Cisco Service Control MIBs

Revised: February 07, 2014, OL-24150-12

Introduction

The Cisco SCE platform originally supported the standard MIB-II and a proprietary Service Control Enterprise MIB. The proprietary *pcube* MIB enabled the external management system to perform configuration, performance, troubleshooting and alerting operations specific to the SCE platform that were not provided by the standard MIB.

The proprietary pcube MIBs has been replaced by a combination of standard and Cisco MIBs and new Cisco Service Control MIBs. The new MIB structure was designed to keep backward compatility and provide the same information as provided in the past as much as possible.

This appendix explains how to map the proprietary pcube MIB supported in previous releases to the new MIB structure. It points out backward compatible issues and provides mapping guidelines from old MIB or OID group to a new MIB.

Note These MIB updates are supported on the SCE8000 platform only. The pcube MIB is backward compatible to 3.1.6 for the SCE 1000 and SCE 2000 platforms.

The list of supported MIBs is described at the following URL under the Cisco Service Routing Products section. Select the desired product and then the desired release.

http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml

All Cisco MIBs and some of the common standard MIBs can be obtained at the following URL:

http://tools.cisco.com/Support/SNMP/do/BrowseMIB.do?local=en&step=2

MIB Files

The pcube MIB was grouped into several MIBs, each of which represented a certain aspect or functionality in the SCE platform (see the tables in the pcube to Cisco MIB Mapping: Detailed OID Mappings, page A-7 section for more details).

The pcube MIB files have been replaced by MIBs from three sources:

- standard MIBs
- existing Cisco MIBs
- new Cisco Service Control MIBs

Table A-1, Table A-2, and Table A-3 describe the former pcube MIB files and the MIB files that replace the pcube MIB.

Table A-1   pcube MIBs

MIB	Description
PCUBE-SMI.my	Defines P-cube enterprise tree structure
PCUBE-PRODUCTS-MIB.my	Defines OIDs of Cisco Service Control products
PCUBE-CONFIG-COPY-MIB.my	Contains a subset of the Cisco Config-Copy-MIB ported to the pcube enterprise subtree
CISCO-SCAS-BB-MIB.my	Contains SCA BB information handlers
PCUBE-SE-MIB.my	Contains information about the SCE platform

Table A-2   Newly added CISCO-SERVICE_CONTROL MIBS that replace pcube MIBs

MIB	Description
CISCO-SERVICE-CONTROL-LINK-MIB.my	Provides information about the status and configuration of links used by service control entities.
CISCO-SERVICE-CONTROL-RDR-MIB.my	Defines objects describing statistics and configuration relating to the Raw Data Record Formatter running on a service control entity.
CISCO-SERVICE-CONTROL-SUBSCRIBERS-MIB.my	Provides global and specific information on subscribers managed by a service control entity
CISCO-SERVICE-CONTROL-TP-STATS-MIB.my	Provides information and statistics on the traffic processor(s) of a service control entity.
CISCO-SERVICE-CONTROL-ATTACK-MIB.my	Provides information related to different types of attacks detected on the network entities and corresponding actions taken in the monitored network
CISCO-SERVICE-CONTROLLER-MIB.my	Provides information about service control traffic controllers.

Table A-3   Standard and Cisco MIBs used to replace pcube MIBs

MIBs	Description
CISCO-SMI.my	Defines Cisco enterprise tree structure
CISCO-TC.my	Contains Textual Conventions needed in some MIBs
CISCO-CONFIG-COPY-MIB.my	Facilitates writing of configuration files
CISCO-ENTITY-ALARM-MIB.my	Defines the managed objects that support the monitoring of alarms generated by physical entities contained by the system
CISCO-ENTITY-FRU-CONTROL-MIB.my	Monitor s and configures operational status of Field Replaceable Units
CISCO-ENTITY-REDUNDANCY-MIB.my	Supports configuration, control and monitoring of redundancy protection for various kinds of components on Cisco managed devices.
CISCO-ENTITY-REDUNDANCY-TC-MIB.my	Defines the textual conventions used within Cisco Entity Redundancy MIBs
CISCO-ENTITY-SENSOR-MIB.my	Monitors the values of sensors in the Entity-MIB
CISCO-PROCESS-MIB.my	Provides overall information about the CPU load.
CISCO-QUEUE-MIB.my	Manages interface queuing in Cisco devices.
CISCO-SECURE-SHELL-MIB.my	Displays and configures accounting and Secure Shell (SSH) related features in a device.
CISCO-SYSLOG-EXT-MIB.my	Extends the Cisco Syslog MIB and provides network management support to handle and process Syslog messages as device events
CISCO-SYSLOG-EVENT-EXT-MIB.my	Extends the Cisco Syslog.MIB and provides network management support to handle and process Syslog messages as device events
CISCO-SYSLOG-MIB.my	Describes and stores the system messages generated by the IOS and any other OS which supports syslogs.
CISCO-TELNET-SERVER-MIB.my	Displays and configures Telnet related features in a device.
ENTITY-MIB.my	Represents multiple logical entities supported by a single SNMP agent
ENTITY-STATE-MIB.my	Defines a state extension to the Entity MIB
ENTITY-STATE-TC-MIB.my	Defines state textual conventions.
HOST-RESOURCES-MIB.my	Manages host systems.

Note   Only OIDs that are mapped to former pcube MIB OIDs are in use in the standard and Cisco MIBs as listed in this table.

Loading MIBs

It is important to load the MIBs in the proper order.

Before loading any new CISCO-SERVICE-CONTROL MIB, load the following MIBs in this order:

1. SNMPv2-SMI.my
2. SNMPv2-CONF.my
3. SNMPv2-TC.my
4. SNMP-FRAMEWORK-MIB.my
5. ENTITY-MIB.my
6. INET-ADDRESS-MIB.my
7. CISCO-SMI.my
8. CISCO-TC.my

Loading procedure for standard MIBs and other legacy Cisco MIBs is explained here:

http://tools.cisco.com/Support/SNMP/do/BrowseMIB.do?local=en&step=2

pcube to Cisco MIB Mapping

This section is an overview of how the former pcube MIB maps to the current Cisco MIBs. Two P-cube MIBs are mapped; PcubeSeMIB and PcubeEngageMIB (CISCO-SCABB-MIB). Table A-4 lists the overall tree structure and Table A-5 lists the PcubeSeMIB.

Table A-4   Overall tree structure: related objects

Pcube Object Name	New MIB Object Name/MIB Name
pcube	CISCO-SERVICE-CONTROL or cServiceControl
pcubeProducts	ciscoMgmt
pcubeModules	Removed
pcubeSeMIB	See Table A-5 on page A-5
pcubeEngageMIB	See Pcube Engage MIB (CISCO-SCAS-BB-MIB), page A-6

Table A-5   PcubeSeMIB

PcubeSEMIB Group Name	New MIB Object Name/MIB Name
pcubeSeMIBpcubeModuleGroup	cServiceControlMIB
pcubeSeConformance	cServiceControlNotifs
pcubeSeGroups	cServiceControlObjects
pcubeSystemGroup	ENTITY and ENTITY-EXTENTION MIBs
pcubeChassisGroup	ENTITY and ENTITY-EXTENTION MIBs
pcuebModuleGroup	ENTITY and ENTITY-EXTENTION MIBs
pcubeLinkGroup	CISCO-SERVICE-CONTROL-LINK-MIB
pcubeDiskGroup	HOST-RESOURCES-MIB
pcubeRdrFormatterGroup	CISCO-SERVICE-CONTROL-RDR-MIB
pcubeLoggerGroup	clogHistoryTable from CISCO-SYSLOG-MIB
pcubeSubscribersGroup	CISCO-SERVICE-CONTROL-SUBSCRIBERS-MIB
pcubeTrafficProcessorGroup	CISCO-SERVICE-CONTROL-TP-STATS-MIB
pcubePortGroup	ENTITY-MIB, many objects in the group are no longer necessary
pcubeTxQueuesGroup	CISCO-QUEUE-MIB with a few modifications.
pcubeGlobalControllersGroup	CISCO-SERVICE-CONTROLLER-MIB
pcubeTrafficCountersGroup	CISCO-SERVICE-CONTROL-TP-STATS-MIB
pcubeAttackGroup	CISCO-SERVICE-CONTROL-ATTACK-MIB
pcubeTrapObjectsGroup	Notifications have been mapped to the relevant MIBs

Pcube Engage MIB (CISCO-SCAS-BB-MIB)

The information in the pcubeEnageMIB is available from various RDRs and from tables of the Collection Manager database. Therefore this MIB has not been replaced by a new Cisco Service Control MIB.

For information regarding the mapping of the MIB objects to RDRs and the Collection Manager database, see Table A-21 on page A-24.

pcube to Cisco MIB Mapping: Detailed OID Mappings

The following tables provide the detailed mappings for specific pcubeSeMIB (1.3.6.1.4.1.5655.4.1/0) OIDs to the current standard and Cisco MIBs.

