



Incremental Device Update (IDU) Bulletin For Network Compliance Manager 1.x

CiscoWorks

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Incremental Device Driver Update for CiscoWorks Network Compliance Manager

This document contains information about the device drivers supported by CiscoWorks Network Compliance Manager (NCM).

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Note: All or any part of the CiscoWorks NCM documentation set, including this document, might be upgraded over time. Therefore, we recommend that you access the CiscoWorks NCM documentation set using the following URL:

<http://www.cisco.com/c/en/us/support/cloud-systems-management/cisoworks-network-compliance-manager/tsd-products-support-eol-series-home.html>

3 Getting Started

This driver release supports the current release of CiscoWorks Network Compliance Manager (NCM). Please see the CiscoWorks Network Compliance Manager (NCM) Driver Pack Bulletin for a list of new and enhanced drivers in this driver release. Before running the driver installers, make sure to backup the contents of the folder where your drivers are located. The default locations are:

Windows: `\install_directory\server\lib\drivers`

Solaris: `/install_directory/server/lib/drivers`

Linux: `/install_directory/server/lib/drivers`

Note: It is recommended that you have a current backup of your database and system before performing any modifications or upgrades. Also, it is recommended to schedule a checkpoint snapshot after the driver pack update.

4 Installing Device Drivers on Windows Platform

To install the device drivers on a Windows platform:

1. On the CiscoWorks NCM server, run **cwncm16-18_driver_8118-112014_win-K9.zip** (NCM 1.6 - 1.8 installations).
2. Click **Next** on the Introduction page.
3. Click **Install** on the Pre-Installation Summary page.
4. Click **Yes** to reload the drivers.
5. A Web page opens displaying the login screen of your NCM server.
6. Login to the CiscoWorks NCM server using the Admin account.
7. Choose **Admin > Start/Stop Services**.
8. On the Start/Stop Services page, click the **Reload Drivers** button.
9. Click **OK** to reload the drivers.

5 Installing Device Drivers on Solaris Platform

To install the device drivers on a Solaris platform:

1. On the CiscoWorks NCM server, run **cwncm16-18_driver_8118-112014_sol-K9.zip** (NCM 1.6 - 1.8 installations) by executing the following command.

```
/bin/sh cwncm16-18_driver_8118-112014_sol-K9.zip
```

You can also move the .bin file to execute mode and execute the bin file by using the following commands:

```
chmod +x cwncm16-18_driver_8118-112014_sol-K9.zip
```

```
sh cwncm16-18_driver_8118-112014_sol-K9.zip
```

The device driver CLI installer will be launched.

2. Press **Enter**.

The device driver install wizard will appear.

We recommend that you quit all programs before continuing with this installation.

3. Press **Enter**.
4. Enter either:

- **y** to overwrite the Nmap files in `/opt/CWNCM/server/ext/nmap/`

or

- **n** to retain the current version of Nmap files.

Pre-installation summary will be displayed.

5. Verify the pre-installation summary and press **Enter**.
6. Enter the CiscoWorks NCM username and password to reload the device drivers.
7. Press **Enter** to exit the installer.

6 Installing Device Drivers on Linux Platform

To install device drivers on a Linux platform:

1. On the CiscoWorks NCM server, run **cwncm16-18_driver_8118-112014_lnx-K9.zip** by executing the following command.

```
/bin/sh cwncm16-18_driver_8118-112014_lnx-K9.zip
```

You can also move the .bin file to execute mode and execute the bin file by using the following commands:

```
chmod +x cwncm16-18_driver_8118-112014_lnx-K9.zip
```

```
./ cwncm16-18_driver_8118-112014_lnx-K9.zip
```

The device driver CLI installer will be launched.

2. Press **Enter**.

The device driver install wizard will appear.

We recommend that you quit all programs before continuing with this installation.

3. Press **Enter**.

4. Enter either:

- **y** to overwrite the Nmap files in `/opt/CWNCM/server/ext/nmap/`

or

- **n** to retain the current version of Nmap files.

