



Cisco Service Control Application for Broadband Download Guide, Release 5.0.x

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1 Overview

The following instructions explain how to download the various components of the Service Control Solution from the Cisco software download center.

The Cisco Service Control Solution is composed out of several components that are available on the Cisco center for customer download. These components are:

- Cisco Service Control Application for Broadband (Cisco SCA BB)
- Cisco Service Control Operating System (SCOS)
- Cisco Service Control Collection Manager (SCMS CM)
- Cisco Service Control Subscriber Manager (SCMS SM)

Before downloading new software, refer to the “[Compatibility Matrix](#)” section on page 2 below and read the release notes of the various components. The “[Compatibility Matrix](#)” section on page 2 provides information regarding the compatibility between various Service Control components and versions. These guidelines must be adhered to when installing new software.

After you have downloaded the new software, see the Installation Guide located in the Cisco SCA BB package for a step-by-step description of how to install the solution.

2 Compatibility Matrix

The following tables provides the compatibility information for the various components of the Service Control Solution:

- [Table 2](#)—5.x release train
- [Table 2](#)—4.x release train
- [Table 3](#)—3.x release train
- [Table 4](#)—2.x release train

For each SCA BB revision, the list of compatible versions of the Cisco SCOS, Cisco SCMS CM, Cisco SCA Reporter and Cisco SCMS SM are listed.

We recommend using the latest revision available for each category unless otherwise noted.



Note The Cisco SCE8000-32xGBE is only supported in cascade topology.

Table 1 Release 5.x Release Train

Cisco SCA BB	Hardware Platforms	SCOS	Collection Manager	Subscriber Manager	SCA Reporter	Insight
Cisco SCA BB 5.0.0 In IPv4 and IPv6 deployment	SCE-10000 - 8 x 10 GBE	5.0.0	5.0.0 4.1.0 4.0.0	5.0.0 4.1.0 4.0.0	Effective from 4.1.0, SCA Reporter is not available.	5.0.0 4.1.0 4.0.0

Table 2 Release 4.x Release Train

Cisco SCA BB	Hardware Platforms	SCOS	Collection Manager	Subscriber Manager	SCA Reporter	Insight
Cisco SCA BB 4.2.0	SCE8000-4xTGBE	4.2.0	4.2.0	4.2.0	Effective from 4.2.0, SCA Reporter is not available.	4.2.0
	SCE8000-2xTGBE		4.1.0	4.1.0		4.1.0
	SCE8000-8xGBE		4.0.0	4.0.0		4.0.0
	SCE8000-8xGBE + 1xTGBE					
	SCE8000-16xGBE					
	SCE8000-16xGBE + 2xTGBE					
	SCE8000-32xGBE ¹					
	SCE8000-Dual DPI					
Cisco SCA BB 4.1.0 In IPv4 and IPv6 ² deployment	SCE-1010-2XGBE	4.1.0	4.1.0	4.1.0	Effective from 4.1.0, SCA Reporter is not available.	4.1.0
	SCE-2020-4XGBE		4.0.0	4.0.0		4.0.0
	SCE8000-4xTGBE		3.8.5	3.8.5		3.4.0
	SCE8000-2xTGBE					
	SCE8000-8xGBE					
	SCE8000-8xGBE + 1xTGBE					
	SCE8000-16xGBE					
	SCE8000-16xGBE + 2xTGBE					
Cisco SCA BB 4.0.0 In IPv4 and IPv6 ⁴ deployment	SCE-1010-2XGBE	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0
	SCE-2020-4XGBE		3.8.5	3.8.5		3.4.0
	SCE8000-4xTGBE					
	SCE8000-2xTGBE					
	SCE8000-8xGBE					
	SCE8000-8xGBE + 1xTGBE					
	SCE8000-16xGBE					
	SCE8000-16xGBE + 2xTGBE					
Cisco SCA BB 4.0.0 In IPv4 and IPv6 ⁴ deployment	SCE8000-32xGBE ⁵	4.0.0			4.0.0	
	SCE8000-Dual DPI					

1. Only supported in cascade topology.
2. Only SCE 8000 supports IPv6.
3. Only supported in cascade topology.
4. Only SCE 8000 supports IPv6.
5. Only supported in cascade topology.