Table A-6   *systemGrp (1.3.6.1.4.1.5655.4.1.1)*

pcube Object Name	OID	New MIB	New Object Name	OID
sysOperationalStatus	1.3.6.1.4.1.5655.4.1.1.1	ENTITY-STATE-MIB	entStateTable.entStateOper	1.3.6.1.2.1.131.1.1.1.3
			entStateTable.entStateAlarm	1.3.6.1.2.1.131.1.1.1.5
other(1)			entStateTable.entStateOper = unknown (1)	
			entStateTable.entStateAlarm = indeterminate (2).	
boot(2)			entStateTable.entStateOper = testing (4)	
			entStateTable.entStateAlarm =unknown (0x80)	
operational(3)			entStateTable.entStateOper = enabled (3)	
			entStateTable.entStateAlarm = unknown(0x80)	
warning(4)			entStateTable.entStateOper = enabled (3)	
			entStateTable.entStateAlarm = warning (5)	
failure(5)			entStateTable.entStateOper = disabled (2)	
			entStateTable.entStateAlarm = critical(2) or major(3)	
sysFailureRecovery	1.3.6.1.4.1.5655.4.1.1.2	CISCO-ENTITY-EXT-MIB	not mapped	
sysVersion	1.3.6.1.4.1.5655.4.1.1.2.1	ENTITY-MIB	entPhysicalDescr	1.3.6.1.2.1.47.1.1.1.1.2

Table A-7   *pchassisGrp (1.3.6.1.4.1.5655.4.1.2*

pcube Object Name	OID	New MIB	New Object Name	OID
pchassisSysType	1.3.6.1.4.1.5655.4.1.2.1		Not mapped. Derived from entPhysicalDescr and entPhysicalClass chassis(3)	
pchassisPowerSupply Alarm	1.3.6.1.4.1.5655.4.1.2.2	CISCO-ENTITY-FRU-CONTROL-MIB	Trap is sent Current status available using the **show environment** CLI command	
pchassisFansAlarm	1.3.6.1.4.1.5655.4.1.2.3	CISCO-ENTITY-FRU-CONTROL-MIB	Trap is sent Current status available using the **show environment** CLI command	
pchassisTempAlarm	1.3.6.1.4.1.5655.4.1.2.4	CISCO-ENTITY-SENSOR-MIB	Trap is sent Current status available using the **show environment** CLI command	
pchassisVoltageAlarm	1.3.6.1.4.1.5655.4.1.2.5	CISCO-ENTITY-SENSOR-MIB	Trap is sent Current status available using the **show environment** CLI command	
pchassisNumSlots	1.3.6.1.4.1.5655.4.1.2.6	ENTITY-MIB	The entity MIB shows the number of slots. According to the Entity MIB mapping and container relationship	
pchassisSlotConfig	1.3.6.1.4.1.5655.4.1.2.7	ENTITY-MIB	The Entity MIB indicates which slots in the chassis have modules inserted.	
pchassisPsuType	1.3.6.1.4.1.5655.4.1.2.8	ENTITY-MIB	**entity physical name** shows the Name	
pchassisLineFeedAlarm	1.3.6.1.4.1.5655.4.1.2.10	ENTITY-MIB	Trap is sent Current status available using the **show environment** CLI command	

Table A-8   *pmoduleGrp (1.3.6.1.4.1.5655.4.1.3)*

pcube Object Name	OID	New MIB	New Object Name	OID
pmoduleTable	1.3.6.1.4.1.5655.4.1.3.1	ENTITY-MIB	entPhysicalTable	1.3.6.1.2.1.47.1.1.1
pmoduleEntry	1.3.6.1.4.1.5655.4.1.3.1.1	ENTITY-MIB	entPhysicalEntry	1.3.6.1.2.1.47.1.1.1.1
pmoduleIndex	1.3.6.1.4.1.5655.4.1.3.1.1.1	ENTITY-MIB	entPhysicalIndex	1.3.6.1.2.1.47.1.1.1.1.1
pmoduleType	1.3.6.1.4.1.5655.4.1.3.1.1.2	ENTITY-MIB	entPhysicalName entPhysicalClass	1.3.6.1.2.1.47.1.1.1.1.7 1.3.6.1.2.1.47.1.1.1.1.5
pmoduleNumTraffic Processors	1.3.6.1.4.1.5655.4.1.3.1.1.3	CISCO-PROCESS-MIB	cpmCPUTotalTable.cpmCPUTotal PhysicalIndex	1.3.6.1.4.1.9.9.109.1.1.1.1.2
pmoduleSlotNum	1.3.6.1.4.1.5655.4.1.3.1.1.4	ENTITY-MIB	entPhysicalContainedIn	1.3.6.1.2.1.47.1.1.1.1.4
pmoduleHwVersion	1.3.6.1.4.1.5655.4.1.3.1.1.5	ENTITY-MIB	entPhysicalHardwareRev	1.3.6.1.2.1.47.1.1.1.1.8
pmoduleNumPorts	1.3.6.1.4.1.5655.4.1.3.1.1.6	ENTITY-MIB	The number of entries in ENTITY-MIB with entPhysicalClass = port	
pmoduleNumLinks	1.3.6.1.4.1.5655.4.1.3.1.1.7	ENTITY-MIB	The number of entries in ENTITY-MIB with entPhysicalClass = other	
pmoduleConnection Mode	1.3.6.1.4.1.5655.4.1.3.1.1.8	Not mapped	Use CLI command: **show interface linecard connection-mode**	
pmoduleSerialNumber	1.3.6.1.4.1.5655.4.1.3.1.1.9	ENTITY-MIB	entPhysicalSerialNum	1.3.6.1.2.1.47.1.1.1.1.11
pmoduleUpStream AttackFilteringTime	1.3.6.1.4.1.5655.4.1.3.1.1.10	CISCO-SERVICE-CONTROL-ATTACK-MIB	cscaInfoUpStream AttackFilteringTime	1.3.6.1.4.1.9.9.693.1.3.1.1
pmoduleUpStreamLas tAttackFilteringTime	1.3.6.1.4.1.5655.4.1.3.1.1.11	CISCO-SERVICE-CONTROL-ATTACK-MIB	cscaInfoUpStreamLast AttackFilteringTime	1.3.6.1.4.1.9.9.693.1.3.1.2
pmoduleDownStream AttackFilteringTime	1.3.6.1.4.1.5655.4.1.3.1.1.12	CISCO-SERVICE-CONTROL-ATTACK-MIB	cscaInfoDownStream AttackFilteringTime	1.3.6.1.4.1.9.9.693.1.3.1.3
pmoduleDownStream LastAttack FilteringTime	1.3.6.1.4.1.5655.4.1.3.1.1.13	CISCO-SERVICE-CONTROL-ATTACK-MIB	cscaInfoDownStreamLast AttackFilteringTime	1.3.6.1.4.1.9.9.693.1.3.1.4
pmoduleAttack ObjectsClearTime	1.3.6.1.4.1.5655.4.1.3.1.1.14		Not mapped	

Table A-8 **pmoduleGrp (1.3.6.1.4.1.5655.4.1.3) (continued)**

pcube Object Name	OID	New MIB	New Object Name	OID
pmoduleAdminStatus	1.3.6.1.4.1.5655.4.1.3.1.1.15	ENTITY-MIB	entStateAdmin	1.3.6.1.2.1.131.1.1.1.2
pmoduleOperStatus	1.3.6.1.4.1.5655.4.1.3.1.1.16	ENTITY-MIB	entStateOper entStateStandby	1.3.6.1.2.1.131.1.1.1.3 1.3.6.1.2.1.131.1.1.1.6

Table A-9 **linkGrp (1.3.6.1.4.1.5655.4.1.4): all mapped objects mapped to CISCO-SERVICE-CONTROL-LINK-MIB**

pcube Object Name	OID	New Object Name	OID
linkTable	1.3.6.1.4.1.5655.4.1.4.1	cscLinkStatusTable	1.3.6.1.4.1.9.9.631.1.2
linkEntry	1.3.6.1.4.1.5655.4.1.4.1.1	cscLinkStatusEntry	1.3.6.1.4.1.9.9.631.1.2.1
linkModuleIndex	1.3.6.1.4.1.5655.4.1.4.1.1.1	Not mapped. Not needed in the new structure - Information provided by ENTITY-MIB	
linkIndex	1.3.6.1.4.1.5655.4.1.4.1.1.2	entPhysicalIndex	1.3.6.1.2.1.47.1.1.1.1.1
linkAdminModeOnActive	1.3.6.1.4.1.5655.4.1.4.1.1.3	csclLinkStatusAdminModeOnActive	1.3.6.1.4.1.9.9.631.1.2.1.1
linkAdminModeOnFailure	1.3.6.1.4.1.5655.4.1.4.1.1.4	csclLinkStatusAdminModeOnFailure	1.3.6.1.4.1.9.9.631.1.2.1.2
linkOperMode	1.3.6.1.4.1.5655.4.1.4.1.1.5	cscLinkStatusOperMode	1.3.6.1.4.1.9.9.631.1.2.1.3
linkStatusReflectionEnable	1.3.6.1.4.1.5655.4.1.4.1.1.6	cscLinkStatusStatusReflectionEnable	1.3.6.1.4.1.9.9.631.1.2.1.4
linkSubscriberSidePortIndex	1.3.6.1.4.1.5655.4.1.4.1.1.7	cscLinkStatusSubscriberSidePortIndex	1.3.6.1.4.1.9.9.631.1.2.1.5
linkNetworkSidePortIndex	1.3.6.1.4.1.5655.4.1.4.1.1.8	cscLinkStatusNetworkSidePortIndex	1.3.6.1.4.1.9.9.631.1.2.1.6
		New objects: cscLinkStatusStatusReflectionState = noLinkReflection(1) reflectingFailureToNetwork (2) reflectingFailureToSubscriber(3)	1.3.6.1.4.1.9.9.631.1.2.1.7

