



# Wireless Solutions Software Compatibility Matrix

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This document describes the software compatibility matrix for the Cisco wireless devices used in a Cisco Centralized and Distributed WLAN Solution.

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## Conventions

See [Cisco Technical Tips Conventions](#) for information about document conventions.

## Software Release Compatibility Matrix

[Table 1](#) lists the Wireless Software compatibility matrix.



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**Table 1** *Wireless Software Compatibility Matrix*

<b>IOS Release</b>	<b>WLC</b>	<b>WCS</b>	<b>Navigator</b>	<b>Location</b>	<b>MSE</b>
12.4(23c)JA	7.0.98.0	7.0.164.3	1.6.164.3	NA	7.0.105.0
12.4(23c)JA	7.0.98.0	7.0.164.0	1.6.164.0	NA	7.0.105.0
12.4(21a)JHB	6.0.199.0	6.0.196.0	1.5.196.0	6.0.102.0	6.0.105.0
12.4(21a)JHB1	6.0.199.4	6.0.196.0	1.5.196.0	6.0.102.0	6.0.105.0
12.4(21a)JHA	6.0.196.0	6.0.181.0	1.5.181.0	6.0.101.0	6.0.103.0
12.4(21a)JA2	6.0.188.0	6.0.170.0	1.5.170.0	6.0.97.0	6.0.97.0
12.4(21a)JA	6.0.182.0	6.0.132.0	1.5.132.0	6.0.75.0	6.0.75.0
12.4(18a)JA2	5.2.193.0	5.2.148.0	1.4.148.0	5.2.100.0	5.2.100.0
12.4(18a)JA1	5.2.178.0	5.2.130.0	1.4.130.0	NA	NA
12.4(18a)JA	5.2.157.0	5.2.110.0	1.4.110.0	5.2.91.0	5.2.91.0
12.4(16b)JA1	5.1.163.0	5.1.65.4	1.3.65.4	5.1.35.0	5.1.35.0
12.4(16b)JA	5.1.151.0	5.1.64.0	1.3.64.0	5.1.30.0	5.1.30.0
12.4(13d)JA1	5.0.148.2	5.0.72.0	1.2.72.0	4.0.38.0	NA
12.4(13d)JA	5.0.148.0	5.0.55.0	1.2.56.0	4.0.32.0	NA
12.4(10b)JA	4.2.61.0	4.2.62.0	1.1.62.0	3.1.35.0	NA
12.4(10b)JA1	4.2.99.0	4.2.61.11	1.1.61.11	NA	NA
12.4(10b)JA2	4.2.112.0	4.2.81.0	1.1.81.0	3.1.36.0	NA
12.4(10b)JA4	4.2.130.0 (MD)	NA	NA	NA	NA
12.4(10b)JDA	4.2.173.0 (MD)	NA	NA	NA	NA
12.4(10b)JDE	4.2.209.0	4.2.209.0	NA	NA	NA
12.4(10b)JDD	4.2.207.0 (MD)	NA	NA	NA	NA
12.4(10b)JDC	4.2.205.0 (MD)	4.2.128.0	1.1.128.0	3.1.43.0	NA
12.4(10b)JDA1	4.2.176.51	4.2.176.51M	NA	NA	NA
12.4(10b)JDD	4.2.207.54M	4.2.207.54M	NA	NA	NA
12.4(3g)JMC	4.1.192.17M	NA	NA	NA	NA
12.4(3g)JMB	4.1.191.24M	NA	NA	NA	NA
12.4(3g)JA	4.1.171.0	4.1.83.0	4.1.83.0	3.0.37.0	NA
12.4(3g)JA1	4.1.181.0	4.1.91.0	4.1.91.0	3.0.42.0	NA
12.4(3g)JA2	4.1.185.0	NA	NA	NA	NA
12.4(3g)JMA	4.0.217.204	NA	NA	NA	NA
12.3(11)JA	4.0.179.8	4.0.81.0	NA	NA	NA
NA	4.0.179.11	NA	NA	NA	NA
12.3(11)JA1	4.0.206.0	4.0.96.0	NA	NA	NA
12.3(11)JA3	4.0.217.0	4.0.97.0	NA	NA	NA
12.3(11)JX	4.0.155.0	4.0.66.0	NA	NA	NA

