



# CHAPTER 1

## Fabric Manager Server Database Schema

---

### Overview

The Fabric Manager Server database is a repository for data used by the Cisco MDS 9000 Family Fabric Manager applications, which include Fabric Manger, Performance Manager, and Device Manager. Performance Manger uses the data to generate reports.

The Fabric Manager Server database can also be used by third-party report generation tools to create custom reports. You can use the Structured Query Language (SQL) database schema definitions described in this document to access the database. The SQL schema definition file, `dbname.script`, can be found in the `MDS 9000\bin` directory on the computer where Fabric Manager was installed.



#### Caution

---

Once you connect to the Fabric Manager Server database you will be able to modify values in it. Modifying some of these values may corrupt the database. Therefore, we suggest that you only read values from the database.

---

The schema tables are described in two sections:

- [Related Fabric Manager Server Database Schema Tables](#)
- [Individual Fabric Manager Server Database Schema Tables](#)

### Related Fabric Manager Server Database Schema Tables

The tables in the Fabric Manager Server schema are grouped by related functions in the following sections:

- [Switch Management Tables](#)
- [Enclosure Tables](#)
- [Fabric Tables](#)
- [Network Management Tables](#)
- [Performance Manager Tables](#)
- [Cisco Traffic Analyzer Tables](#)
- [User Access Control Tables](#)
- [Configuration Backup Tables](#)
- [Storage Media Encryption Tables](#)

**[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)**

- [LAN Tables](#)

## Switch Management Tables

The schema tables that relate to switch management are described in [Table 1-1](#).

**Table 1-1**      **Switch Management Tables**

Table Name	Description
<a href="#">SWITCH</a>	Provides the sWWN and fabric ID for a switch. Use the FABRIC_ID to associate each switch to a fabric in the FABRIC table.
<a href="#">SWITCH_MGMT_ADDRESS</a>	Provides the switch management port IP address. Use the SWITCH_ID to associate each entry to a switch in the SWITCH table.
<a href="#">SWITCH_PORT</a>	Associates an SNMP ifIndex and pWWN to a port. Use the SWITCH_ID to associate each entry to a switch in the SWITCH table.
<a href="#">LICENSE</a>	Describes licenses configured and in use in a switch. Use the SWITCH_ID to associate each entry to a switch in the SWITCH table.
<a href="#">HW_COMPONENT</a>	Describes the hardware components of a switch, including the model number, the manufacturer, and the revision. Use the SWITCH_ID to associate each hardware component to a switch in the SWITCH table.
<a href="#">HW_CARD</a>	Provides the power and status indications for a hardware component. Use the HW_COMPONENT_ID to associate each row to a hardware component in the HW_COMPONENT table.
<a href="#">HW_POWER_SUPPLY</a>	Provides the status on power supplies in an enclosure. Use the HW_COMPONENT_ID to associate an entry with a hardware component in the HW_COMPONENT table.
<a href="#">FAILED_ATTEMPTS</a>	Describes a FICON connection to a switch. Use the PORT_ID to associate this FICON connection to a port in the SWITCH_PORT table.
<a href="#">ISL</a>	Describes an ISL that links two ports. Use the PORT1_ID and the PORT2_ID to associate these ports to a port in the SWITCH_PORT table. If this ISL is a PortChannel member, the CHANNEL_ID refers to the parent channel ID.
<a href="#">SCSI_TARGET</a>	Provides the WWN for a SCSI target. Use the ID to associate this SCSI target to a port in the SWITCH_PORT table.

## Enclosure Tables

The schema tables that relate to enclosures are described in [Table 1-2](#).

**Table 1-2**      **Enclosure Tables**

Table Name	Description
<a href="#">ENCLOSURE</a>	Describes an enclosure, which can be a physical or virtual entity.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-2 Enclosure Tables (continued)**

Table Name	Description
<a href="#">HBA</a>	Associates a WWN to a host bus adapter. Use the ENCLOSURE_ID to associate each HBA to an enclosure in the ENCLOSURE table.
<a href="#">END_PORT</a>	Describes an end port within a fabric. Use the FABRIC_ID to associate this end port with a fabric in the FABRIC table. Use the ENCLOSURE_ID to associate this end port with an enclosure in the ENCLOSURE table. Use the HBA_ID to associate this end port with an HBA in the HBA table. Use the PORT_ID to associate this end port with a port in the SWITCH_PORT table.