Table A-10   *diskGrp (1.3.6.1.4.1.5655.4.1.5): all objects mapped to HOST-RESOURCE-MIB*

pcube Object Name	OID	New Object Name	OID
diskNumUsedBytes	1.3.6.1.4.1.5655.4.1.5.1	hrStorageTable.hrStorageUsed	1.3.6.1.2.1.25.2.3.1.6
diskNumFreeBytes	1.3.6.1.4.1.5655.4.1.5.2	hrStorageTable.hrStorageUsed hrStorageTable.hrStorageSize	1.3.6.1.2.1.25.2.3.1.6 1.3.6.1.2.1.25.2.3.1.5

Table A-11   *rdrFormatterGrp (1.3.6.1.4.1.5655.4.1.6): all mapped objects mapped to CISCO-SERVICE-CONTROL-RDR-MIB*

pcube Object Name	OID	New Object Name	OID
rdrFormatterEnable	1.3.6.1.4.1.5655.4.1.6.1	cServiceControlRDRFormatterEnable	1.3.6.1.4.1.9.9.637.1.1.1.1
rdrFormatterDestTable	1.3.6.1.4.1.5655.4.1.6.2	cServiceControlRDRFormatterDestTable	1.3.6.1.4.1.9.9.637.1.2
rdrFormatterDestEntry	1.3.6.1.4.1.5655.4.1.6.2.1	cServiceControlRDRFormatterDestEntry	1.3.6.1.4.1.9.9.637.1.2 .1
rdrFormatterDest IPAddr	1.3.6.1.4.1.5655.4.1.6.2.1.1	cServiceControlRDRFormatterDestIPAddr	1.3.6.1.4.1.9.9.637.1.2.1.3
rdrFormatterDestPort	1.3.6.1.4.1.5655.4.1.6.2.1.2	cServiceControlRDRFormatterDestPort	1.3.6.1.4.1.9.9.637.1.2.1.4
rdrFormatterDestPriority	1.3.6.1.4.1.5655.4.1.6.2.1.3	cServiceControlRDRFormatterDestPriority	1.3.6.1.4.1.9.9.637.1.2.1.5
rdrFormatterDestStatus	1.3.6.1.4.1.5655.4.1.6.2.1.4	cServiceControlRDRFormatterDestStatus	1.3.6.1.4.1.9.9.637.1.2.1.6
rdrFormatterDest ConnectionStatus	1.3.6.1.4.1.5655.4.1.6.2.1.5	cServiceControlRDRFormatterDestConnectionStatus	1.3.6.1.4.1.9.9.637.1.2.1.7
rdrFormatterDestNum ReportsSent	1.3.6.1.4.1.5655.4.1.6.2.1.6	cServiceControlRDRFormatterDestNumReportsSent	1.3.6.1.4.1.9.9.637.1.2.1.8
rdrFormatterDestNum ReportsDiscarded	1.3.6.1.4.1.5655.4.1.6.2.1.7	cServiceControlRDRFormatterDestNumReportsDiscarded	1.3.6.1.4.1.9.9.637.1.2.1.9
rdrFormatterDestReport Rate	1.3.6.1.4.1.5655.4.1.6.2.1.8	cServiceControlRDRFormatterDestReportRate	1.3.6.1.4.1.9.9.637.1.2.1.10
rdrFormatterDestReport RatePeak	1.3.6.1.4.1.5655.4.1.6.2.1.9	Not mapped	
rdrFormatterDestReport RatePeakTime	1.3.6.1.4.1.5655.4.1.6.2.1.10	Not mapped	
rdrFormatterNum ReportsSent	1.3.6.1.4.1.5655.4.1.6.3	cServiceControlRDRFormatterNumReportsSent	1.3.6.1.4.1.9.9.637.1.1.1.2
rdrFormatterNum ReportsDiscarded	1.3.6.1.4.1.5655.4.1.6.4	cServiceControlRDRFormatterNumReportsDiscarded	1.3.6.1.4.1.9.9.637.1.1.1.3

Table A-11 **rdrFormatterGrp (1.3.6.1.4.1.5655.4.1.6): all mapped objects mapped to CISCO-SERVICE-CONTROL-RDR-MIB (continued)**

pcube Object Name	OID	New Object Name	OID
rdrFormatterClear CountersTime	1.3.6.1.4.1.5655.4.1.6.5	Not mapped	
rdrFormatterReportRate	1.3.6.1.4.1.5655.4.1.6.6	cServiceControlRDRFormatterReportRate	1.3.6.1.4.1.9.9.637.1.1.1.4
rdrFormatterReportRate Peak	1.3.6.1.4.1.5655.4.1.6.7	cscRdrFormatterReportRatePeak	1.3.6.1.4.1.9.9.637.1.1.1.5
rdrFormatterReportRate PeakTime	1.3.6.1.4.1.5655.4.1.6.8	cscRdrFormatterReportRatePeakTime	1.3.6.1.4.1.9.9.637.1.1.1.6
rdrFormatterProtocol	1.3.6.1.4.1.5655.4.1.6.9	cServiceControlRDRFormatterProtocol	1.3.6.1.4.1.9.9.637.1.1.1.7
rdrFormatterForwarding Mode	1.3.6.1.4.1.5655.4.1.6.10	cServiceControlRDRFormatterForwardingMode	1.3.6.1.4.1.9.9.637.1.1.1.8
rdrFormatterCategory Table	1.3.6.1.4.1.5655.4.1.6.11	Available through the CLI.	
rdrFormatterCategory Entry	1.3.6.1.4.1.5655.4.1.6.11.1	Available through the CLI.	
rdrFormatterCategory Index	1.3.6.1.4.1.5655.4.1.6.11.1.1	Available through the CLI.	
rdrFormatterCategory Name	1.3.6.1.4.1.5655.4.1.6.11.1.2	Available through the CLI.	
rdrFormatterCategory NumReportsSent	1.3.6.1.4.1.5655.4.1.6.11.1.3	Available through the CLI.	
rdrFormatterCategory NumReportsDiscarded	1.3.6.1.4.1.5655.4.1.6.11.1.4	Available through the CLI.	
rdrFormatterCategory ReportRate	1.3.6.1.4.1.5655.4.1.6.11.1.5	Available through the CLI.	
rdrFormatterCategory ReportRatePeak	1.3.6.1.4.1.5655.4.1.6.11.1.6	Not mapped	
rdrFormatterCategory ReportRatePeakTime	1.3.6.1.4.1.5655.4.1.6.11.1.7	Not mapped	
rdrFormatterCategory NumReportsQueued	1.3.6.1.4.1.5655.4.1.6.11.1.8	Available through the CLI.	
rdrFormatterCategory DestTable	1.3.6.1.4.1.5655.4.1.6.12	Available through the CLI.	
rdrFormatterCategory DestEntry	1.3.6.1.4.1.5655.4.1.6.12.1	Available through the CLI.	

Table A-11   rdrFormatterGrp (1.3.6.1.4.1.5655.4.1.6): all mapped objects mapped to CISCO-SERVICE-CONTROL-RDR-MIB (continued)

pcube Object Name	OID	New Object Name	OID
rdrFormatterCategory DestPriority	1.3.6.1.4.1.5655.4.1.6.12.1.1	Available through the CLI.	
rdrFormatterCategory DestStatus	1.3.6.1.4.1.5655.4.1.6.12.1.2	Available through the CLI.	