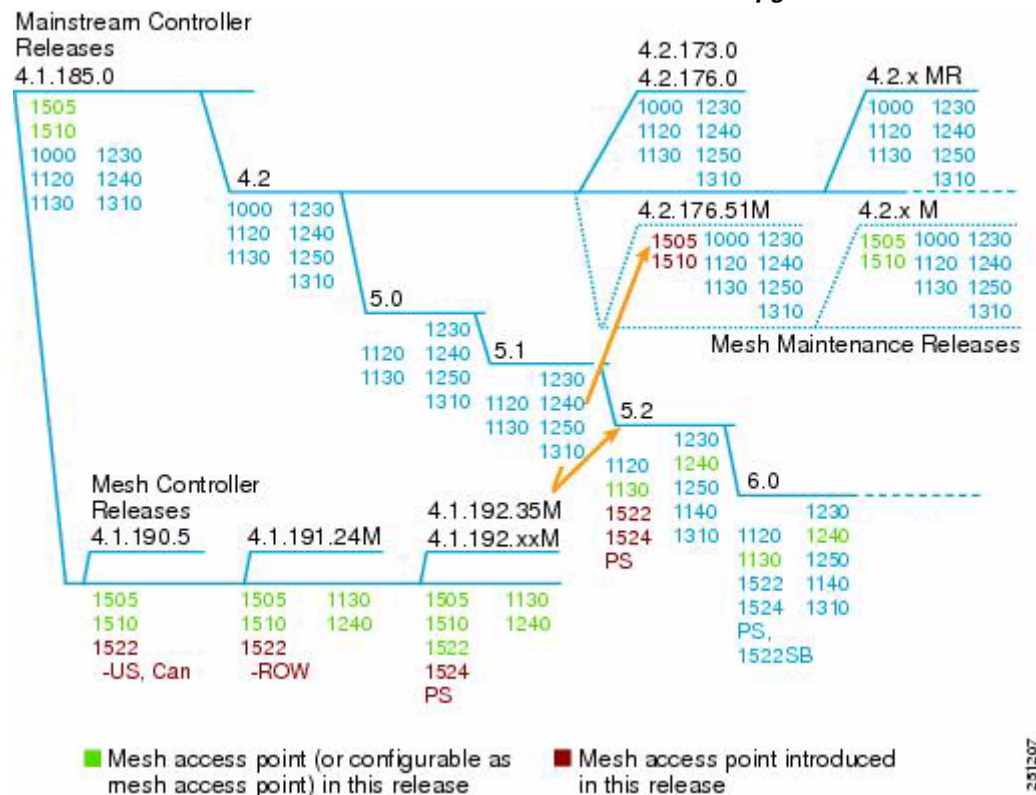
**Table 1** Wireless Software Compatibility Matrix (continued)

IOS Release	WLC	WCS	Navigator	Location	MSE
12.3(7)JX2	3.2.78.0	NA	NA	NA	NA
12.3(7)JX3	3.2.116.21	NA	NA	NA	NA
12.3(7)JX5	3.2.150.6	NA	NA	NA	NA
12.3(7)JX6	3.2.171.6	NA	NA	NA	NA
12.3(7)JX7	3.2.193.5	NA	NA	NA </td <td>NA</td>	NA
12.3(7)JX8	3.2.195.10	NA	NA	NA	NA
12.3(7)JX10	3.2.202.0	NA	NA	NA	NA
12.3(7)JX11	3.2.210.0	NA	NA	NA	NA

# Mesh and Mainstream Controller Software Releases

Figure 1 shows the Mesh and mainstream Controller Software releases, and the upgrade path.

**Figure 1** Mesh and Mainstream Controller Software Releases and Upgrade Path



**Note**

See the relevant release notes before you perform any software upgrade. The release notes are available at [http://www.cisco.com/en/US/products/ps6366/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps6366/prod_release_notes_list.html).