Pre-installation summary will be displayed.

5. Verify the pre-installation summary and Press **Enter**.

7 Device Driver Updates for CiscoWorks NCM 1.6 and later releases

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Driver Builds:	8118-112014 (NCM 1.6–1.8)
Availability Date:	Friday, November 28, 2014
NCM Version(s) Supported:	NCM 1.6 and later

NCM 1.6 – 1.8

Following table lists the new device drivers that are supported in this release for CiscoWorks NCM 1.6 and later releases.

Vendor	Model	OS Version	Vendor Name Changed? (Y/N)	Remarks
Alcatel	OAW-4306G	6.3.1.6		
Alcatel Lucent	6850E-24PX	6.4.4		
Arista	7280SE-72	4.14.3F		
Audio Codes	M1000 ESBC	6.60A.281.003		
Avaya	G350	28.17.0, 28.17.0, 29.22.3, 30.24.0, 30.27.1		
Avaya	G450	31.22.1, 31.22.0, 30.26.0, 31.20.1, 34.6.0, 29.24.4, 36.8.0, 30.27.1		
Avaya	G700	30.20.0, 30.24.0, 30.18.1		
Ciena	5142	6.11.0		
Ciena	5160	6.11.0		
Cisco	C5508	7.0.98.0, 7.4.110.0, 8.x		
Cisco	Flex 8500 WLAN Controller	7.4.100.0, 8.x		
Cisco	IPS ASA-SS-10	7.0(8)E4		

Cisco	Router 1712	12.3(14)T		
Cisco	Router ASR5500	16.1.1		
Cisco	SCE 8000	4.1.0,4.5		
Cisco	Switch Nexus 7706	6.2(6a)		
Cisco	Switch SRW224G4	1.2.0		
Cisco	WiSM2	7.3.113.5		
Cisco	WS-C3850-48P	15.0(1)EX2 IOS-XE 03.06.00.E		
Cisco	WS-C6504-E	15.1(1)SY		
Enterasys	Switch C5G124-24P2	06.61.10.0008		
Enterasys	Switch C5K125-24P2	06.61.10.0008		
Enterasys	Switch C5K125-48P2	06.81.01.0027		
Exablaze	Exalink 50	0.4.4.3		
Extreme	X440-48p	15.1.3		
F5	BigIP 5250	11.6.0		
F5	BigIP 7250v	11.6.0		
F5	BigIP 10250v	11.6.0		
Fortigate	600C	4.0		
HP	Router MSR2003 (Comware)	5.20,7.10		
HP	Router MSR3012 (Comware)	5.20,7.10		
HP	Router MSR3044 (Comware)	7.10		
HP	Router MSR4060(Comware)	7.10		
HP	Switch FF 5930-32QSFP+	7.10		
HP	Switch FF 7904 firewall (Comware)	7.10		
HP	Switch FF 12916 firewall (Comware)	7.10		
HP	Switch A5120-24G-PPoE+ SI (Comware)	5.20		
HP	Switch 5130-24G-PoE+-4SFP+ (370W) EI (Comware)	7.10		
HP	Switch 5130-24G-SFP-4SFP+ EI (Comware)	7.10		
HP	Switch 5130-48G-PoE+-4SFP+ (370W) EI	7.10		
HP	Switch 5130-48G-4SFP+ EI	7.10		

HP	Switch 5406R z12(J9821A)	KB.15.15.0007		
HP	Switch 5412R z12(J9822A)	KB.15.15.0007		
HP	TippingPoint 7500NX	3.7.1.4231		
HP	VSR1001 (Comware)	7.10		
IBM	DataPower XG45	6.0.1.0		
Juniper	ACX 2200	12.3X53-D10.4		
Juniper	MAG-4610	8.0R6		
Juniper	Router MX2010	12.3R2-S4.2		
Juniper	Switch QFX5100-48S	13.2X51-D21.1		
Microsens	Ethernet Switch	8.4.1		
Zhone	DSLAM Raptor XP-170	MPX 1.16.3.203		

9 Expanded Device Support (Including Additional OS Versions)

Following table lists the additional OS versions that are supported in this release for CiscoWorks NCM 1.6 and later releases].