Table A-12   loggerGrp (1.3.6.1.4.1.5655.4.1.7): all mapped objects mapped to CISCO-SYSLOG-EVENT-EXT-MIB

pcube Object Name	OID	New Object Name	OID
loggerUserLogEnable	1.3.6.1.4.1.5655.4.1.7.1	Not mapped	
loggerUserLogNumInfo	1.3.6.1.4.1.5655.4.1.7.2	cslogEventDispositionTable	1.3.6.1.4.1.9.9.270.1.1.5.1.3
loggerUserLogNumWarning	1.3.6.1.4.1.5655.4.1.7.3	cslogEventDispositionTable	1.3.6.1.4.1.9.9.270.1.1.5.1.4
loggerUserLogNumError	1.3.6.1.4.1.5655.4.1.7.4	cslogEventDispositionTable	1.3.6.1.4.1.9.9.270.1.1.5.1.5
loggerUserLogNumFatal	1.3.6.1.4.1.5655.4.1.7.5	cslogEventDispositionTable	1.3.6.1.4.1.9.9.270.1.1.5.1.6
loggerUserLogClearCountersTime	1.3.6.1.4.1.5655.4.1.7.6	Not mapped	

Table A-13   subscribersGrp (1.3.6.1.4.1.5655.4.1.8): all mapped objects mapped to CISCO-SERVICE-CONTROL-SUBSCRIBERS-MIB

pcube Object Name	OID	New Object Name	OID
subscribersInfoTable	1.3.6.1.4.1.5655.4.1.8.1.1	cServiceControlSubscribersInfoTable	1.3.6.1.4.1.9.9.628.1.2
subscribersInfoEntry	1.3.6.1.4.1.5655.4.1.8.1.1.1	cServiceControlSubscribersInfoEntry	1.3.6.1.4.1.9.9.628.1.2.1
subscribersNumIntroduced	1.3.6.1.4.1.5655.4.1.8.1.11.1	cServiceControlSubscribersNumIntroduced	1.3.6.1.4.1.9.9.628.1.2.1.1
subscribersNumFree	1.3.6.1.4.1.5655.4.1.8.1.1.2	cServiceControlSubscribersNumFree	1.3.6.1.4.1.9.9.628.1.2.1.2
subscribersNumIpAddrMappings	1.3.6.1.4.1.5655.4.1.8.1.1.3	cServiceControlSubscribersNumIpAddrMappings	1.3.6.1.4.1.9.9.628.1.2.1.3
subscribersNumIpAddrMappings Free	1.3.6.1.4.1.5655.4.1.8.1.1.4	cServiceControlSubscribersNumIpAddrMappingsFree	1.3.6.1.4.1.9.9.628.1.2.1.4
subscribersNumIpRange Mappings	1.3.6.1.4.1.5655.4.1.8.1.1.5	cServiceControlSubscribersNumIpRangeMappings	1.3.6.1.4.1.9.9.628.1.2.1.5
subscribersNumIpRange MappingsFree	1.3.6.1.4.1.5655.4.1.8.1.1.6	cServiceControlSubscribersNumIpRange MappingsFree	1.3.6.1.4.1.9.9.628.1.2.1.6
subscribersNumVlanMappings	1.3.6.1.4.1.5655.4.1.8.1.1.7	cServiceControlSubscribersNumVlanMappings	1.3.6.1.4.1.9.9.628.1.2.1.7
subscribersNumVlan MappingsFree	1.3.6.1.4.1.5655.4.1.8.1.1.8	cServiceControlSubscribersNumVlanMappingsFree	1.3.6.1.4.1.9.9.628.1.2.1.8

Table A-13   subscribersGrp (1.3.6.1.4.1.5655.4.1.8): all mapped objects mapped to CISCO-SERVICE-CONTROL-SUBSCRIBERS-MIB (continued)

pcube Object Name	OID	New Object Name	OID
subscribersNumActive	1.3.6.1.4.1.5655.4.1.8.1.1.9	cServiceControlSubscribersNumActive	1.3.6.1.4.1.9.9.628.1.2.1.9
subscribersNumActivePeak	1.3.6.1.4.1.5655.4.1.8.1.1.10	Not mapped	
subscribersNumActivePeakTime	1.3.6.1.4.1.5655.4.1.8.1.1.11	Not mapped	
subscribersNumUpdates	1.3.6.1.4.1.5655.4.1.8.1.1.12	cServiceControlSubscribersNumUpdates	1.3.6.1.4.1.9.9.628.1.2.1.10
subscribersCountersClearTime	1.3.6.1.4.1.5655.4.1.8.1.1.13	Not mapped	
subscribersNumTpIpRange Mappings	1.3.6.1.4.1.5655.4.1.8.1.1.14	cServiceControlSubscribersNumTpIpRangeMappings	1.3.6.1.4.1.9.9.628.1.2.1.11
subscribersNumTpIpRange MappingsFree	1.3.6.1.4.1.5655.4.1.8.1.1.15	cServiceControlSubscribersNumTpIpRange MappingsFree	1.3.6.1.4.1.9.9.628.1.2.1.12
subscribersNumAnonymous	1.3.6.1.4.1.5655.4.1.8.1.1.16	cServiceControlSubscribersNumAnonymous	1.3.6.1.4.1.9.9.628.1.2.1.13
subscribersNumWithSessions	1.3.6.1.4.1.5655.4.1.8.1.1.17	cServiceControlSubscribersNumWithSessions	1.3.6.1.4.1.9.9.628.1.2.1.14
subscribersPropertiesTable	1.3.6.1.4.1.5655.4.1.8.2	Not mapped.	
subscribersPropertiesEntry	1.3.6.1.4.1.5655.4.1.8.2.1	Not mapped.	
spIndex	1.3.6.1.4.1.5655.4.1.8.2.1.1	Not mapped.	
spName	1.3.6.1.4.1.5655.4.1.8.2.1.2	Not mapped.	
spType	1.3.6.1.4.1.5655.4.1.8.2.1.3	Not mapped.	
subscribersPropertiesValueTable	1.3.6.1.4.1.5655.4.1.8.3	Not mapped.	
subscribersPropertiesValueEntry	1.3.6.1.4.1.5655.4.1.8.3.1	Not mapped.	
spvIndex	1.3.6.1.4.1.5655.4.1.8.3.1.1	Not mapped.	
spvSubName	1.3.6.1.4.1.5655.4.1.8.3.1.2	Not mapped.	
spvPropertyName	1.3.6.1.4.1.5655.4.1.8.3.1.3	Not mapped.	
spvRowStatus	1.3.6.1.4.1.5655.4.1.8.3.1.4	Not mapped.	
spvPropertyStringValue	1.3.6.1.4.1.5655.4.1.8.3.1.5	Not mapped.	
spvPropertyUintValue	1.3.6.1.4.1.5655.4.1.8.3.1.6	Not mapped.	
spvPropertyCounter64Value	1.3.6.1.4.1.5655.4.1.8.3.1.7	Not mapped.	
New MIB Objects			
		cServiceControlSubscriberMappingFailedReason	1.3.6.1.4.1.9.9.628.1.2.1.15
		cServiceControlSubsribersMaxSupported	1.3.6.1.4.1.9.9.628.1.2.1.16
		cServiceControlSubscribersRowStatus	1.3.6.1.4.1.9.9.628.1.1.1.4

Table A-13   subscribersGrp (1.3.6.1.4.1.5655.4.1.8): all mapped objects mapped to CISCO-SERVICE-CONTROL-SUBSCRIBERS-MIB (continued)

pcube Object Name	OID	New Object Name	OID
		cServiceControlSubscribersPackageIndex	1.3.6.1.4.1.9.9.628.1.1.1.5
		cServiceControlSubscribersRealTimeMonitor	1.3.6.1.4.1.9.9.628.1.1.1.6

Table A-14   trafficProcessorGrp (1.3.6.1.4.1.5655.4.1.9)

pcube Object Name	OID	New MIB	New Object Name	OID
tpInfoTable	1.3.6.1.4.1.5655.4.1.9.1	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTable	1.3.6.1.4.1.9.9.634.1.1
tpInfoEntry	1.3.6.1.4.1.5655.4.1.9.1.1	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpEntry	1.3.6.1.4.1.9.9.634.1.1.1
tpModuleIndex	1.3.6.1.4.1.5655.4.1.9.1.1.1	CISCO-SERVICE-CONTROL-TP-STATS-MIB	entPhysicalIndex	1.3.6.1.2.1.47.1.1.1.1.1
tpIndex	1.3.6.1.4.1.5655.4.1.9.1.1.2	CISCO-SERVICE-CONTROL-TP-STATS-MIB	entPhysicalIndex	1.3.6.1.2.1.47.1.1.1.1.1
tpTotalNumHandled Packets	1.3.6.1.4.1.5655.4.1.9.1.1.3	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalHandledPackets	1.3.6.1.4.1.9.9.634.1.1.1.1
tpTotalNumHandled Flows	1.3.6.1.4.1.5655.4.1.9.1.1.4	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalHandledFlows	1.3.6.1.4.1.9.9.634.1.1.1.2
tpNumActiveFlows	1.3.6.1.4.1.5655.4.1.9.1.1.5	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpActiveFlows	1.3.6.1.4.1.9.9.634.1.1.1.3
tpNumActiveFlowsPeak	1.3.6.1.4.1.5655.4.1.9.1.1.6		Not mapped.	
tpNumActiveFlows PeakTime	1.3.6.1.4.1.5655.4.1.9.1.1.7		Not mapped.	
tpNumTcpActiveFlows	1.3.6.1.4.1.5655.4.1.9.1.1.8	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTcpActiveFlows	1.3.6.1.4.1.9.9.634.1.1.1.4
TpNumTcpActive FlowsPeak	1.3.6.1.4.1.5655.4.1.9.1.1.9		Not mapped.	
tpNumTcpActive FlowsPeakTime	1.3.6.1.4.1.5655.4.1.9.1.1.10		Not mapped.	
tpNumUdpActiveFlows	1.3.6.1.4.1.5655.4.1.9.1.1.11	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpUdpActiveFlows	1.3.6.1.4.1.9.9.634.1.1.1.5
tpNumUdpActive FlowsPeak	1.3.6.1.4.1.5655.4.1.9.1.1.12		Not mapped.	