Table 3 SCA BB 3.x Release Train

Cisco SCA BB	Hardware Platforms	SCOS	Collection Manager	Subscriber Manager	SCA Reporter	Insight
Cisco SCA BB 3.8.5	SCE-1010-2XGBE SCE-2020-4XGBE SCE-8000-4xTGBE SCE-8000-2xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE-8000-16xGBE SCE8000-16xGBE + 2xTGBE SCE-8000-32xGBE ¹ SCE-8000-Dual DPI	3.8.5	3.8.5	3.8.5	3.8.5	Insight V3.4
Cisco SCA BB 3.8.0	SCE-1010-2XGBE SCE-2020-4XGBE SCE-8000-4xTGBE SCE-8000-2xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE-8000-16xGBE SCE8000-16xGBE + 2xTGBE SCE-8000-32xGBE ² SCE-8000-Dual DPI	3.8.0	3.8.0 3.7.5	3.8.0 3.7.5	3.8.0	Insight V3.3 Insight V3.2
Cisco SCA BB 3.7.5	SCE-1010-2XGBE SCE-2020-4XGBE SCE-8000-4xTGBE SCE-8000-2xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE-8000-16xGBE SCE8000-16xGBE + 2xTGBE SCE-8000-32xGBE ³ SCE-8000-Dual DPI	3.7.5	3.7.5	3.7.1 3.7.2 3.7.5	3.7.5	Insight V3.2

Table 3 SCA BB 3.x Release Train (continued)

Cisco SCA BB	Hardware Platforms	SCOS	Collection Manager	Subscriber Manager	SCA Reporter	Insight
Cisco SCA BB 3.7.2	SCE-1010-2XGBE SCE-2020-4XGBE SCE-8000-4xTGBE SCE-8000-2xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE-8000-16xGBE SCE8000-16xGBE + 2xTGBE SCE-8000-32xGBE ⁴ SCE-8000-Dual DPI	3.7.2	3.7.0 3.7.1 3.7.2	3.7.0 3.7.1 3.7.2	3.7.2	Insight V3
Cisco SCA BB 3.7.1	SCE-1010-2XGBE SCE-2020-4XGBE SCE-8000-4xTGBE SCE-8000-2xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE-8000-16xGBE SCE8000-16xGBE + 2xTGBE SCE-8000-32xGBE ⁵ SCE-8000-Dual DPI	3.7.1	3.7.0 3.7.1	3.7.0 3.7.1	3.7.1	Insight V2 Insight V3
Cisco SCA BB 3.7.0	SCE-1010-2XGBE SCE-2020-4XGBE SCE-8000-4xTGBE SCE-8000-2xTGBE SCE-8000-16xGBE SCE-8000-32xGBE ⁶ SCE-8000-Dual DPI	3.7.0	3.6.0 3.6.5 3.7.0	3.6.0 3.6.5 3.7.0	3.7.0	Insight V1 Insight V2 Insight V3
Cisco SCA BB 3.6.5	SCE-1010-2XGBE SCE-2020-4XGBE SCE8000-4xTGBE SCE8000-2xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE8000-16xGBE SCE8000-16xGBE + 2xTGBE SCE8000-32xGBE ⁵ SCE8000-Dual DPI	3.6.5	3.5.5 3.6.0 3.6.5	3.5.5 3.6.0 3.6.5	3.6.5	Insight V1 Insight V2

Table 3 SCA BB 3.x Release Train (continued)