Supported Device Drivers for CiscoWorks NCM 1.6 and Later releases		
Vendor	Model	OS Version
Arris	Cadant CMTS C4	2.0, 4.02, 7.02, 8.00
Avaya	G430	30.24.0, 31.22.0, 31.20.1, 35.8.0, 34.6.0, 31.22.0, 31.22.1, 30.27.2
Cisco	Switch Nexus 6004	6.0(2)N1(2a), 7.0(2)N1(1)

Updated / Enhanced Device Support

- Module Serial number parsing issue with CiscoIOS_XR driver has been resolved.[130460]
- New pattern has been added to mask policy hmac encrypted-key in Bluecoat driver.[129515]
- Snapshot failing issue for device HP1910 switch is now fixed.[129517]
- BlueCoatProxyAV.rdp driver has been modified to show serial number and memory on the device home page.[129340]
- Snapshot issue with Juniper_SA_2500 has been resolved.[129592]
- Brocade SAN Devices Snapshot issue is now fixed.[130059]
- BrocadeFS driver has been updated to detect all the assigned IP Addresses.[130646]
- Diagnostic issues with Cisco driver has been resolved.[130644]
- VLANs issue with CiscoIOS_JS driver has been fixed.[129513]
- CiscoIOS_XR driver now retrieves configuration using CLI+SFTP successfully.[129396]

- Discovery issue with Cyclade devices has been resolved.[129893]
- Cisco WLANC driver has been updated to catch the interactive question in command script.[130303]
- Cisco IOS 15.x driver has been updated to catch a software upgrade scenario where copying of image has failed due to network issues.[129985]
- Juniper driver now works fine over SCP with NA Satellite.[130106]
- A10 driver has been updated to catch error messages during 'change context' command.[129993]
- F5_JS has been updated to detect FTP max login properly.[130377]
- AvayaCM driver has been enhanced to use "SAT" mode commands.[130690]
- EXT_HP_ProCurve driver has been updated to have correct trimming of last line.[130458]
- CheckPoint driver has been enhanced to fail the 'sudo' command.[130653]
- ASR-9001 devices are now identified correctly by the driver.[130556, 129511]
- Aruba driver has been modified to exit out of the device fully.[130509]
- Cisco NCS6008 device driver now parses system memory in snapshot.[129990]
- Cisco IOS-XR driver now allows changing modes in command script.[130555]
- VDX driver has been modified for a few bug fixes.[129890]
- Add limited access (exec mode) for proxy access.[130469]
- Driver Update for Alcatel 7210 to solve the snapshot issue.[130461]
- Fixed the driver discovery issue with Huawei AR1220 Router and S5700-52C-PWR-EI[129453]
- Cisco Catalyst 6500 is now supported by IOS 15x driver.[129451]
- F5 Driver now supports update device software feature/task.[130077]
- TippingPoint SMS driver has been enhanced to use the 'get ntp' command.[130456]
- CheckPointJS driver now fetches radius information in the config using "radius servers show" and "radius groups show" .[130457]
- Support "Install mode" for Cisco IOS software update.[129697]
- Arista driver discovery issue is now resolved.[129924]
- Fortigate driver now collects VDOM configurations.[129825]
- BigSwitch driver now supports 2.x.[129643]
- Ciscos_IOS_JS_Router has been enhanced to include sysoid of C897VAW-A-K9.[130035]
- Cisco driver issue with VLAN not being reported properly is fixed.[130400]
- Cisco ASR driver has been enhanced to support bulk deployment using SFTP & FTP.[129622]
- Allow IOS-XR driver to login through exec mode.[129596]
- Telnet support has been added to AvayaG driver.[130036]
- Junos driver now supports FTP.[130464]
- UCS driver now collects show chassis inventory information.[130283]

Release Notes

1. With March '13 IDU the files

DSD_SYSOID_Mapping_Index.html
DSD_Feature_Index.html

have been renamed to

_DSD_SYSOID_Mapping_Index.html
_DSD_Feature_Index.html

Both sets of files are .

