



Readme for Campus Manager 5.1.3 on Solaris

This Readme is for Campus Manager 5.1.3 on Solaris. It contains:

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Description

Campus Manager 5.1.3 is a software update for Campus Manager 5.1. In addition to the devices supported, this package contains fixes to both existing and newly discovered problems.

You should print out and read this document before installing Campus Manager 5.1.3.

**Caution**

Campus Manager 5.1.3 has specific prerequisites. Before installing Campus Manager 5.1.3, see “[Hardware and Software Requirements](#)” section on page 3.

Related Documentation

[Table 1 on page 4](#) lists the devices supported in Campus Manager 5.1.3.

A list of all devices supported in Campus Manager 5.1 is provided in Supported Devices Tables for LMS 3.1 on Cisco.com.

To access this, go to:

http://www.cisco.com/en/US/products/sw/cscowork/ps563/products_device_support_tables_list.html

For a list of fixes to known problems, see “[Resolved Problems in Campus Manager 5.1.3](#)” section on page 11.

A list of all known and resolved problems in Campus Manager 5.1, including the patches containing fixes for known problems rolled into latest SP, is available in Release Notes on Cisco.com.

To access them, go to:

http://www.cisco.com/en/US/products/sw/cscowork/ps563/prod_release_notes_list.html

**Note**

We sometimes update the printed and electronic documentation after original publication. Therefore, we recommend that you also review other documentation for Campus Manager 5.1.3 on Cisco.com for any updates.

Hardware and Software Requirements

Campus Manager 5.1.3 requires that you have installed CiscoWorks Common Services 3.2 and Campus Manager 5.1.

For LMS 3.1 users, CiscoWorks Common Services 3.2 and Campus Manager 5.1 are available as a part of CiscoWorks LMS 3.1.

Hardware and software requirements are the same as those needed for CiscoWorks Common Services 3.2 and Campus Manager 5.1.

A detailed list of requirements and instructions to install CiscoWorks Common Services 3.2 and Campus Manager 5.1, is available on Cisco.com.

For more information, refer the following documents:

- Release Notes for Campus Manager 5.1
- Installing and Getting Started With CiscoWorks LAN Management Solution 3.1

To access the documents, go to:

http://www.cisco.com/en/US/products/sw/cscowork/ps563/prod_release_notes_list.html

CM 5.1.3 Upgrade Path

Use the table below to verify the upgrade path to Campus Manager 5.1.3:

If you have installed...	You must install...
CM 5.0	LMS 3.1+CM5.1.3
LMS 3.0 December 2007 Update or CM 5.0.2	LMS 3.1+CM5.1.3
LMS 3.1	CM 5.1.3

Patches Rolled into Campus Manager 5.1.3

There are no patches, containing fixes for the bugs, rolled into Campus Manager 5.1.3.

Supported Devices in Campus Manager 5.1.3

Table 1 lists the devices supported in Campus Manager 5.1.3.

For a list of all devices supported in Campus Manager 5.1, see the Supported Devices Table for LMS 3.1 on Cisco.com (see the [“Related Documentation” section on page 2](#)).

Table 1 Supported Devices in Campus Manager 5.1.3

Device Type	Devices/ Modules Supported	sys ObjectID	Topology	VLAN Mgmt	LANE Mgmt	ATM Mgmt	User Tracking	Minimum Software
Cisco MWR 2900 Series Mobile Wireless Routers	Cisco MWR 2941-DC Mobile Wireless Router(MWR-2941-DC)	1.3.6.1.4.1.9.1.1014	Yes	NA	NA	NA	NA	124-19.MR2
Data Center Switches	Cisco Nexus 5010 Switch(N5K-C5010P-BF)	1.3.6.1.4.1.9.12.3.1.3.798	Yes	No	NA	NA	No	4.0(1a)N1 (1)
Data Center Switches	Cisco Nexus 7000 18-Slot Switch(N7K-C7018)	1.3.6.1.4.1.9.12.3.1.3.777	Yes	No	NA	NA	No	---
Cisco Wide Area Application Engine (WAE) Appliances	Cisco WAE-674 Wide Area Application Engine(WAE-674)	1.3.6.1.4.1.9.1.957	Yes	NA	NA	NA	NA	WAAS 4.1.1
Cisco Wide Area Application Engine (WAE) Appliances	Cisco WAE-7371 Wide Area Application Engine(WAE-7371)	1.3.6.1.4.1.9.1.908	Yes	NA	NA	NA	NA	WAAS 4.1.1
Cisco Wide Area Application Engine (WAE) Appliances	Cisco WAE-7341 Content Engine(WAE-7341)	1.3.6.1.4.1.9.1.907	Yes	NA	NA	NA	NA	WAAS 4.1.1