## Special Rules for Upgrading to Controller Software Release 7.0.98.0

Before upgrading your controller to software release 7.0.98.0, you must comply with the following rules:

- Before you download a software image or an ER.aes file to a 2100 series controller or a controller network module, use the **show memory statistics** CLI command to see the current amount of free memory. If the controller has less than 90 MB of free memory, you need to reboot it before downloading the file.
- Before you use an AP801 series lightweight access point with controller software release 7.0.98.0, you must upgrade the software in the Cisco 860 and 880 Series Integrated Services Routers (ISRs) to Cisco IOS 12.4(22)T and the software in the Cisco 890 Series Integrated Services Router to Cisco IOS 12.4(22)YB.
- Make sure you have a TFTP or FTP server available for the software upgrade. Keep these guidelines in mind when setting up a TFTP or FTP server:
  - Controller software release 7.0.98.0 is larger than 32 MB; therefore, you must make sure that your TFTP server supports files that are larger than 32 MB. Some TFTP servers that support files of this size are tftpd and the TFTP server within the WCS. If you attempt to download the 7.0.98.0 controller software and your TFTP server does not support files of this size, the following error message appears: “TFTP failure while storing in flash.”
  - If you are upgrading through the service port, the TFTP or FTP server must be on the same subnet as the service port because the service port is not routable, or you must create static routes on the controller.
  - If you are upgrading through the distribution system network port, the TFTP or FTP server can be on the same or a different subnet because the distribution system port is routable.
  - A third-party TFTP or FTP server cannot run on the same computer as WCS because the WCS built-in TFTP or FTP server and the third-party TFTP or FTP server require the same communication port.
- You can upgrade or downgrade the controller software only between certain releases. In some instances, you must first install an intermediate release prior to upgrading to software release 7.0.98.0. [Table 2](#) shows the upgrade path that you must follow before downloading software release 7.0.98.0.

**Table 2 Upgrade Path to Controller Software Release 7.0.98.0**

Current Software Release	Upgrade Path to 7.0.98.0 Software
6.0.196.0 or later 6.0 release	You can upgrade directly to 7.0.98.0.
6.0.188.0 or later 6.0 release	You can upgrade directly to 7.0.98.0.
5.2.157.0 or later 5.2 release	You can upgrade directly to 7.0.98.0.
5.1.151.0 or later 5.1 release	Upgrade to a 5.2 or a 6.0 release and then upgrade to 7.0.98.0.
5.0.148.0 or later 5.0 release	You can upgrade directly to 7.0.98.0.
4.2.209.0 or later 4.2 release	You can upgrade directly to 7.0.98.0.
4.2.173.0 or later 4.2 release	You can upgrade directly to 7.0.98.0.
4.2.130.0 or earlier 4.2 release	Upgrade to 4.2.176.0 before upgrading to 7.0.98.0.
4.1.192.xM	You can upgrade directly to 7.0.98.0.
4.1.191.xM	Upgrade to 4.1.192.35M and then to 6.0.182.0 before upgrading to 7.0.98.0.

**Table 2** Upgrade Path to Controller Software Release 7.0.98.0 (continued)

Current Software Release	Upgrade Path to 7.0.98.0 Software
4.1.171.0 or later 4.1 release	Upgrade to 4.2.176.0 before upgrading to 7.0.98.0.
4.0.155.5 or later 4.0 release	Upgrade to 4.2.176.0 before upgrading to 7.0.98.0.
3.2.78.0 or later 3.2 release	Upgrade to a 4.1 release and then upgrade to 4.2.176.0 before upgrading to 7.0.98.0.



**Note** When you upgrade the controller to an intermediate software release, wait until all of the access points joined to the controller are upgraded to the intermediate release before you install the 7.0.98.0 software. In large networks, it can take some time to download the software on each access point.

- We recommend that you install the Cisco Unified Wireless Network Controller Boot Software 5.2.157.0 ER.aes file on all controller platforms. This file resolves CSCsm03461 and is necessary in order for you to view the version information for ER.aes files in the output of the **show sysinfo** CLI command. If you do not install this ER.aes file, your controller does not obtain the fix for this defect, and “N/A” appears in the Emergency Image Version field in the output of this command.