2. Starting with November '12 IDU, the Supported Devices List conforms to the HP

Networking site with respect to device-naming conventions for all the HP devices. The devices are sorted based on the model number.

3. It is recommended that you have a current backup of your database and system before performing any modifications or upgrades.
4. It is recommended to schedule a checkpoint snapshot after the driver pack update.
5. CLI Driver Discovery and the CLI Snapshot features are not supported with the Open Gear Driver.
6. Configuration Deploy feature is not work supported Avaya 1004, 3120 & 4134 devices. For Avaya 3120 SNMP Driver Discovery and Device Boot Diagnostic are not supported.
7. The VMware Distributed vSwitch driver depends on a newer Java library that is present in HPNA version 9.0RC3 and CWNCM version 1.6.3. Other versions must have the latest vim25.jar file (available from VMware) copied to <system install directory>\server\ext\jboss\server\default\lib for this driver to be functional.
8. "The driver support for Nexus 5k/1k [Nexus5000.rdp] and Nexus 7k [CiscoNexus.rdp] devices were consolidated into a single driver package - CiscoNexus.rdp. The Nexus5000.rdp file resident in [NA]/server/lib/drivers should be manually removed, and all affected devices rediscovered; NA will assign the consolidated driver upon correct discovery."
9. The driver support for Blade Network Technologies Rack Switch G8000 [EXT_BNT_RackSwitch_G8000.rdp], Rack Switch G8124 [EXT_BNT_RackSwitch_G8124.rdp] were consolidated into a single driver package - EXT_BNT_RackSwitch.rdp. The files(EXT_BNT_RackSwitch_G8000.rdp & EXT_BNT_RackSwitch_G8124.rdp) resident in [NA]/server/lib/drivers should be manually removed, and all affected devices rediscovered; NA will assign the consolidated driver upon correct discovery."
10. Cisco firewalls, Firewall Services Module (FWSM) Series, Standalone or Administration Context devices: First discovery task fails after adding the device [QCCR1D107484]
11. The initial discovery task for some Cisco FWSM Admin and Standalone Context devices may fail. However, the second discovery task will succeed.
Work-around: Either re-run the task or assign the driver to the device.
12. The Device Driver Reference (Configuration_Guide.pdf) is obsolete and has been deprecated. The information it contained is included in the User's Guide and the Upgrade and Installation Guide. [QCCR1D117187]

Consult the *User's Guide* and the *Upgrade and Installation Guide* for product information. To check for recent updates, or to verify that you are using the most recent edition of a document, go to: <http://h20230.www2.hp.com/selfsolve/manuals>

Notes: Starting with November'12 Driver pack, the Supported Devices List conforms to the Cisco Networking site with respect to device-naming conventions for (ProCurve) devices.

- For March'13 IDU, the files **DSD_SYSOID_Mapping_Index.html** and **DSD_Feature_Index.html** have been re-named as **_DSD_SYSOID_Mapping_Index.html** and **_DSD_Feature_Index.html**. Both these sets of files will be retained for the March release and starting from May'13, the original set of files will be removed.
- It is recommended that you have a current backup of your database and system before performing any modifications or upgrades.
- It is recommended to schedule a checkpoint snapshot after the driver pack update.
- Consult the User's Guide and the Upgrade and Installation Guide for product information. To check for recent updates, or to verify that you are using the most recent edition of a document, go to:

<http://www.cisco.com/c/en/us/support/cloud-systems-management/ciscoworks-network-compliance-manager/products-documentation-roadmaps-list.html>

10 Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, 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/en/US/docs/general/whatsnew/whatsnew.html>

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