Cisco Service Control Application for Broadband Download Guide,

Release 3.8.x

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 (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 3 below and read the release notes of the various components. The "Compatibility Matrix" section on page 3 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 SCA BB package for a step-by-step description of how to install the solution.

2 Compatibility Matrix

Table 1 provides compatibility information for the various components of the Service Control Solution for the 3.x release train and Table 2 provides compatibility information for the various components of the Service Control Solution for the 2.x release train. For each SCA BB revision, the list of compatible versions of the SCOS, SCMS CM, SCA Reporter and 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   SCA BB 3.x Release Train

	HW Platforms	SCOS	CM	SM	SCA BB Reporter	Insight
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
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
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 1   **SCA BB 3.x Release Train (continued)**

	HW Platforms	SCOS	CM	SM	SCA BB Reporter	Insight
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
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
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
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 1   SCA BB 3.x Release Train (continued)

	HW Platforms	SCOS	CM	SM	SCA BB 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 1   *SCA BB 3.x Release Train (continued)*

	HW Platforms	SCOS	CM	SM	SCA BB Reporter	Insight
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	—
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	—
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	—
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	—
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	—
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 1 **SCA BB 3.x Release Train (continued)**

	HW Platforms	SCOS	CM	SM	SCA BB Reporter	Insight
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	—
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	—
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	—
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 2   SCA BB 2.x Release Train

	HW Platforms	SCOS	SCMS CM	SCMS SM	SCA Reporter
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
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
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
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
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
SCA 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
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 3 summarizes the contents of each software package.

Table 3   Software Package Contents Summary

Software Package	Content	Download Directory	Comment
SCA BB	• 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	MIB files for release 3.0.3 and up can be downloaded from ftp://ftp.cisco.com/pub/mibs/ * Starting with release 3.0, QP-API is part of the SCE Subscriber API.
SCOS	• PKG File for each platform • Image file • Image used for bootrom upgrades • FPGA and PROM files • Configuration files • EM Agent installation files	• 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	MIB files for release 3.0.3 and up can be downloaded from ftp://ftp.cisco.com/pub/mibs/

SCMS SM
Release 2.x
	• SM distribution
	• SM installation scripts
	• SM API (C & Java)
	• LEGs:
	  – RDR DHCP LEG
	  – DHCP lease query LEG
	  – CNR LEG
	• SM Veritas agents
		http://www.cisco.com/cgi-bin/tablebuild.pl/scsm	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.

SCMS SM
Release 3.x
	• SM distributions (Solaris\Red-Hat Linux):
	• SM server
	• SM installation scripts
	• Veritas Cluster Agents
	• RADIUS Listener
	• SM API (C & Java)
	• SCE Subscriber API
	• LEGs:
	  – 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 3 **Software Package Contents Summary (continued)**

Software Package	Content	Download Directory	Comment
SCMS CM	• CMS CM + Sybase software for Solaris • SCMS CM + Sybase software for Linux • SCMS CM for Solaris/Linux	http://www.cisco.com/cgi-bin/table build.pl/sccm	SCMS CM 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	Client software for MS-Windows, and command-line installer package for Redhat Linux	http://www.cisco.com/cgi-bin/table build.pl/scasbb	

4 Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, 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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