Table A-14   *trafficProcessorGrp (1.3.6.1.4.1.5655.4.1.9) (continued)*

pcube Object Name	OID	New MIB	New Object Name	OID
tpNumUdpActive FlowsPeakTime	1.3.6.1.4.1.5655.4.1.9.1.1.13		Not mapped.	
tpNumNonTcpUdp ActiveFlows	1.3.6.1.4.1.5655.4.1.9.1.1.14	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpUdpActiveFlows	1.3.6.1.4.1.9.9.634.1.1.1.5
tpNumNonTcpUdp ActiveFlowsPeak	1.3.6.1.4.1.5655.4.1.9.1.1.15		Not mapped.	
tpNumNonTcpUdp ActiveFlowsPeakTime	1.3.6.1.4.1.5655.4.1.9.1.1.16		Not mapped.	
tpTotalNum BlockedPackets	1.3.6.1.4.1.5655.4.1.9.1.1.17	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalBlockedPackets	1.3.6.1.4.1.9.9.634.1.1.1.6
tpTotalNum BlockedFlows	1.3.6.1.4.1.5655.4.1.9.1.1.18	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalBlockedFlows	1.3.6.1.4.1.9.9.634.1.1.1.7
tpTotalNumDiscarded PacketsDueToBwLimit	1.3.6.1.4.1.5655.4.1.9.1.1.19	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalBandwidth DiscardedPackets	1.3.6.1.4.1.9.9.634.1.1.1.8
tpTotalNumWred DiscardedPackets	1.3.6.1.4.1.5655.4.1.9.1.1.20	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalWred DiscardedPackets	1.3.6.1.4.1.9.9.634.1.1.1.9
tpTotalNumFragments	1.3.6.1.4.1.5655.4.1.9.1.1.21	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalFragments	1.3.6.1.4.1.9.9.634.1.1.1.10
tpTotalNum NonIpPackets	1.3.6.1.4.1.5655.4.1.9.1.1.22	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalNonIpPackets	1.3.6.1.4.1.9.9.634.1.1.1.11
tpTotalNumIp CrcErrPackets	1.3.6.1.4.1.5655.4.1.9.1.1.23	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalIpChecksum ErrPackets	1.3.6.1.4.1.9.9.634.1.1.1.12
tpTotalNumIpLength ErrPackets	1.3.6.1.4.1.5655.4.1.9.1.1.24	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalIpLengt ErrPackets	1.3.6.1.4.1.9.9.634.1.1.1.13
tpTotalNumIp BroadcastPackets	1.3.6.1.4.1.5655.4.1.9.1.1.25	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalIp BroadcastPackets	1.3.6.1.4.1.9.9.634.1.1.1.14
tpTotalNum TtlErrPackets	1.3.6.1.4.1.5655.4.1.9.1.1.26	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalTTLErrPackets	1.3.6.1.4.1.9.9.634.1.1.1.15
tpTotalNumTcpUdp CrcErrPackets	1.3.6.1.4.1.5655.4.1.9.1.1.27	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpTotalTcpUdp ChksumErrPackets	1.3.6.1.4.1.9.9.634.1.1.1.16
tpClearCountersTimed	1.3.6.1.4.1.5655.4.1.9.1.1.28		Not mapped.	
tpHandledPacketsRate	1.3.6.1.4.1.5655.4.1.9.1.1.29	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpHandledPacketsRate	1.3.6.1.4.1.9.9.634.1.1.1.17

Table A-14   ***trafficProcessorGrp (1.3.6.1.4.1.5655.4.1.9) (continued)***

pcube Object Name	OID	New MIB	New Object Name	OID
tpHandledPackets RatePeak	1.3.6.1.4.1.5655.4.1.9.1.1.30		Not mapped.	
tpHandledPackets RatePeakTime	1.3.6.1.4.1.5655.4.1.9.1.1.31		Not mapped.	
tpHandledFlowsRate	1.3.6.1.4.1.5655.4.1.9.1.1.32	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpHandledFlowsRate	1.3.6.1.4.1.9.9.634.1.1.1.18
tpHandledFlows RatePeak	1.3.6.1.4.1.5655.4.1.9.1.1.33		Not mapped	
tpHandledFlows RatePeakTime	1.3.6.1.4.1.5655.4.1.9.1.1.34		Not mapped	
tpCpuUtilization	1.3.6.1.4.1.5655.4.1.9.1.1.35	CISCO-PROCESS-MIB	cpmCPUTotal1minRev	1.3.6.1.4.1.9.9.109.1.1.1.1.7
			cpmCPUTotal5minRev	1.3.6.1.4.1.9.9.109.1.1.1.1.8
tpCpuUtilizationPeak	1.3.6.1.4.1.5655.4.1.9.1.1.36		Not mapped	
tpCpuUtilization PeakTime	1.3.6.1.4.1.5655.4.1.9.1.1.37		Not mapped	
tpFlowsCapacity Utilization	1.3.6.1.4.1.5655.4.1.9.1.1.38	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpFlowsCapacity Utilization	1.3.6.1.4.1.9.9.634.1.1.1.19
tpFlowsCapacity UtilizationPeak	1.3.6.1.4.1.5655.4.1.9.1.1.39		Not mapped	
tpFlowsCapacity UtilizationPeakTime	1.3.6.1.4.1.5655.4.1.9.1.1.40		Not mapped	
tpServiceLoss	1.3.6.1.4.1.5655.4.1.9.1.1.41	CISCO-SERVICE-CONTROL-TP-STATS-MIB	cscTpServiceLoss	1.3.6.1.4.1.9.9.634.1.1.1.20

Table A-15   ***pportGrp (1.3.6.1.4.1.5655.4.1.10)***

pcube Object Name	OID	New MIB	New Object Name	OID
pportTable	1.3.6.1.4.1.5655.4.1.10.1	Not mapped	Information provided by ENTITY-MIB	
pportEntry	1.3.6.1.4.1.5655.4.1.10.1.1	Not mapped	Information provided by ENTITY-MIB	
pportModuleIndex	1.3.6.1.4.1.5655.4.1.10.1.1.1	ENTITY-MIB	entPhysicalContainedIn	1.3.6.1.2.1.47.1.1.1.1.4
pportIndex	1.3.6.1.4.1.5655.4.1.10.1.1.2	ENTITY-MIB	Each port is uniquely defined. Index is implied by entPhysicalIndex or ifIndex	1.3.6.1.2.1.47.1.1.1.1.1

Table A-15 *pportGrp (1.3.6.1.4.1.5655.4.1.10) (continued)*

pcube Object Name	OID	New MIB	New Object Name	OID
pportType	1.3.6.1.4.1.5655.4.1.10.1.1.3	RFC1213-MIB	ifType and cevPort Also entPhysicalVendorType can be queried for this value.	1.3.6.1.2.1.2.2.1.3
pportNumTxQueues	1.3.6.1.4.1.5655.4.1.10.1.1.4		Not mapped Information provided by CISCO-QUEUE-MIB cQIfSubqueues	
pportIfIndex	1.3.6.1.4.1.5655.4.1.10.1.1.5		Not mapped ifIndex mapping information provided by entAliasMappingTable.	
pportAdminSpeed	1.3.6.1.4.1.5655.4.1.10.1.1.6		Not mapped	
pportAdminDuplex	1.3.6.1.4.1.5655.4.1.10.1.1.7		Not mapped	
pportOperDuplex	1.3.6.1.4.1.5655.4.1.10.1.1.8		Not mapped	
pportLinkIndex	1.3.6.1.4.1.5655.4.1.10.1.1.9	ENTITY-MIB	entPhysicalIndex Available from ENTITY-MIB container/containee relationship: Chassis contains Slot contains Link contains Port	1.3.6.1.2.1.47.1.1.1.1.1
pportOperStatus	1.3.6.1.4.1.5655.4.1.10.1.1.10	ENTITY-MIB	entPhysicalIndex Defined in ENTITY-STATE-MIB.	1.3.6.1.2.1.47.1.1.1.1.1

Table A-16 *txQueuesGrp (1.3.6.1.4.1.5655.4.1.11)*

pcube Object Name	OID	New MIB	New Object Name	OID
txQueuesTable	1.3.6.1.4.1.5655.4.1.11.1	CISCO-QUEUE-MIB	cQIfTable and cQStatsTable	1.3.6.1.4.1.9.9.37.1.2
txQueuesEntry	1.3.6.1.4.1.5655.4.1.11.1.1	CISCO-QUEUE-MIB	cQStatsEntry	1.3.6.1.4.1.9.9.37.1.2.1
txQueuesModuleIndex	1.3.6.1.4.1.5655.4.1.11.1.1.1		Not mapped	
txQueuesPortIndex	1.3.6.1.4.1.5655.4.1.11.1.1.2	RFC1213-MIB	ifIndex The entry is indexed by ifIndex of IF-MIB	1.3.6.1.2.1.2.2.1.1
txQueuesQueueIndex	1.3.6.1.4.1.5655.4.1.11.1.1.3	CISCO-QUEUE-MIB	cQStatsQNumber	1.3.6.1.4.1.9.9.37.1.2.1.1
txQueuesDescription	1.3.6.1.4.1.5655.4.1.11.1.1.4	CISCO-QUEUE-MIB	cQIfTable.cQifQType	1.3.6.1.4.1.9.9.37.1.1.1.1