**Note** You cannot install the Cisco Unified Wireless Network Controller Boot Software 5.2.157.0 ER.aes file on Cisco 5500 Series Controller platform.



**Note** The ER .aes files are independent from the controller software files. You can run any controller software file with any ER.aes file. However, installing the latest boot software file (5.2.157.0 ER.aes) ensures that the boot software modifications in all of the previous and current boot software ER.aes files are installed.

**Caution**

If you require a downgrade from one release to another, you may lose the configuration from your current release. The workaround is to reload the previous controller configuration files saved on the backup server or to reconfigure the controller.

## Software Release Support for Access Points

Table 3 lists the controller software releases that support specific Cisco access points. The First Support column lists the earliest controller software release that supports the access point. For access points that are not supported in ongoing releases, the Last Support column lists the last release that supports the access point.

**Table 3 Software Support for Access Points**

Access Points		First Support	Last Support
1000 Series	AIR-AP1010	3.0.100.0	4.2.207.0
	AIR-AP1020	3.0.100.0	4.2.207.0
	AIR-AP1030	3.0.100.0	4.2.207.0
	Airespace AS1200	—	4.0.219.0
1100 Series	AIR-LAP1121	4.0.155.0	—
	AIR-LAP1131	3.1.59.24	—
	AIR-LAP1141N	5.2.157.0	—
	AIR-LAP1142N	5.2.157.0	—
1200 Series	AIR-AP1220A	3.1.59.24	—
	AIR-AP1220B	3.1.59.24	—
1230 Series	AIR-AP1230A	3.1.59.24	—
	AIR-AP1230B	3.1.59.24	—
	AIR-LAP1231G	3.1.59.24	—
	AIR-LAP1232AG	3.1.59.24	—
1240 Series	AIR-LAP1242G	3.1.59.24	—
	AIR-LAP1242AG	3.1.59.24	—
1250 Series	AIR-LAP1250	4.2.61.0	—
	AIR-LAP1252G	4.2.61.0	—
	AIR-LAP1252AG	4.2.61.0	—
1300 Series	AIR-BR1310G	4.0.155.0	—
1400 Series	Standalone Only	N/A	—
3500 Series	AIR-CAP3501E	7.0.98.0	
	AIR-CAP3501I	7.0.98.0	
	AIR-CAP3502E	7.0.98.0	
	AIR-CAP3502I	7.0.98.0	
1500 Mesh Series	AIR-LAP-1505	3.1.59.24	4.2.207.54M
	AIR-LAP-1510	3.1.59.24	4.2.207.54M

**Table 3** Software Support for Access Points (continued)

Access Points		First Support	Last Support
1520 Mesh Series	AIR-LAP1522AG	-A and N: 4.1.190.1 or 5.2 or later <sup>1</sup>	—
		All other reg. domains: 4.1.191.24M or 5.2 or later <sup>1</sup>	—
	AIR-LAP1522HZ	-A and N: 4.1.190.1 or 5.2 or later <sup>1</sup>	—
		All other reg. domains: 4.1.191.24M or 5.2 or later <sup>1</sup>	—
	AIR-LAP1522PC	-A and N: 4.1.190.1 or 5.2 or later <sup>1</sup>	—
		All other reg. domains: 4.1.191.24M or 5.2 or later <sup>1</sup>	—
	AIR-LAP1523CM	7.0.98.0 or later.	
	AIR-LAP1524SB	-A, C and N: 6.0 or later	—
		All other reg. domains: 7.0.98.0 or later.	
	AIR-LAP1524PS	-A: 4.1.192.22M or 5.2 or later <sup>1</sup>	—

1. These access points are supported in the separate 4.1.19x.x mesh software release or with release 5.2 or later releases. These access points are not supported in the 4.2, 5.0, or 5.1 Releases.

## Interoperability With Other Clients

This section describes the interoperability of the version of controller software with other client devices.

Table 4 lists the versions of the clients. The traffic tests included data or voice. The clients included laptops, handheld devices, phones, and printers.