Cisco SCA BB	Hardware Platforms	SCOS	Collection Manager	Subscriber Manager	SCA Reporter	Insight
SCA BB 3.6.0 Build 454	SCE-1010-2XGBE SCE-2020-4XGBE SCE8000-4xTGBE SCE8000-2xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE8000-16xGBE SCE8000-16xGBE + 2xTGBE SCE8000-32xGBE ⁵ SCE8000-Dual DPI	3.6.1	3.5.5 3.6.0	3.5.5 3.6.0	3.6.0 Also packaged with SCA BB Console	—
SCA BB 3.6.0	SCE-1010-2XGBE SCE-2020-4XGBE SCE8000-4xTGBE SCE8000-2xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE8000-16xGBE SCE8000-16xGBE + 2xTGBE SCE8000-32xGBE ⁵ SCE8000-Dual DPI	3.6.0	3.5.5 3.6.0	3.5.5 3.6.0	3.6.0 Also packaged with SCA BB Console	—
SCA BB 3.5.5	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE8000-2xTGBE SCE8000-4xTGBE SCE8000-8xGBE SCE8000-8xGBE + 1xTGBE SCE8000-16xGBE SCE8000-16xGBE + 2xTGBE	3.5.5	3.5.5 3.5.0 3.1.6	3.5.5 3.5.0 3.1.6	3.5.5 Also packaged with SCA BB Console	—
SCA BB 3.5.0	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE8000-2xTGBE SCE8000-4xTGBE	3.5.0	3.5.5 3.5.0 3.1.6	3.5.5 3.5.0 3.1.6	3.5.0 Also packaged with SCA BB Console	—
SCA BB .3.1.7	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE8000-2xTGBE SCE8000-4xTGBE	3.1.7	3.5.5 3.5.0 3.1.6	3.5.5 3.5.0 3.1.6	3.1.6 Also packaged with SCA BB Console	—
SCA BB 3.1.6 (PQI 3.1.6S)	SCE8000-2xTGBE SCE8000-4xTGBE	3.1.6S	3.5.5 3.5.0 3.1.6	3.5.5 3.5.0 3.1.6	3.1.6 Also packaged with SCA BB Console	—

Table 3 SCA BB 3.x Release Train (continued)

Cisco SCA BB	Hardware Platforms	SCOS	Collection Manager	Subscriber Manager	SCA Reporter	Insight
Cisco SCA BB 3.1.6	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE-2020-4/8xFE	3.1.6	3.5.5 3.5.0 3.1.6	3.5.5 3.5.0 3.1.6	3.1.6 Also packaged with SCA BB Console	—
Cisco SCA BB 3.1.5	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE-2020-4/8xFE	3.1.5	3.0.3 ⁷ 3.0.5 3.0.6 3.1.0 ⁸ 3.1.5 ⁸ 3.1.6 ⁸ 3.5.0	3.1.0 3.1.1 3.1.5 3.1.6 3.5.0	3.1.5 Also packaged with SCA BB Console	—
Cisco SCA BB 3.1.1	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE-2020-4/8xFE	3.1.1	3.0.3 ⁷ 3.0.5 3.0.6 3.1.0 ⁸ 3.1.5 ⁸ 3.1.6 ⁸ 3.5.0	3.1.0 3.1.1 3.1.5 3.1.6 3.5.0	3.1.0 Also packaged with SCA BB Console	—
Cisco SCA BB 3.1.0	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE-2020-4/8xFE	3.1.0	3.0.3 ⁷ 3.0.5 3.0.6 3.1.0 ⁸ 3.1.5 ⁸	3.1.0 3.1.1 3.1.5	3.1.0 Also packaged with SCA BB Console	—
Cisco SCA BB 3.0.6	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE SCE-2020-4/8xFE	3.0.6	3.0.0 3.0.3 ⁷ 3.0.5 3.0.6 3.1.0 3.1.5 ⁸	3.0.3 ⁹ 3.0.5 3.0.6 ¹⁰ 3.0.6A 3.1.0 3.1.1 3.1.5	3.0.5 Also packaged with SCA BB Console	—
Cisco SCA BB 3.0.5A	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE SCE-2020-4/8xFE	3.0.5	3.0.0 3.0.3 ⁷ 3.0.5 3.0.6 3.1.0 3.1.5 ⁸	3.0.3 ⁹ 3.0.5 3.0.6 ¹⁰ 3.0.6A 3.1.0 3.1.1 3.1.5	3.0.5 Also packaged with SCA BB Console	—

Table 3 SCA BB 3.x Release Train (continued)