Table 1 **Supported Devices in Campus Manager 5.1.3 (continued)**

Device Type	Devices/ Modules Supported	sys ObjectID	Topology	VLAN Mgmt	LANE Mgmt	ATM Mgmt	User Tracking	Minimum Software
Network Analysis Modules	Cisco NAM 2204 Appliance(NAM220)	1.3.6.1.4.1.9.1.1033	Yes	NA	NA	NA	NA	4.0(1)
Network Analysis Modules	Cisco NAM 2204 Appliance(NAM2204)	1.3.6.1.4.1.9.1.1032	Yes	NA	NA	NA	NA	4.0(1)
Cisco Unified IP Phones 7900 Series	7906 IP Phone	NA	NA	NA	NA	NA	Yes	NA
Cisco Catalyst 2975 Series Switches	Cisco Catalyst 2975 Switch(WS-C 2975GS-48PS-L)	1.3.6.1.4.1.9.1.1067	Yes	Yes	NA	NA	Yes ¹	12.2(46)EX
Cisco Catalyst 2975 Series Switches	Cisco Catalyst 2975 Switch(WS-C 2975GS-48PS-L Stack)	1.3.6.1.4.1.9.1.1068	Yes	Yes	NA	NA	Yes ¹	12.2(46)EX
Cisco 800 Series Routers	Cisco 892 Integrated Services Router(CISCO892-K9,CISCO892J-K9,CISCO892W-AGN-E-K9,CISCO892W-AGN-P-K9)	1.3.6.1.4.1.9.1.858	Yes	NA	NA	NA	NA	124-22.YB

Table 1 Supported Devices in Campus Manager 5.1.3 (continued)

Device Type	Devices/ Modules Sup- ported	sys ObjectID	Topol- ogy	VLAN Mgmt	LANE Mgmt	ATM Mgmt	User Tracking	Minimum Software
Cisco 800 Series Routers	Cisco 891 In- tegrated Services Rout- er(CISCO891 -K9,CISCO89 1W-AGN-A- K9,CISCO89 1W-AGN-C-K 9,CISCO891 W-AGN-N-K 9)	1.3.6.1.4.1.9.1.857	Yes	NA	NA	NA	NA	124-22.YB
Cisco 3800 Series In- tegrated Services Routers	CISCO 3845 NOVPN Inte- grated Services Rout- er(3845-NOV PN)	1.3.6.1.4.1.9.1.1102	Yes	NA	NA	NA	NA	124-22.YB1
Cisco 3800 Series In- tegrated Services Routers	CISCO 3825 NOVPN Inte- grated Services Rout- er(3825-NOV PN)	1.3.6.1.4.1.9.1.1103	Yes	NA	NA	NA	NA	124-22.YB1
Cisco ME 3400 Series Ethernet Access Switches	CISCO ME-3400EG- 2CS-A	1.3.6.1.4.1.9.1.1007	Yes	Yes	NA	NA	Yes	12.2(44)EY
Cisco ME 3400 Series Ethernet Access Switches	CISCO ME-3400EG- 12CS	1.3.6.1.4.1.9.1.1008	Yes	Yes	NA	NA	Yes	12.2(44)EY
Cisco ME 3400 Series Ethernet Access Switches	CISCO ME-3400E-24 TS	1.3.6.1.4.1.9.1.1009	Yes	Yes	NA	NA	Yes	12.2(44)EY