Table A-16   *txQueuesGrp (1.3.6.1.4.1.5655.4.1.11) (continued)*

pcube Object Name	OID	New MIB	New Object Name	OID
txQueuesBandwidth	1.3.6.1.4.1.5655.4.1.11.1.1.5	CISCO-QUEUE-MIB	cQStatsBandwidth	1.3.6.1.4.1.9.9.37.1.2.1.5
txQueuesUtilization	1.3.6.1.4.1.5655.4.1.11.1.1.6		Not mapped	
txQueuesUtilizationPeak	1.3.6.1.4.1.5655.4.1.11.1.1.7		Not mapped	
txQueuesUtilizationPeak Time	1.3.6.1.4.1.5655.4.1.11.1.1.8		Not mapped	
txQueuesClearCounters Time	1.3.6.1.4.1.5655.4.1.11.1.1.9		Not mapped	
txQueuesDroppedBytes	1.3.6.1.4.1.5655.4.1.11.1.1.10	CISCO-QUEUE-MIB	cQStatsDiscards This object counts bytes	1.3.6.1.4.1.9.9.37.1.2.1.4

Table A-17   *globalControllerssGrp (1.3.6.1.4.1.5655.4.1.12): all mapped objects mapped to CISCO-SERVICE-CONTROLLER-MIB*

pcube Object Name	OID	New Object Name	OID
globalControllersTable	1.3.6.1.4.1.5655.4.1.12.1	cscGlobalControllersTable	1.3.6.1.4.1.9.9.667.0.1
globalControllersEntry	1.3.6.1.4.1.5655.4.1.12.1.1	cscGlobalControllersEntry	1.3.6.1.4.1.9.9.667.0.1.1
globalControllersModuleIndex	1.3.6.1.4.1.5655.4.1.12.1.1.1	Not mapped Provided by entPhysicalIndex	
globalControllersPortIndex	1.3.6.1.4.1.5655.4.1.12.1.1.2	Not mapped Provided by entityPhyIndex	
globalControllersIndex	1.3.6.1.4.1.5655.4.1.12.1.1.3	cscGlobalControllersId	1.3.6.1.4.1.9.9.667.0.1.1.2
globalControllersDescription	1.3.6.1.4.1.5655.4.1.12.1.1.4	cscGlobalControllersDescription	1.3.6.1.4.1.9.9.667.0.1.1.3
globalControllersBandwidth	1.3.6.1.4.1.5655.4.1.12.1.1.5	cscGlobalControllersBandwidth	1.3.6.1.4.1.9.9.667.0.1.1.5
globalControllersUtilization	1.3.6.1.4.1.5655.4.1.12.1.1.6	cscGlobalControllersUtilization	1.3.6.1.4.1.9.9.667.0.1.1.6
globalControllers UtilizationPeak	1.3.6.1.4.1.5655.4.1.12.1.1.7	Not mapped	
globalControllers UtilizationPeakTime	1.3.6.1.4.1.5655.4.1.12.1.1.8	Not mapped	
globalControllers ClearCountersTime	1.3.6.1.4.1.5655.4.1.12.1.1.9	Not mapped	
globalControllers DroppedBytes	1.3.6.1.4.1.5655.4.1.12.1.1.10	Not mapped	

Table A-18 **trafficCountersGrp (1.3.6.1.4.1.5655.4.1.14): all objects mapped to CISCO-SERVICE-CONTROL-TP-STATS-MIB**

pcube Object Name	OID	New Object Name	OID
trafficCountersTable	1.3.6.1.4.1.5655.4.1.14.1	cscTpStatsTrafficCountersTable	1.3.6.1.4.1.9.9.634.1.2
trafficCountersEntry	1.3.6.1.4.1.5655.4.1.14.1.1	cscTpStatsTrafficCountersEntry	1.3.6.1.4.1.9.9.634.1.2.1
trafficCounterIndex	1.3.6.1.4.1.5655.4.1.14.1.1.1	cscTpStatsTrafficCounterIndex	1.3.6.1.4.1.9.9.634.1.2.1.1
trafficCounterValue	1.3.6.1.4.1.5655.4.1.14.1.1.2	cscTpStatsTrafficCounterValue	1.3.6.1.4.1.9.9.634.1.2.1.2
trafficCounterName	1.3.6.1.4.1.5655.4.1.14.1.1.3	cscTpStatsTrafficCounterName	1.3.6.1.4.1.9.9.634.1.2.1.3
trafficCounterType	1.3.6.1.4.1.5655.4.1.14.1.1.4	cscTpStatsTrafficCounterType	1.3.6.1.4.1.9.9.634.1.2.1.4

Table A-19 **attackGrp (1.3.6.1.4.1.5655.4.1.15): all objects mapped to CISCO-SERVICE-CONTROL-ATTACK-MIB**

pcube Object Name	OID	New Object Name	OID
attackTypeTable	1.3.6.1.4.1.5655.4.1.15.1	cscaTypeTable	1.3.6.1.4.1.9.9.693.1.2
attackTypeEntry	1.3.6.1.4.1.5655.4.1.15.1.1	cscaTypeEntry	1.3.6.1.4.1.9.9.693.1.2.1
attackTypeIndex	1.3.6.1.4.1.5655.4.1.15.1.1.1	cscaTypeIndex	1.3.6.1.4.1.9.9.693.1.2.1.1
attackTypeName	1.3.6.1.4.1.5655.4.1.15.1.1.2	not mapped	
attackTypeCurrentNumAttacks	1.3.6.1.4.1.5655.4.1.15.1.1.3	cscaTypeCurrentNumAttacks	1.3.6.1.4.1.9.9.693.1.2.1.2
attackTypeTotalNumAttacks	1.3.6.1.4.1.5655.4.1.15.1.1.4	cscaTypeTotalNumAttacks	1.3.6.1.4.1.9.9.693.1.2.1.3
attackTypeTotalNumFlows	1.3.6.1.4.1.5655.4.1.15.1.1.5	cscaTypeTotalNumFlows	1.3.6.1.4.1.9.9.693.1.2.1.4
attackTypeTotalNumSeconds	1.3.6.1.4.1.5655.4.1.15.1.1.6	cscaTypeTotalNumSeconds	1.3.6.1.4.1.9.9.693.1.2.1.5
New Objects at this MIB - Used For TRAPS			
		cscaType	1.3.6.1.4.1.9.9.693.1.1.1
		cscaSourceAddressType	1.3.6.1.4.1.9.9.693.1.1.2
		cscaSourceAddress	1.3.6.1.4.1.9.9.693.1.1.3
		cscaDestinationAddressType	1.3.6.1.4.1.9.9.693.1.1.4
		cscaDestinationAddress	1.3.6.1.4.1.9.9.693.1.1.5
		cscaDestinationPort	1.3.6.1.4.1.9.9.693.1.1.6
		cscaFilterStatus	1.3.6.1.4.1.9.9.693.1.1.7

Table A-20   PCUBE SeEvents (1.3.6.1.4.1.5655.4.0)

pcube Object Name	OID	New MIB	New Object Name	OID
operationalStatus OperationalTrap	1.3.6.1.4.1.5655.4.0.1	CISCO-ENTITY-FRU-CONTROL-MIB	cefcModuleOperStatus = oper_ok	1.3.6.1.4.1.9.9.117.2.0.1
operationalStatus WarningTrap	1.3.6.1.4.1.5655.4.0.2	CISCO-ENTITY-FRU-CONTROL-MIB	cefcModuleOperStatus = ok_but_diag_failed	1.3.6.1.4.1.9.9.117.2.0.1
operationalStatusFailure Trap	1.3.6.1.4.1.5655.4.0.3	CISCO-ENTITY-FRU-CONTROL-MIB	cefcModuleOperStatus = failed	1.3.6.1.4.1.9.9.117.2.0.1
systemResetTrap	1.3.6.1.4.1.5655.4.0.4	CISCO-ENTITY-FRU-CONTROL-MIB	cefcPowerStatusChange cefcFRUPowerOperStatus =off_env_other(1) cefcFRUPowerAdminStatus =power_on(1)	1.3.6.1.4.1.9.9.117.2.0.2
chassisTempAlarmOn Trap	1.3.6.1.4.1.5655.4.0.5	CISCO-ENTITY-SENSOR-MIB	entSensorThresholdNotification entSensorThresholdValue =1 entSensorValue =1	1.3.6.1.4.1.9.9.91.2.0.1
chassisTempAlarmOff Trap	1.3.6.1.4.1.5655.4.0.6	CISCO-ENTITY-SENSOR-MIB	entSensorThresholdNotification entSensorThresholdValue =0 entSensorValue =0	1.3.6.1.4.1.9.9.91.2.0.1
chassisVoltageAlarmOn Trap	1.3.6.1.4.1.5655.4.0.7	CISCO-ENTITY-SENSOR-MIB	entSensorThresholdNotification entSensorThresholdValue =1 entSensorValue =1	1.3.6.1.4.1.9.9.91.2.0.1
chassisFansAlarmOn Trap	1.3.6.1.4.1.5655.4.0.8	CISCO-ENTITY-FRU-CONTROL-MIB	cefcFanTrayStatusChange This trap is sent only when the fan tray is removed.	1.3.6.1.4.1.9.9.117.2.0.6
chassisPowerSupply AlarmOnTrap	1.3.6.1.4.1.5655.4.0.9	CISCO-ENTITY-FRU-CONTROL-MIB	cefcPowerSupplyOutputChange Trap functions as follows: • Unplug power cord from SCE platform—trap sent • Plug power cord into SCE platform—trap not sent • Remove a PSU—trap sent • Insert a PSU—trap not sent	1.3.6.1.4.1.9.9.117.2.0.7