Cisco SCA BB	Hardware Platforms	SCOS	Collection Manager	Subscriber Manager	SCA Reporter	Insight
Cisco SCA BB 3.0.4	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE SCE-2020-4/8xFE	3.0.4	3.0.0 3.0.3 ⁷ 3.0.5 3.0.6 3.1.0	3.0.0 3.0.1 3.0.3 ^{9,11} 3.0.5 3.0.6 ¹⁰ 3.0.6A 3.1.0	3.0.3 Also packaged with SCA BB Console	—
Cisco SCA BB 3.0.3	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE SCE-2020-4/8xFE	3.0.3	3.0.0 3.0.3 ⁷ 3.0.5 3.0.6 3.1.0	3.0.0 3.0.1 3.0.3 ⁹ 3.0.5 3.0.6 ¹⁰ 3.0.6A 3.1.0	3.0.3 Also packaged with SCA BB Console	—
Cisco SCA BB 3.0.1	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE SCE-2020-4/8xFE	3.0.1	3.0.0	3.0.0 3.0.1 3.0.3 ^{9,11}	3.0.0 Also packaged with SCA BB Console	—
Cisco SCA BB 3.0.0	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE SCE-2020-4/8xFE	3.0.0	3.0.0	3.0.0 3.0.3 ^{9,11} 3.0.6A	3.0.0 Also packaged with SCA BB Console	—

1. Only supported in cascade topology.
2. Only supported in cascade topology.
3. Only supported in cascade topology.
4. Only supported in cascade topology.
5. Only supported in cascade topology.
6. Only supported in cascade topology.
7. VoIP reporting capabilities are only supported with CM 3.0.3 and up.
8. Virtual Links reporting capabilities are only supported with CM 3.1.0 or higher.
9. Use SCMS-SM 3.0.3 patch for SM-cluster upgrades from SM3.0.x to SM3.0.3.
10. Legacy support only (replaced by 3.0.6A).
11. Using releases SCMS-SM 3.0.3 and up is recommended for these SCA BB releases due to a known limitation of previous SCMS-SM versions. See details of resolved issue CSCsd93885 in the SCMS-SM release notes.

Table 4 SCA BB 2.x Release Train

Cisco SCA BB	HW Platforms	SCOS	SCMS CM	SCMS SM	SCA Reporter
Cisco SCA BB 2.5.10	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE-2020-4/8xFE	2.5.10	2.5.5 2.5.8	2.5.5 2.5.6 2.5.7 2.5.7A 2.5.8 3.0.6 ¹ 3.0.6A	2.5.5
Cisco SCA BB 2.5.9	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE-2020-4/8xFE	2.5.9	2.5.5 2.5.8	2.5.5 2.5.6 2.5.7 2.5.8	2.5.5
Cisco SCA BB 2.5.8	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE-2020-4/8xFE	2.5.8	2.5.5 2.5.8	2.5.5 2.5.6 2.5.7 2.5.8	2.5.5
Cisco SCA BB 2.5.7	SCE-1010-2xGBE 2U SCE-2020-4xGBE SCE-2020-4/8xFE	2.5.7	2.5.5	2.5.2 2.5.5 2.5.6 2.5.7 2.5.8	2.5.5
Cisco SCA BB 2.5.6	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE	2.5.6, 2.5.5	2.5.5	2.5.2 2.5.5 2.5.6 2.5.7 2.5.8	2.5.5
CiscoSCA BB 2.5.5	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE	2.5.5	2.5.5	2.5.2 2.5.5 2.5.7	2.5.5
SCA BB 2.5.2	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE	2.5.2	2.5.1 2.5.5	2.5.2 2.5.5	2.5
Cisco SCA BB 2.1.8	SCE-1010-2xGBE 2U SCE-1010-2xGBE 1.5U SCE-2020-4xGBE	2.1.8	2.0 2.5.1	2.0.3 2.2.1	2.1

1. Legacy support only (replaced by 3.0.6A).

3 Downloading Software

Table 5 summarizes the contents of each software package.