Table 1 **Supported Devices in Campus Manager 5.1.3 (continued)**

Device Type	Devices/ Modules Supported	sys ObjectID	Topology	VLAN Mgmt	LANE Mgmt	ATM Mgmt	User Tracking	Minimum Software
Cisco Catalyst 2350 Series Switches	Cisco Catalyst 2350-48TD-S Switch	1.3.6.1.4.1.9.1.1104	Yes	Yes	NA	NA	Yes ¹	12.2.46-EY
Cisco Catalyst 2960 Series Switches	Cisco Catalyst 2960-8TC-S Compact Switch	1.3.6.1.4.1.9.1.1006	Yes	Yes	NA	NA	Yes	12.2.46-SE
Cisco Catalyst 2960 Series Switches	Cisco Catalyst 2960-48TT-S Switch	1.3.6.1.4.1.9.1.1005	Yes	Yes	NA	NA	Yes	12.2.46-SE

1. IP Phones are supported.

Downloading Campus Manager 5.1.3

You can download the Campus Manager 5.1.3 installer file, cwcm5_1_3_sol.zip, by either:

- [Downloading From Cisco.com](#)

Or

- [Downloading From Software Center](#)

Downloading From Cisco.com

You can download the updates:

- From the Software Downloads page

From the Cisco.com home page, Select **Products & Solutions > Network Management > All Network Management Products > CiscoWorks Campus Manager > Download Software** to access the Software Downloads page.

Or

- From <http://www.cisco.com/cgi-bin/tablebuild.pl/cw2000-campus>

To download the file from Cisco.com:

Step 1 Locate the package file cwcm5_1_3_sol.zip.

Step 2 Right-click the package file.

Depending on your browser, select either **Save Link As...** or **Save Target As...** to download the file to a temporary working area of your server.

Downloading From Software Center

To download the file from Software Center:

Step 1 Go to the CiscoWorks homepage and select **Common Services > Software Center > Software Update**. The Software Updates page appears.

Step 2 Check the Campus Manager check box in the Products Installed table, and click **Select Updates**.

The CCO and Proxy Server Credentials page appears.

You are prompted to enter your Cisco.com User Name and Password. If you have configured proxy settings, you are prompted to enter the Proxy Server User credentials.

You can configure your Proxy Server User credentials from the Proxy Server Setup page.

To access the Proxy Server Setup page, go to the CiscoWorks Homepage and select **Common Services > Server > Security > Cisco.com Connection Management > Proxy Server Setup**.

The Proxy Server Setup page appears. Enter the required information in the page to configure your Proxy Server settings.

Step 3 Enter the required credentials, and click **Next**.

- The Available Images page appears with packages for Solaris (cwcm5_1_3_sol.zip).
- Step 4** Select cwcm5_1_3_sol.zip and click **Next**.
The Destination Location page appears.
- Step 5** Enter the location or browse to the location using the Browse button.
- Step 6** Click **Next**.
The Summary page appears. The Summary window displays a summary of your inputs.
- Step 7** Click **Finish** to confirm the download operations.
The package file is downloaded to the directory that you selected, in the folder cm.
-

Installing Campus Manager 5.1.3

Before you install Campus Manager 5.1.3, make sure your installation environment meets the requirements described in [“Hardware and Software Requirements”](#) section on page 3.

To install Campus Manager 5.1.3:

- Step 1** Log in as root on the system
- Step 2** Go to the directory where cwcm5_1_3_sol.zip has been downloaded.
- Step 3** Unzip the file to your temporary working area by entering:

```
# unzip cwcm5_1_3_sol.zip -d/your_temporary_directory
```

The files are extracted in *your_temporary_directory*.
- Step 4** Go to *your_temporary_directory* and run the installation setup script by entering:

```
# ./setup.sh
```

A prompt appears:
Press Enter to read/browse the following license agreement:
- Step 5** Press **Enter** to read the license agreement.
The following message appears at the end of the license agreement:
You must accept this License agreement to proceed with the installation. If you enter N/n, the installation will exit.
Do you accept all the terms of the preceding License agreement?
(y/n) [n]
- Step 6** You should enter either:
- **y** to accept the license agreement and proceed with the installation
- Or
- **n** to deny and quit the installation.
- If you have not installed Common Services 3.2, this message appears:
Install Common Services 3.2 before installing Campus Manager 5.1.3.
The installation terminates.
Common Services 3.2 is available as a part of CiscoWorks LMS 3.1.
If you have not installed Campus Manager 5.1, this message appears:

Install Campus Manager 5.1 before installing Campus Manager 5.1.3.