Table A-20   PCUBE SeEvents (1.3.6.1.4.1.5655.4.0) (continued)

pcube Object Name	OID	New MIB	New Object Name	OID
rdrActiveConnection Trap	1.3.6.1.4.1.5655.4.0.10	CISCO-SERVICE-CONTROL-RDR-MIB	cServiceControlRdrActiveConnectionTrap	1.3.6.1.4.1.9.9.637.0.5
rdrNoActiveConnection Trap	1.3.6.1.4.1.5655.4.0.11	CISCO-SERVICE-CONTROL-RDR-MIB	cServiceControlRdrNoActiveConnection Trap	1.3.6.1.4.1.9.9.637.0.3
rdrConnectionUpTrap	1.3.6.1.4.1.5655.4.0.12	CISCO-SERVICE-CONTROL-RDR-MIB	cServiceControlRdrConnectionStatus UpTrap	1.3.6.1.4.1.9.9.637.0.6
rdrConnectionDown Trap	1.3.6.1.4.1.5655.4.0.13	CISCO-SERVICE-CONTROL-RDR-MIB	cServiceControlRdrConnectionStatusDow nTrap	1.3.6.1.4.1.9.9.637.0.4
telnetSessionStartedTrap	1.3.6.1.4.1.5655.4.0.14	CISCO-TELNET-SERVER-MIB	ctsSessionStarted	1.3.6.1.4.1.9.9.630.0.2
telnetSessionEndedTrap	1.3.6.1.4.1.5655.4.0.15	CISCO-TELNET-SERVER-MIB	ctsSessionEnded	1.3.6.1.4.1.9.9.630.0.1
telnetSessionDenied AccessTrap	1.3.6.1.4.1.5655.4.0.16	CISCO-TELNET-SERVER-MIB	ctsSessionDenied	1.3.6.1.4.1.9.9.630.0.3
telnetSessionBadLogin Trap	1.3.6.1.4.1.5655.4.0.17	CISCO-TELNET-SERVER-MIB	ctsSessionLoginFailure	1.3.6.1.4.1.9.9.630.0.4
loggerUserLogIsFull Trap	1.3.6.1.4.1.5655.4.0.18	CISCO-ENTITY-ALARM-MIB	ceAlarmAsserted/ ceAlarmCleared	1.3.6.1.4.1.9.9.138.2.0.1/ 1.3.6.1.4.1.9.9.138.2.0.2
sntpClockDriftWarnTrap	1.3.6.1.4.1.5655.4.0.19	CISCO-ENTITY-ALARM-MIB	ceAlarmAsserted/ ceAlarmCleared	1.3.6.1.4.1.9.9.138.2.0.1/ 1.3.6.1.4.1.9.9.138.2.0.2
linkModeBypassTrap	1.3.6.1.4.1.5655.4.0.20	CISCO-SERVICE-CONTROL-LINK-MIB	cServiceControlLinkModeChangeTrap	1.3.6.1.4.1.9.9.631.0.1
linkModeForwarding Trap	1.3.6.1.4.1.5655.4.0.21	CISCO-SERVICE-CONTROL-LINK-MIB	cServiceControlLinkModeChangeTrap	1.3.6.1.4.1.9.9.631.0.1
linkModeCutoffTrap	1.3.6.1.4.1.5655.4.0.22	CISCO-SERVICE-CONTROL-LINK-MIB	cServiceControlLinkModeChangeTrap	1.3.6.1.4.1.9.9.631.0.1
moduleAttackFilter ActivatedTrap	1.3.6.1.4.1.5655.4.0.25	CISCO-SERVICE-CONTROL-ATTACK-MIB	cscaFilterChange	1.3.6.1.4.1.9.9.693.0.1
moduleAttackFilter DeactivatedTrap	1.3.6.1.4.1.5655.4.0.26	CISCO-SERVICE-CONTROL-ATTACK-MIB	cscaFilterChange	1.3.6.1.4.1.9.9.693.0.1
moduleEmAgentGeneric Trap	1.3.6.1.4.1.5655.4.0.27		Not mapped	

Table A-20   PCUBE SeEvents (1.3.6.1.4.1.5655.4.0) (continued)

pcube Object Name	OID	New MIB	New Object Name	OID
linkModeSniffingTrap	1.3.6.1.4.1.5655.4.0.28	CISCO-SERVICE-CONTROL-LINK-MIB	cServiceControlLinkModeChangeTrap	1.3.6.1.4.1.9.9.631.0.1
moduleRedundancy ReadyTrap	1.3.6.1.4.1.5655.4.0.29	CISCO-ENTITY-REDUNDANCY-MIB	ceRedunProtectStatusChange ceRedunMbrStatusCurrent=protection_provided(0x10)	1.3.6.1.4.1.9.9.498.0.2
moduleRedundant ConfigurationMismatch Trap	1.3.6.1.4.1.5655.4.0.30	CISCO-ENTITY-REDUNDANCY-MIB	ceRedunProtectStatusChange ceRedunMbrStatusCurrent=failure(0x40)	1.3.6.1.4.1.9.9.498.0.2
moduleLostRedundancy Trap	1.3.6.1.4.1.5655.4.0.31	CISCO-ENTITY-REDUNDANCY-MIB	ceRedunProtectStatusChange ceRedunMbrStatusCurrent=protection_lock_out(0x0)	1.3.6.1.4.1.9.9.498.0.2
moduleSmConnection DownTrap	1.3.6.1.4.1.5655.4.0.32	CISCO-ENTITY-ALARM-MIB	ceAlarmAsserted/ ceAlarmCleared	1.3.6.1.4.1.9.9.138.2.0.1/ 1.3.6.1.4.1.9.9.138.2.0.2
moduleSmConnection UpTrap	1.3.6.1.4.1.5655.4.0.33	CISCO-ENTITY-ALARM-MIB	ceAlarmAsserted/ ceAlarmCleared	1.3.6.1.4.1.9.9.138.2.0.1/ 1.3.6.1.4.1.9.9.138.2.0.2
moduleOperStatus ChangeTrap	1.3.6.1.4.1.5655.4.0.34	CISCO-ENTITY-FRU-CONTROL-MIB	Not mapped	1.3.6.1.4.1.9.9.117.2.0.1
portOperStatusChange Trap	1.3.6.1.4.1.5655.4.0.35	CISCO-ENTITY-FRU-CONTROL-MIB	entStateOperEnabled or entStateOperDisabled	1.3.6.1.4.1.9.9.117.2.0.1
chassisLineFeedAlarm OnTrap	1.3.6.1.4.1.5655.4.0.36	CISCO-ENTITY-FRU-CONTROL-MIB	cefcPowerStatusChange cefcFRUPowerOperStatus =off_env_power(5) cefcFRUPowerAdminStatus =power_on(1)	1.3.6.1.4.1.9.9.117.2.0.2
rdrFormatterCategory DiscardingReportsTrap	1.3.6.1.4.1.5655.4.0.37	CISCO-SERVICE-CONTROL-RDR-MIB	cServiceControlRdrCategoryDiscarding ReportsTrap	1.3.6.1.4.1.9.9.637.0.2
rdrFormatterCategory StoppedDiscarding ReportsTrap	1.3.6.1.4.1.5655.4.0.38	CISCO-SERVICE-CONTROL-RDR-MIB	cServiceControlRdrCategoryStopped DiscardingReportsTrap	1.3.6.1.4.1.9.9.637.0.1
sessionStartedTrap	1.3.6.1.4.1.5655.4.0.39	CISCO-SECURE-SHELL-MIB	cssSessionStartedTrap	1.3.6.1.4.1.9.9.339.0.3
sessionEndedTrap	1.3.6.1.4.1.5655.4.0.40	CISCO-SECURE-SHELL-MIB	cssSessionEndedTrap	1.3.6.1.4.1.9.9.339.0.1