**Table 4 Client Type**

<b>Client Type and Name</b>	<b>Version</b>
<b>Laptop</b>	
Intel 3945/4965	11.5.1.15 or 12.4.4.5
Intel 5100/5300/6200/6300	13.1.1.1
Dell 1395/1397/Broadcom 4312HMG(L)	XP/Vista: 5.60.18.8 Win7: 5.30.21.0
Dell 1505/1510/Broadcom 4321MCAG/4322HM	5.60.18.8
Dell 1520/Broadcom 43224HMS	5.60.48.18
Atheros HB92/HB97	8.0.0.320
Atheros HB95	7.7.0.358
MacBook Pro (Broadcom)	5.10.91.26
<b>Handheld Devices</b>	
Falcon 4200/WinCE 4.2	5.60.21
Intermec CK31/WinCE 4.2:	3.00.19.0748
Intermec CN3/Windows Mobile 5.0	3.25.15.0065
Pision 7535/WinCE 5.0	1.02.09
Pision WAP/WinCE 5.0	1.02.42
Symbol 8846/Pocket PC 4.20	2.4.2273
Symbol MC70 /Windows Mobile 5.0	3.0.0.226
Symbol MC9060/Pocket PC 4.2	3.1.7
Symbol MC9090/WinCE 5.0	3.1.7
<b>Phones and Printers</b>	
Ascom i75	1.4.25
Nokia e61	3.0633.09.04
Spectralink 8030	104.025
Spectralink e340/PTE110	110.036/091.047/104.025
Spectralink i640/PTX110	110.036/091.047/104.025
Vocera B1000A	4.1.0.2817
Vocera B2000	4.0.0.269
Zebra QL320	HTNVK49s
Monarch 9855	3.2AB
Cisco 7921G	CP7921G-1.3.4.LOADS
Cisco 7925G	CP7925G-1.3.4.LOADS



# Wireless Control System Compatibility Matrix

Table 5 lists the Wireless Control System (WCS) compatibility matrix.

**Table 5**      **WCS Versions**

WCS Version	Supported Controller Versions	Supported Location Server Versions	Supported MSE Versions	Release Date	Upgrade Supported From	Operating System Requirement
7.0.164.3	7.0.98.0 6.0.196.0 6.0.188.0 6.0.182.0 6.0.108.0 5.2.193.0 5.2.178.0 5.2.157.0 4.2.209.0 4.2.207.0 4.2.205.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	6.0.101.0	7.0.105.0	7 June 2010	6.0.181.0 6.0.170.0 6.0.132.0 5.2.148.0 5.2.130.0 5.2.125.0 5.2.110.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/ RHEL on ESX 3.0.1 and above  No support for 64 bit
7.0.164.0	7.0.98.0 6.0.196.0 6.0.188.0 6.0.182.0 6.0.108.0 5.2.193.0 5.2.178.0 5.2.157.0 4.2.209.0 4.2.207.0 4.2.205.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	6.0.101.0	7.0.105.0	7 June 2010	6.0.181.0 6.0.170.0 6.0.132.0 5.2.148.0 5.2.130.0 5.2.125.0 5.2.110.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/ RHEL on ESX 3.0.1 and above  No support for 64 bit

**Table 5** WCS Versions (continued)

WCS Version	Supported Controller Versions	Supported Location Server Versions	Supported MSE Versions	Release Date	Upgrade Supported From	Operating System Requirement
6.0.196.0	6.0.199.4 6.0.199.0 (pulled from CCO) 6.0.196.0 6.0.188.0 6.0.182.0 6.0.108.0 5.2.193.0 5.2.178.0 5.2.157.0 5.1.163.0 5.1.151.0 4.2.209.0 4.2.207.0 4.2.205.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	6.0.102.0	6.0.105.0	15 July 2010	6.0.181.0 6.0.170.0 6.0.132.0 5.2.148.0 5.2.130.0 5.2.125.0 5.2.110.0 5.1.65.4 5.1.64.0 4.2.128.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit
6.0.181.0	6.0.199.4 6.0.199.0 6.0.196.159 6.0.196.0 6.0.188.0 6.0.182.0 6.0.108.0 5.2.193.0 5.2.178.0 5.2.157.0 5.1.163.0 5.1.151.0 4.2.207.0 4.2.205.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	6.0.101.0	6.0.103.0	17 Feb 2010	6.0.170.0 6.0.132.0 5.2.148.0 5.2.130.0 5.2.125.0 5.2.110.0 5.1.65.4 5.1.64.0 4.2.128.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit

Table 5 WCS Versions (continued)

WCS Version	Supported Controller Versions	Supported Location Server Versions	Supported MSE Versions	Release Date	Upgrade Supported From	Operating System Requirement
6.0.170.0	6.0.188.0 6.0.182.0 6.0.108.0 5.2.193.0 5.2.178.0 5.2.157.0 5.1.163.0 5.1.151.0 4.2.207.0 4.2.205.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	6.0.97.0	6.0.97.0	8 Nov 2009	6.0.132.0 5.2.148.0 5.2.130.0 5.2.125.0 5.2.110.0 5.1.65.4 5.1.64.0 4.2.128.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit
6.0.132.0	6.0.182.0 6.0.108.0 5.2.178.0 5.2.157.0 5.1.163.0 5.1.151.0 4.2.205.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	6.0.85.0	6.0.85.0	11 June 2009	5.2.130.0 5.2.125.0 5.2.110.0 5.1.65.4 5.1.64.0 4.2.128.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit
5.2.148.0	5.2.193.0 5.2.178.0 5.2.157.0 5.1.151.0 5.0.148.2 5.0.148.0 4.2.207.0 4.2.205.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	5.2.100.0	5.2.100.0	25 June 2009	5.2.130.0 5.2.125.0 5.2.110.0 5.1.65.4 5.1.64.0 5.0.72.0 5.0.56.2 5.0.56.0 4.2.128.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit

**Table 5 WCS Versions (continued)**

<b>WCS Version</b>	<b>Supported Controller Versions</b>	<b>Supported Location Server Versions</b>	<b>Supported MSE Versions</b>	<b>Release Date</b>	<b>Upgrade Supported From</b>	<b>Operating System Requirement</b>
5.2.130.0	5.2.178.0 5.2.157.0 5.1.151.0 5.0.148.2 5.0.148.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	5.2.91.0	5.2.91.0	21 Feb 2009	5.2.125.0 5.2.110.0 5.1.65.4 5.1.64.0 5.0.72.0 5.0.56.2 5.0.56.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/RHEL on ESX 3.0.1 and above No support for 64 bit
5.2.125.0 (pulled from CCO)	5.2.178.0 5.2.157.0 5.1.151.0 5.0.148.2 5.0.148.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	5.2.91.0	5.2.91.0	10 Feb 2009	5.2.110.0 5.1.65.4 5.1.64.0 5.0.72.0 5.0.56.2 5.0.56.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.x Windows/RHEL on ESX 3.0.1 and above No support for 64 bit
5.2.110.0	5.2.157.0 5.1.151.0 5.0.148.2 5.0.148.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	5.2.91.0	5.2.91.0	24 Nov 2008	5.1.64.0 5.0.72.0 5.0.56.2 5.0.56.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.1 RHEL 5.0 Windows/RHEL on ESX 3.0.1 and above No support for 64 bit
5.1.65.4	5.1.163.0 5.1.151.0 5.0.148.2 5.0.148.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	5.1.35.0	5.1.35.0	9 Jan 2009	5.1.64.0 5.0.72.0 5.0.56.2 5.0.56.0 4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.x RHEL 5.x Windows/RHEL on ESX 3.0.1 and above No support for 64 bit

Table 5 WCS Versions (continued)