## Fabric Tables

The schema tables that relate to the fabric are described in [Table 1-3](#).

**Table 1-3 Fabric Tables**

Table Name	Description
<a href="#">FABRIC</a>	Describes a SAN fabric.
<a href="#">VSAN</a>	Describes a VSAN within a fabric. Use the FABRIC_ID to associate this VSAN with a fabric in the FABRIC table.
<a href="#">VSAN_DOMAIN_INFO</a>	Associates a VSAN with a domain on a switch. Use the SWITCH_ID to associate this VSAN and domain with a switch in the SWITCH table.
<a href="#">VSAN_ENDPORT_INFO</a>	Provides the FCID for an end port in a VSAN. Use the VSAN_ID to associate this end port with a VSAN in the VSAN table.
<a href="#">VSAN_ISL_INFO</a>	Provides the status for an ISL in a VSAN. Use the VSAN_ID to associate this ISL with a VSAN in the VSAN table.
<a href="#">ZONE</a>	Describes a zone. Use the IS_IVR to determine if this zone is an IVR zone. If it is an IVR zone, use the PARENT_ID to associate this zone with a fabric in the FABRIC table. Otherwise, use the PARENT_ID to associate this zone with a VSAN in the VSAN table.
<a href="#">ZONE_MEMBER</a>	Describes a member of a zone. Use the ZONE_ID to associate this member with a zone in the ZONE table.
<a href="#">NPV_LINK</a>	Describes the link for Nport virtualization.
<a href="#">VSAN_NPVL_INFO</a>	Provides the NPVL information in a VSAN.
<a href="#">CARD</a>	Describes a card.
<a href="#">DEVICE_ALIAS</a>	Describes the device alias for each logged-in end device.
<a href="#">BASE_SVC_CLUSTER</a>	Describes the SME cluster.
<a href="#">FMSESSION</a>	Describes the active fabric manager user session.

## Network Management Tables

The schema tables that relate to network management are described in [Table 1-4](#).

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-4** Network Management Tables

Table Name	Description
FMUSER	Describes a Fabric Manager user.
GROUPS	Describes a Fabric Manager group within a fabric. Use the FABRIC_ID to associate this group to a fabric in the FABRIC table.
GROUP_FABRIC_INFO	Describes the mapping between the user-defined logical groups and fabrics.
GROUP_MEMBER_INFO	Describes a member of a group. Use the GROUP_ID to associate this member to a group. Use the MEMBER_ID to reference an ID in a SWITCH or END_PORT table.
SEQUENCE	Describes the current long values for automatically generated IDs.
SNMPUSER	Describes an SNMP user.
SNMP_COMMUNITY	Describes an SNMP community.
SVR_PROP	Describes the user of a fabric.

## Performance Manager Tables

The schema tables that relate to Performance Manager are described in [Table 1-5](#).

**Table 1-5** Performance Manager Tables

Table Name	Description
EVENTS	Describes Performance Manager events. Use the FABRICID to associate this event with a fabric in the FABRIC table. Use the SWITCHID to associate this event with a switch in the SWITCH table.
EVENT_FORWARD	Describes the event-forward configurations.
PMDATAINDEX	Maintains the logical-to-physical mapping of RRD files.
PMEXTRAOID	Defines object IDs and switch IPs for the Performance Manager data collection.
PMINDEXBOOKMARK	Maintains the current bookmark index of the RRD files.
PM_COLLECTION	Describes a Performance Manager collection. Use the FABRIC_ID to associate this collection to a fabric in the FABRIC table.
PM_OPTION	Provides threshold details for a Performance Manager collection. Use the ID to associate these details with a Performance Manager collection in the PM_COLLECTION table.
STATISTICS	Provides statistics gathered for a Performance Manager collection.

## Cisco Traffic Analyzer Tables

The schema tables that relate to Cisco Traffic Analyzer are described in [Table 1-6](#).