Table A-20   PCUBE SeEvents (1.3.6.1.4.1.5655.4.0) (continued)

pcube Object Name	OID	New MIB	New Object Name	OID
sessionDeniedAccess Trap	1.3.6.1.4.1.5655.4.0.41	CISCO-SECURE-SHELL-MIB	cssSessionDeniedTrap	1.3.6.1.4.1.9.9.339.0.2
sessionBadLoginTrap	1.3.6.1.4.1.5655.4.0.42	CISCO-SECURE-SHELL-MIB	cssSessionDeniedTrap cssSessionDeniedReason	1.3.6.1.4.1.9.9.339.0.2 1.3.6.1.4.1.9.9.339.1.3.2.1.4
illegalSubscriber MappingTrap	1.3.6.1.4.1.5655.4.0.43	CISCO-SERVICE-CONTROL-SUBSCRIBER-MIB	cServiceControlSubscriberMappingTrap	1.3.6.1.4.1.9.9.628.0.1
loggerLineAttackLog FullTrap	1.3.6.1.4.1.5655.4.0.44	CISCO-ENTITY-ALARM-MIB	ceAlarmAsserted/ ceAlarmCleared	1.3.6.1.4.1.9.9.138.2.0.1/ 1.3.6.1.4.1.9.9.138.2.0.2
pullRequestNumber	1.3.6.1.4.1.5655.4.0.46		Not mapped	
pullRequestRetryFailed Trap	1.3.6.1.4.1.5655.4.0.47	Not mapped	For SM connection issues the following notification can be used: ceAlarmAsserted ceAlarmCleared	For SM connection issues the following OIDs can be used: 1.3.6.1.4.1.9.9.138.2.0.1 1.3.6.1.4.1.9.9.138.2.0.2
mplsVpnTotalHW MappingsThreshold ExceededTrap	1.3.6.1.4.1.5655.4.0.48	CISCO-ENTITY-ALARM-MIB	ceAlarmAsserted/ ceAlarmCleared	1.3.6.1.4.1.9.9.138.2.0.1/ 1.3.6.1.4.1.9.9.138.2.0.2

Note   applicationGrp (1.3.6.1.4.1.5655.4.1.13) is not mapped to a current MIB.

Table A-21   pcubeEnageMIB 1.3.6.1.4.1.5655.4.2

pcube Object Name	OID	Corresponding RDR	Objects not mapped	OID
linkGrp	1.3.6.1.4.1.5655.4.2.2	Link Usage RDRs or the RPT_LUR DB table	linkServiceUpDroppedPackets linkServiceDownDroppedPackets linkServiceUpDroppedBytes	1.3.6.1.4.1.5655.4.2.2
packageGrp	1.3.6.1.4.1.5655.4.2.3	Package Usage RDRs or the RPT_PUR DB table	packageServiceUpDroppedPackets packageServiceDownDroppedPackets packageServiceUpDroppedBytes	1.3.6.1.4.1.5655.4.2.3

Table A-21   *pcubeEnageMIB 1.3.6.1.4.1.5655.4.2 (continued)*

pcube Object Name	OID	Corresponding RDR	Objects not mapped	OID
subscriberGrp	1.3.6.1.4.1.5655.4.2.4	Subscriber Usage RDRs	none	1.3.6.1.4.1.5655.4.2.4
serviceCounterGrp	1.3.6.1.4.1.5655.4.2.5	Service Configuration API or the INI_VALUES DB table	none	1.3.6.1.4.1.5655.4.2.5

Cisco SCE Platform-Specific MIB Information

This section contains definitions that are specific to the SCE platforms for certain standard and Cisco MIB objects.

CISCO-ENTITY-ALARM-MIB

ceAlarmDescrSeverity (integer)

ceAlarmDescrSeverity.1.1—3

ceAlarmDescrSeverity.1.2—3

ceAlarmDescrSeverity.1.3—2

ceAlarmDescrSeverity.1.4—4

ceAlarmDescrSeverity.1.5—3

ceAlarmDescrSeverity.1.6—3

ceAlarmDescrSeverity.1.7—3

ceAlarmDescrText (octet string)

ceAlarmDescrText.1.1—Logger user log is full

ceAlarmDescrText.1.2—Sntp clock drift warn

ceAlarmDescrText.1.3— Module sm connection down

ceAlarmDescrText.1.4—Module sm connection up

ceAlarmDescrText.1.5—Logger line attack log full

ceAlarmDescrText.1.6—External bypass device isn't connected

ceAlarmDescrText.1.7—External bypass device is connected

MIB Updates

Release 3.5.5 MIB Updates

The definitions of the following MIB objects have been updated, but the updated definitions may not yet appear in the online MIB.

CISCO-SERVICE-CONTROL-TP-STATS-MIB

cscTpServiceLoss

The average service loss **per second in the last minute** (or since the last time the TP counters were cleared) in a traffic Processor, in units of 0.001%.

The service loss is computed as the relative amount of traffic which was bypassed by the SCE from one side to another without being serviced due to lack of resources (either CPU or memory).

In previous versions, it indicated the service loss **since last reboot** or last time the counters were cleared.

Release 3.6.0 MIB Updates

CISCO-PROCESSOR-MIB

cpmCPUTotalTable

Previous to SCOS Release 3.6.0, the cpmCPUTotalTable provided information only on the traffic processors. Starting in SCOS Release 3.6.0, the cpmCPUTotalTable provides statistics about the control processor as well as the traffic processors.

ENTITY-MIB

In SCOS Release 3.6.0, the following hardware entities were added to the ENTITY-MIB:

- Second SCE8000-SCM module in slot 2.
- Control processor

Index Changes

In SCOS Release 3.6.0, for the following objects, the index was changed from blade index to chassis index:

MIB tables:

- cisco-service-control-attack-mib
    - cscaTypeTable
    - cscaInfoTable
- cisco-service-control-rdr-mib
    - rdrDestTable
    - rdrCategoryTable
    - rdrFormatterTable
    - rdrCategoryDest
- cisco-service-control-subscriber-mib
    - subscriberTable
    - subscriberInfoTable
- cisco-service-control-tp-stats-mib
    - tpStatsTrafficCounterTable
- entity-state-mib
    - entityStateTable

Traps

- rdr-active-connection
- rdr-no-active-connection
- rdr-connection-up
- rdr-connection-down
- rdr-formatterCategoryDisacard
- rdrCategoryStoppedDiscard
- userlogFull
- userLogNotFull
- lineAttackLog
- SmConnectionDown
- SmConnectionUp
- illegalSubscriberMapping
- PowerStatusChange
- warningStatusChange
- failureStatusChange
- SipAttack

Release 3.6.5 MIB Updates

Temperature Sensor Traps Updated

In SCOS Release 3.6.5, the following changes were made in the traps related to the CISCO-ENTITY-SENSOR MIB, entSensorThresholdNotification (OID 1.3.6.1.4.1.9.9.91.2.0.1):

- Traps will be sent for the entity corresponding to the FRU that actually violated the threshold.

  Previously all temperature sensor traps were from the FAN entity.

- Only one trap will be sent that indicates both the current value as well as the threshold value of the component within the FRU that is responsible for the threshold violation or conformance.

  Previously there were two traps (on and off), and there was no indication of the actual current value or the threshold.

- The trap will also identify the component within the FRU that is associated with the threshold violation or conformance.

Note CISCO-ENTITY-SENSOR MIB is read-only. Thresholds are internally defined and cannot be changed.

Note Temperature reported for the entities (FRUs) are a normalized temperature since there is no single temperature reading for an entire FRU.

Release 3.7.0 MIB Updates

SNMP Support for Aggregative Global Controllers

In Release 3.7.0, the CISCO-SERVICE-CONTROLLER-MIB has been expanded to provide information regarding the Aggregative Global Controllers. The following tables have been added to the CISCO-SERVICE-CONTROLLER-MIB:

- cscAggregativeGlobalControllersTable
- cscAggregativeGlobalControllersLinkTable

You can display the contents of the Aggregative Global Controllers MIB using the following command:

show interface LineCard 0 aggregative-global-controllers side (subscriber | network) agc *agc-id*

Note For a complete description of the CISCO-SERVICE-CONTROLLER-MIB, see CISCO-SERVICE-CONTROLLER-MIB.

linkUp and linkDown Notification Traps

In SCOS Release 3.7.0, the ifDescr varbind has been added to the linkUp and linkDown traps, which provide the description of the link that is either in the down state or some other state (as indicated by ifOperStatus).

The linkUp and linkDown notification traps related to IF-MIB have the following variable bindings (varbinds):

- ifIndex--Represents the index value of the interface.

- ifAdminStatus--Represents the desired state of the interface.

- ifOperStatus--Represents the current operational state of the interface.

Cisco SCE 8000 supports the linkUp/linkDown trap only on management ports. If there is a change to the management-port state, Cisco SCE 8000 sends two traps—one linkUp/linkDown trap and one entStateOperEnabled/entStateOperDisabled trap. But if there is a change to the traffic-port state, Cisco SCE 8000 sends only the entStateOperEnabled/entStateOperDisabled trap.

MIB Updates