WCS Version	Supported Controller Versions	Supported Location Server Versions	Supported MSE Versions	Release Date	Upgrade Supported From	Operating System Requirement
5.1.64.0	5.1.151.0 5.0.148.2 5.0.148.0 4.2.176.0 4.2.173.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0	5.1.30.0	5.1.30.0	21 July 2008	5.0.56.2 5.0.56.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0	Windows 2003 SP2 32-bit RHEL 5.1 RHEL 5.0 Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit
5.0.72.0	5.0.148.2 5.0.148.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0 4.1.185.0 4.1.171.0	4.0.38.0	Not Applicable	5 Aug 2008	5.0.56.2 5.0.56.0 4.2.62.11 4.2.62.0 4.1.91.0 4.1.83.0	Windows 2003 SP2 32-bit RHEL 5.1 RHEL 5.0 Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit
5.0.56.2	5.0.148.0 4.2.61.0 4.1.x.x	4.0.33.0	Not Applicable	14 Apr 2008	5.0.56.0 4.2.62.11 4.2.62.0 4.1.91.0 4.1.83.0	Windows 2003 SP2 32-bit RHEL 5.0 Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit
5.0.56.0	5.0.148.0 4.2.61.0 4.1.x.x	4.0.32.0	Not Applicable	16 Feb 2008	4.2.62.11 4.2.62.0 4.1.91.0 4.1.83.0	Windows 2003 SP2 32-bit RHEL 5.0 Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit

**Table 5 WCS Versions (continued)**

<b>WCS Version</b>	<b>Supported Controller Versions</b>	<b>Supported Location Server Versions</b>	<b>Supported MSE Versions</b>	<b>Release Date</b>	<b>Upgrade Supported From</b>	<b>Operating System Requirement</b>
4.2.128.0	4.2.209.0 4.2.207.0 4.2.205.0 4.2.176.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0 4.1.185.0 4.1.171.0 4.0.216.0 4.0.206.0 4.0.179.11 4.0.179.8 4.0.155.0	3.1.43.0	Not Applicable	13 May 2009	4.2.110.0 4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0 4.1.91.0 4.1.83.0 4.0.100.0 4.0.97.0 4.0.96.0 4.0.87.0 4.0.81.0 4.0.66.0	Windows 2003 SP2 32-bit RHEL 4.0 RHEL 5.0 (5.1 and later no supported) Windows/RHEL on ESX 3.0.1 and above No support for 64 bit
4.2.110.0	4.2.176.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0 4.1.185.0 4.1.171.0 4.0.216.0 4.0.206.0 4.0.179.11 4.0.179.8 4.0.155.0	3.1.42.0	Not Applicable	29 Sep 2008	4.2.97.0 4.2.81.0 4.2.62.11 4.2.62.0 4.1.91.0 4.1.83.0 4.0.100.0 4.0.97.0 4.0.96.0 4.0.87.0 4.0.81.0 4.0.66.0	Windows 2003 SP2 32-bit RHEL 4.0 RHEL 5.0 Windows/RHEL on ESX 3.0.1 and above No support for 64 bit
4.2.97.0	4.2.176.0 4.2.130.0 4.2.112.0 4.2.99.0 4.2.61.0 4.1.185.0 4.1.171.0 4.0.216.0 4.0.206.0 4.0.179.11 4.0.179.8 4.0.155.0	3.1.38.0	Not Applicable	3 Jun 2008	4.2.81.0 4.2.62.11 4.2.62.0 4.1.91.0 4.1.83.0 4.0.100.0 4.0.97.0 4.0.96.0 4.0.87.0 4.0.81.0 4.0.66.0	Windows 2003 SP2 32-bit RHEL 4.0 RHEL 5.0 Windows/RHEL on ESX 3.0.1 and above No support for 64 bit

