 03 00 81 00 00 00 00 04 00 09 00 CB
0x30: 88 50 56 44 4D 32 2D 36 34 89 56 30 31 20 D9 02
0x40: 40 C1 FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x50: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x60: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x70: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

--More-- **XXXXXXXXXX** **XXXXXXXXXX**

yourname#sh inv
NAME: "3845 chassis", DESCR: "3845 chassis"
PID: CISCO3845 , VID: V01 , SN: FTX1249A3DY

NAME: "c3845 Motherboard with Gigabit Ethernet", DESCR: "c3845 Motherboard with Gigabit Ethernet"
PID: CISCO3845-MB , VID: V07 , SN: FOC12453GZV

NAME: "PVDMII DSP SIMM with four DSPs", DESCR: "PVDMII DSP SIMM with four DSPs"
PID: PVDM2-64 , VID: V01 , SN: FOC12471TTT

yourname#show environment all

SYS PS1 is present.

Fan status: Normal
Input Voltage status: Normal
DC Output Voltage status: Normal
Type: AC
Thermal status: Normal

SYS PS2 is absent.

AUX(-48V) PS1 is absent.

AUX(-48V) PS2 is absent.

Fan 1 Normal
Fan 2 Normal
Fan 3 Normal

Fan Speed is Normal

Alert settings:

Intake temperature warning: Enabled, Threshold: 55
Core temperature warning: Enabled, Threshold: 70 (CPU: 90)
--More--
--More-- Board Temperature: Normal
Internal-ambient temperature = 28, Normal
CPU temperature = 40, Normal
Intake temperature = 21, Normal
Backplane temperature = 20, Normal

Voltage 1(3300) is Normal, Current voltage = 3300 mV
Voltage 2(5150) is Normal, Current voltage = 5153 mV
Voltage 3(2500) is Normal, Current voltage = 2525 mV
Voltage 4(1200) is Normal, Current voltage = 1203 mV

Nominal frequency

yourname# show crypto engine brief

crypto engine name: Virtual Private Network (VPN) Module
crypto engine type: hardware
State: Enabled
Location: onboard 0
Product Name: Onboard-VPN
FW Version: 01100200
Time running: 326 seconds
Compression: Yes
DES: Yes
3 DES: Yes
AES CBC: Yes (128,192,256)
AES CNTR: No
Maximum buffer length: 4096
Maximum DH index: 0700
Maximum SA index: 0700
Maximum Flow index: 1400
Maximum RSA key size: 2048

crypto engine name: Cisco VPN Software Implementation
crypto engine type: software
serial number: CF5A7AC8
crypto engine state: installed

--More-- crypto engine in slot: N/A

yourname#show flash

##	length	date/time	path
1	40273156	Feb 25 2009 19:21:38	+00:00 c3845-adventerprisek9-mz.124-23.bin
2	749101	Feb 25 2009 19:24:16	+00:00 256MB.sdf
3	93095	Feb 25 2009 19:24:18	+00:00 attack-drop.sdf
4	820224	Feb 25 2009 19:24:24	+00:00 common.tar
5	763392	Feb 25 2009 19:24:28	+00:00 es.tar
6	1463	Feb 25 2009 19:24:30	+00:00 home.html
7	1038	Feb 25 2009 19:24:32	+00:00 home.shtml

8	270848	Feb 25 2009	19:24:38	+00:00	home.tar
9	1187840	Feb 25 2009	19:24:44	+00:00	ips.tar
10	1684577	Feb 25 2009	19:24:50	+00:00	securedesktop-ios-3.1.1.27-k9.pkg
11	398305	Feb 25 2009	19:24:54	+00:00	sslclient-win-1.1.0.154.pkg

465764352 bytes available (46301184 bytes used)

yourname#