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-6** *Cisco Traffic Analyzer Tables*

Table Name	Description
<a href="#">NTOP</a>	Describes a configured NTOP entity.
<a href="#">NTOP_SPAN_INFO</a>	Associates an NTOP entity with a SPAN port. Use the SPAN_PORT_ID to associate an entry with a SPAN port in the SPAN_PORT table.
<a href="#">SPAN_PORT</a>	Describes a SPAN port on a switch. Use the SWITCH_ID to associate this SPAN port to a switch in the SWITCH table.
<a href="#">SPAN_SESSION</a>	Describes a SPAN session. Use the SPAN_PORT_ID to associate this session to a SPAN port in the SPAN_PORT table.
<a href="#">SPAN_SOURCE_PORT</a>	Describes a SPAN source port. Use the SESSION_ID to associate this source port to a SPAN session in the SPAN_SESSION table.

## User Access Control Tables

The schema tables that relate to Cisco User Access are described in [Table 1-7](#).

**Table 1-7** *Cisco User Access Tables*

Table Name	Description
<a href="#">FAILED ATTEMPTS</a>	Describes the number of failed attempts by users.
<a href="#">ROLE</a>	Describes the available role types for each user.
<a href="#">ROLE_FABRIC_INFO</a>	Describes the available role types for each user and fabric.
<a href="#">USERSWITCH_INFO</a>	Describes the available switch user information.
<a href="#">GROUP_USER_INFO</a>	Describes the user group information.

## Configuration Backup Tables

The schema tables that relate to configuration backup are described in [Table 1-8](#).

**Table 1-8** *Configuration Backup Tables*

Table Name	Description
<a href="#">XMLDOCS</a>	Describes the XML files where the configuration information is stored.
<a href="#">CONFIG_FILE</a>	Provides the configuration file where the information is stored.

## Storage Media Encryption Tables

The schema tables that relate to storage media encryption are described in [Table 1-9](#).

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-9 Storage Media Encryption Tables**

Table Name	Description
<a href="#">SME_SETTINGS</a>	Describes the SME settings.
<a href="#">SME_CLUSTER</a>	Describes the SME clusters.
<a href="#">SME_CLUSTER_ATTRIBUTES</a>	Describes the attributes for an SME cluster.
<a href="#">SME_CLUSTER_SMARTCARD</a>	Describes the SME cluster smartcard.
<a href="#">SME_TAPE_GROUP</a>	Describes the SME tape group.
<a href="#">SME_TAPE_VOLUMEGROUP</a>	Describes the SME tape volume group.
<a href="#">SME_KEY</a>	Describes the SME key.
<a href="#">SME_ACCOUNTING_LOG</a>	Describes the SME accounting log.
<a href="#">SME_REPLICATION_REL</a>	Describes the SME replication release.
<a href="#">SME_REPL_PENDING_KEY</a>	Describes the replication pending key for the SME.
<a href="#">SME_REPL_ERROR_KEY</a>	Describes the replication error key for the SME.

## LAN Tables

The schema tables that relate to the LAN are described in [Table 1-9](#).

**Table 1-10 LAN Tables**

Table Name	Description
<a href="#">ETHSWITCH</a>	Describes the ethernet switch of the LAN.
<a href="#">ETHSWITCH_PORT</a>	Describes the ethernet switch port for the LAN.
<a href="#">CDP_SEED</a>	Describes the speed for the CDP.
<a href="#">LAN</a>	Describes the LAN.
<a href="#">ETHSWITCH_PORT_VLAN</a>	Describes the ethernet switch port VLAN.
<a href="#">ETHISL_VLAN</a>	Describes the ethernet isl VLAN.