Table 5 Software Package Contents Summary

Software Package	Content	Download Directory	Comment
Cisco SCA BB	<ul style="list-style-type: none"> • SCE Loadable Image (SCE PQI) • SM Loadable Image (SM PQI) • Client Software (Console, Reporter, & Command line utilities) • Service Configuration API • Quota Provisioning API * 	http://www.cisco.com/cgi-bin/tablebuild.pl/scasbb	<p>MIB files for release 3.0.3 and later can be downloaded from ftp://ftp.cisco.com/pub/mibs/</p> <p>* Starting with release 3.0, QP-API is part of the SCE Subscriber API.</p>
SCOS	<ul style="list-style-type: none"> • PKG File for each platform • Image file • Image used for bootrom upgrades • FPGA and PROM files • Configuration files • EM Agent installation files 	<ul style="list-style-type: none"> • Prior to SCOS Rel 3.1.7: http://www.cisco.com/cgi-bin/tablebuild.pl/scos • SCOS Rel 3.1.7 and up: http://www.cisco.com/cgi-bin/tablebuild.pl/scos-cr 	<p>MIB files for release 3.0.3 and later can be downloaded from ftp://ftp.cisco.com/pub/mibs/</p>
SCMS SM Release 2.x	<ul style="list-style-type: none"> • SM distribution • SM installation scripts • SM API (C & Java) • LEGs: <ul style="list-style-type: none"> – RDR DHCP LEG – DHCP lease query LEG – CNR LEG • SM Veritas agents 	http://www.cisco.com/cgi-bin/tablebuild.pl/scsm	<p>SCMS SM 2.x distribution is split into several parts in the CCO. Refer to readme.txt file (located in download directory) for a description of how to merge the distribution.</p>
SCMS SM Release 3.x	<ul style="list-style-type: none"> • SM distributions (Solaris\Red-Hat Linux): • SM server • SM installation scripts • Veritas Cluster Agents • RADIUS Listener • SM API (C & Java) • SCE Subscriber API • LEGs: <ul style="list-style-type: none"> – SCE-Sniffer DHCP LEG – SCE-Sniffer RADIUS LEG – DHCP lease query LEG – CNR LEG – MPLS-VPN BGP LEG 	http://www.cisco.com/cgi-bin/tablebuild.pl/scsm	—

Table 5 Software Package Contents Summary (continued)

Software Package	Content	Download Directory	Comment
SCMS SM Release 4.x	<ul style="list-style-type: none"> • SM distributions (Solaris\Red-Hat Linux): • SM server • SM installation scripts • Veritas Cluster Agents • RADIUS Listener • SM API (C & Java) • SCE Subscriber API • LEGs: <ul style="list-style-type: none"> – SCE-Sniffer DHCP LEG – SCE-Sniffer RADIUS LEG – DHCP lease query LEG – CNR LEG – MPLS-VPN BGP LEG 	http://www.cisco.com/cgi-bin/tablebuild.pl/scsm	—
SCMS SM Release 5.x	<ul style="list-style-type: none"> • SM distributions (Red-Hat Linux): • SM server • SM installation scripts • Veritas Cluster Agents • RADIUS Listener • SM API (C & Java) • SCE Subscriber API • LEGs: <ul style="list-style-type: none"> – SCE-Sniffer DHCP LEG – SCE-Sniffer RADIUS LEG – DHCP lease query LEG – CNR LEG – MPLS-VPN BGP LEG 	http://www.cisco.com/cgi-bin/tablebuild.pl/scsm	—
SCMS CM Release 4.x and earlier	<ul style="list-style-type: none"> • SCMS CM + Sybase software for Solaris • SCMS CM + Sybase software for Linux • SCMS CM for Solaris/Linux 	http://www.cisco.com/cgi-bin/tablebuild.pl/sccm	Cisco Service Control Collection Manager distribution is split into several parts in the CCO. Refer to the readme.txt file (located in download directory) for a description of how to merge the distribution

Table 5 **Software Package Contents Summary (continued)**

Software Package	Content	Download Directory	Comment
SCMS CM Release 5.x	<ul style="list-style-type: none">• SCMS CM for Linux	http://www.cisco.com/cgi-bin/tablebuild.pl/sccm	Cisco Service Control Collection Manager distribution is split into several parts in the CCO. Refer to the readme.txt file (located in download directory) for a description of how to merge the distribution
SCA Reporter Release 4.0.0 and earlier	Client software for MS-Windows, and command-line installer package for Redhat Linux	http://www.cisco.com/cgi-bin/tablebuild.pl/scasbb	—

4 Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at:

<http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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