**Table 5** *WCS Versions (continued)*

WCS Version	Supported Controller Versions	Supported Location Server Versions	Supported MSE Versions	Release Date	Upgrade Supported From	Operating System Requirement
4.2.81.0	4.2.99.0 4.2.61.0 4.1.185.0 4.1.171.0 4.0.216.0 4.0.206.0 4.0.179.11 4.0.179.8 4.0.155.0	3.1.36.0	Not Applicable	17 Mar 2008	4.2.62.11 4.2.62.0 4.1.91.0 4.1.83.0 4.0.100.0 4.0.97.0 4.0.96.0 4.0.87.0 4.0.81.0 4.0.66.0	Windows 2003 SP2 32-bit RHEL 4.0 RHEL 5.0 Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit
4.2.62.11	4.2.61.0 4.1.185.0 4.1.171.0 4.0.216.0 4.0.206.0 4.0.179.11 4.0.179.8 4.0.155.0	3.1.35.0	Not Applicable	25 Jan 2008	4.2.62.0 4.1.91.0 4.1.83.0 4.0.100.0 4.0.97.0 4.0.96.0 4.0.87.0 4.0.81.0 4.0.66.0	Windows 2003 SP2 32-bit RHEL 4.0 Update 5 Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit
4.2.62.0	4.2.61.0 4.1.185.0 4.1.171.0 4.0.216.0 4.0.206.0 4.0.179.11 4.0.179.8 4.0.155.0	3.1.35.0	Not Applicable	9 Nov 2007	4.1.91.0 4.1.83.0 4.0.100.0 4.0.97.0 4.0.96.0 4.0.87.0 4.0.81.0 4.0.66.0	Windows 2003 SP2 32-bit RHEL 4.0 Update 5 Windows/ RHEL on ESX 3.0.1 and above No support for 64 bit

## WCS and Navigator Compatibility

Cisco WCS and Cisco WCS Navigator must be from the same release in order to be compatible (see [Table 6](#)). Although the release numbers will not be the same, you must verify whether they were part of the same release.

For example, Cisco WCS Navigator 1.0 is compatible with Cisco WCS 4.1, and Cisco WCS Navigator 1.1.x is compatible with any Cisco WCS 4.2.x.

**Note**

When Cisco WCS Navigator is upgraded to a new version, the corresponding Cisco WCS must also be upgraded to the corresponding new version. For example, if Cisco WCS Navigator is upgraded to version 1.6, Cisco WCS must also be upgraded to the corresponding version 7.0.

**Table 6**                      **Compatibility Matrix**

Navigator Release Number	WCS Release Number
1.6.164.3	7.0.164.3 and later releases
1.6.164.0	7.0.164.0
1.5.181.0	6.0.132.0 and later releases
1.5.170.0	6.0.132.0 and later releases
1.5.132.0	6.0.132.0
1.4.148.0	5.2.148.0
1.4.130.0	5.2.130.0, 5.2.110.0
1.4.110.0	5.2.110.0
1.3.64.0	5.1.64.0
1.1.128.0	4.2.97.0, 4.2.81.0, 4.2.62.11, 4.2.62.0, 4.2.110.0, 4.2.128.0
1.1.110.0	4.2.97.0, 4.2.81.0, 4.2.62.11, 4.2.62.0, 4.2.110.0
1.1.97.0	4.2.97.0, 4.2.81.0, 4.2.62.11, 4.2.62.0
1.1.62.11	4.2.62.11, 4.2.62.0
1.1.62.0	4.2.62.0
1.0.91.0	4.1.91.0, 4.1.83.0
1.0.83.0	4.1.83.0

## Inter-Release Controller Mobility (IRCM)

[Table 7](#) lists the inter-release Controller Mobility (IRCM) compatibility matrix.

**Table 7**                      **Inter-Release Controller Mobility Compatibility Matrix**

CUWN Service	4.2.x.x	5.0.x.x	5.1.x.x	6.0.x.x	7.0.x.x
Layer 2 and Layer 3 Roaming	X	–	–	X	X
Guest Access/Termination	X	X	X	X	X
Rogue Detection	X	–	–	X	X
Fast Roaming (CCKM) in a mobility group	X	–	–	X	X
Location Services	X	–	–	X	X
Radio Resource Management (RRM)	X	–	–	X	X



**Table 7** *Inter-Release Controller Mobility Compatibility Matrix (continued)*

<b>CUWN Service</b>	<b>4.2.x.x</b>	<b>5.0.x.x</b>	<b>5.1.x.x</b>	<b>6.0.x.x</b>	<b>7.0.x.x</b>
Management Frame Protection (MFP)	X	–	–	X	X
AP Failover	X	–	–	X	X

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