The installation terminates.

Campus Manager 5.1 is available as a part of CiscoWorks LMS 3.1.

A detailed list of instructions to install CiscoWorks Common Services 3.2, and Campus Manager 5.1 (a part of CiscoWorks LAN Management Solution 3.1) is available on Cisco.com.

To access this, go to:

http://www.cisco.com/en/US/products/sw/cscowork/ps2425/prod_installation_guides_list.html

After installing Common Services 3.2 and Campus Manager 5.1, resume from [Step 4](#).

The installation program checks whether dependencies and system requirements are met:

- If there is not enough disk space to install Campus Manager 5.1.1, the installation program displays an error message and stops.
- If the minimum requirements are not met, the installation program displays a warning message and the following prompt appears:

Do you want to continue the installation? (y/n) [y]:

If you enter **y**, installation continues.

If you enter **n**, installation aborts.

Step 7 Select whether you want to restart CiscoWorks daemon after installation, when this prompt appears:

Do you want to restart CiscoWorks Daemons at the end of this installation?(y/n) [n]:

If you select **y**, CiscoWorks daemons are restarted after Campus Manager installation is complete.

After you enter **y** or **n**, the following prompt appears:

Exiting installation beyond this point might result in system instability Do you want to continue the installation? (y/n) [y]

If you enter **n**, installation aborts.

Step 8 Enter **y** to complete and quit the installation.

To ensure that the installation is successful, go to **Common Services > Software Center > Software Update**. Click **Campus Manager** and ensure that the Patches Installed table displays Campus Manager 5.1.3.

Reinstalling Campus Manager 5.1.3

To reinstall Campus Manager 5.1.3, follow the instructions in the [“Installing Campus Manager 5.1.3” section on page 9](#).

Device Packages

Cisco's routers and switches are referred to as network devices. Routers and switches must be physically installed in the appropriate chassis and connected to your network (using each specific device's hardware installation guide). A software update that enables Campus Manager to support new features for a particular device is called a device package.

Device Package Updates

Campus Manager provides support for a considerable range of devices by installing device packages. Additional device packages can be added to Campus Manager anytime after the initial product release or installation. When new device packages become available, they are placed on Cisco.com.

Check, <http://www.cisco.com/cgi-bin/tablebuild.pl/cw2000-campus> to ensure that you have the latest device release. You can add or update device packages using Software Center. Software Center is a component of Common Services.

For more information on using Software Center, see *User Guide for Common Services 3.x*.

Known Problems in Campus Manager 5.1.3

Known problems are unexpected behaviors or defects in Campus Manager software releases.

To obtain more information about known problems, access the Cisco Software Bug Toolkit at <http://www.cisco.com/cgi-bin/Support/Bugtool/home.pl>. (You will be prompted to log into Cisco.com.)

For a list of known problems in Campus Manager 5.1, see Release Notes for CiscoWorks Campus Manager 5.1 available on Cisco.com (see “[Related Documentation](#)” section on page 2).

Table 2 Known Problems in Campus Manager 5.1.3

Bug ID	Summary
CSCsu84974	Vlans with Port names that contains an invalid UTF-8 character breaks the UT acquisition function of Campus Manager and reports 0 end hosts.

Resolved Problems in Campus Manager 5.1.3

Table 3 lists the resolved problems in Campus Manager 5.1.3.

Table 3 Resolved Problems in Campus Manager 5.1.3

Bug ID	Summary
CSCsq69772	Campus Manager Port Attribute report via email fails. The report needs user to login with network administrator rights. The report is read only and should only require a network operator or help desk role and not a system administrator.
CSCsr18078	UT Acquisition Settings does not explain why an email address is wrong. The apply button is no longer working.
CSCsu50527	IP phones existing in the network may be detected but not categorized as IP phones.

Table 3 Resolved Problems in Campus Manager 5.1.3

Bug ID	Summary
CSCsu50528	The option to delete end hosts table after every major acquisition does not work, although the delete interval settings may be configured. This is seen when subnet-based acquisition settings are also configured. The user will have to click delete now in order to clear the older entries.
CSCsu63575	Devices connected by a bus topology would show up in the unconnected view. Unconnected devices, reachable devices with CDP neighbors, show up in unconnected state.
CSCsv54699	UT-import feature is not importing the provided CSV data
CSCsv57850	Campus Manager's DBEncrypt.dll still links to libeay32.dll instead of cwlibeay32.dll. The impact of this is that the various dbmonitor processes (e.g. CmfdBmMonitor, UPMDbMonitor) may fail to initialize.
CSCsw82807	The switch port reports when run from UT-CLI do not export any data. However, when the reports are run from the GUI, they work as expected.
CSCsw63144	When topology is launched using server name, if the name is DNS resolvable then, topology will fail and an error will pop up. In this case by adding an entry to <i>/etc/hosts</i> file for name to IP address topology can be still be launched.
CSCsu04392	When a user gets connected to different ports of the network across multiple runs of UT, UT creates new records for the same user. When UTLite events are sent, due to the different DBID in currently active record, username is not getting updated.
CSCsw63454	After a minor acquisition runs, the Hostname and Subnet fields in User Tracking may be empty even though there was data prior to the minor acquisition. Additionally, after a subsequent major acquisition is run, the fields are populated again.
CSCsw87092	If duplicate IP addresses are available in network then <i>UTXPing</i> is taking longer time for fetching the IP address from the host.
CSCsw96402	User Tracking may show old IP addresses when there is a change in the host IP address.
CSCsu95243	Cluster devices are missing in topology view with duplication of groups.

Frequently Asked Questions

- [Q.How will I know which version of Campus Manager I have installed?](#)
- [Q.I do not want support for all the devices that you have supported in Campus Manager 5.1.3. Can I select only the devices I want?](#)
- [Q.Where can I find device support for CiscoView, Device Fault Manager, or Resource Manager Essentials?](#)
- [Q.Where can I find information on the supported devices for Campus Manager 5.1.3?](#)

Q. How will I know which version of Campus Manager I have installed?

A. To check the version of Campus Manager installed on your system, from the CiscoWorks desktop, select **Common Services > Software Center > Software Update > Campus Manager**.

The Patches Installed table displays the installed version of the applications.

If Patches Installed Table Displays	Campus Manager Version Installed is...
Campus Manager - 5.1.3	5.1.3

- Q.** I do not want support for all the devices that you have supported in Campus Manager 5.1.3. Can I select only the devices I want?
- A.** No. The present installation framework does not support this feature. Even if you do not have all the supported devices, installing Campus Manager 5.1.3 will not adversely affect your network.
- Q.** Where can I find device support for CiscoView, Device Fault Manager, or Resource Manager Essentials?
- A.** The device support packages are available at the following locations:

Application	Location is...
CiscoView	http://www.cisco.com/cgi-bin/Software/CiscoView/cvplanner.cgi
Device Fault Manager	http://www.cisco.com/cgi-bin/tablebuild.pl/cw2000-dfm
Resource Manager Essentials	http://www.cisco.com/cgi-bin/tablebuild.pl/cw2000-rme

- Q.** Where can I find information on the supported devices for Campus Manager 5.1.3?
- A.** You can find the latest information on supported devices for Campus Manager 5.1.3, see Supported Devices Tables for LMS 3.1 on Cisco.com.

To access this, either:

- Go to the Cisco.com home page and select **Products & Solutions > Network Management > All Network Management Products > CiscoWorks Campus Manager**.
- From the Technical Documentation & Tools section, select **General Information > Compatibilty Information > Supported Devices Table for LMS 3.1**

Or

- Go to
- http://www.cisco.com/en/US/products/sw/cscowork/ps2425/products_device_support_tables_list.html



Note

The Supported Devices Table for LMS 3.1 contains the information on device support for Campus Manager 5.1.3.