## Individual Fabric Manager Server Database Schema Tables

The individual schema tables contain the column name, the JDBC SQL data type, and a description. Footnoted after each table are the indexes defined against columns in that table. The following tables are described in this section:

- [CARD \(Deprecated\)](#)
- [ENCLOSURE](#)
- [END\\_PORT](#)
- [EVENTS](#)
- [EVENT\\_FORWARD](#)
- [FABRIC](#)

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

- FAILED\_ATTEMPTS
- FMUSER
- GROUPS
- GROUP\_FABRIC\_INFO
- GROUP\_MEMBER\_INFO
- HBA
- HW\_CARD
- HW\_COMPONENT
- HW\_POWER\_SUPPLY
- ISL
- LICENSE
- NTOP
- NTOP\_SPAN\_INFO
- PMDATAINDEX
- PMEXTRAOID
- PMINDEXBOOKMARK
- PM\_COLLECTION
- PM\_OPTION
- SCSI\_TARGET
- SEQUENCE
- SNMP\_COMMUNITY
- SNMPUSER
- SPAN\_PORT
- SPAN\_SESSION
- SPAN\_SOURCE\_PORT
- STATISTICS
- SWITCH
- SWITCH\_MGMT\_ADDRESS
- SWITCH\_PORT
- SVR\_PROP
- USERFABRIC
- VSAN
- VSAN\_DOMAIN\_INFO
- VSAN\_ENDPORT\_INFO
- VSAN\_ISL\_INFO
- ZONE
- ZONE\_MEMBER

[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)

## BASE\_SVC\_CLUSTER

Table 1-11 describes the cluster configurations in the CLUSTER database schema table.

Table 1-11 *BASE\_SVC\_CLUSTER*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry in the table.
FABRIC_ID <sup>1</sup>	INTEGER		Describes the ID of the parent fabric.
CLUSTER_ID	VARCHAR2(255)		Describes the ID of the cluster.
NAME	VARCHAR2(255)		Describes the name of the cluster.
CLUSTER_TYPE	INTEGER		Describes the cluster type.
STATE	INTEGER		Describes the cluster state.
IS_MASTER	NUMBER(1)		Describes whether this is the master IP.
MASTER_ADDR_TYPE	INTEGER		Describes the master switch address type.
MASTER_ADDR	VARCHAR2(255)		Describes the master switch address.
MASTER_IP	VARCHAR2(255)		Describes the IP address of the master switch.
SWITCH_ID <sup>2</sup>	INTEGER		Describes the ID of the switch.
IS_PRESENT	NUMBER(1)		Indicates whether the end port exists in any of the VSANs.
LAST_UPDATE_TIME	TIMESTAMP		Provides the time when the entry was updated.

1. BASE\_SVC\_CLUSTER\_FABRIC\_ID is an index based on the column FABRIC\_ID.
2. BASE\_SVC\_CLUSTER\_SWITCH\_ID is an index based on the column SWITCH\_ID.

## CARD (Deprecated)



### Note

The CARD Fabric Manager Server database schema table is no longer in use.

## CARD

Table 1-12 describes the card configurations in the CARD database schema table.



***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-12**      **CARD**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry in the table.
CARD_SLOT <sup>1</sup>	INTEGER		Describes the card slot number.
SWITCH_ID <sup>2</sup>	INTEGER		Provides the ID of the switch that generated the event.
NAME	VARCHAR2(256)		Describes the name of the enclosure.
TYPE	INTEGER		Describes the type of the event.
HW_VERSION	VARCHAR2(256)		Provides the hardware version
SW_VERSION	VARCHAR2(256)		Provides the firmware version.
SERIAL_NUMBER	VARCHAR2(256)		Provides the sequence number assigned to the peer node during manufacturing.
ASSET_ID	VARCHAR2(256)		Provides the asset ID of the hardware component.
LAST_SCAN_TIME	INTEGER		Provides the time when last seen, in milliseconds since 1/1/1970.
LAST_UPDATE_TIME	TIMESTAMP		Provides the time when the entry was updated.
STATUS	INTEGER		Describes the status of the card.
MODEL_NAME	VARCHAR2(256)		Describes the model name of the hardware component.
RESERVE_COL1	VARCHAR2(256)		Deprecated.
RESERVE_COL2	VARCHAR2(256)		Deprecated.

1. CARD\_SWITCH\_ID\_INDEX is an index based on the column SWITCH\_ID.
2. CARD\_SLOT\_INDEX is an index based on the column CARD\_SLOT.

## CONFIG\_FILE

Table 1-13 describes the configuration file information in the CONFIG\_FILE database schema table.

**Table 1-13**      **CONFIG\_FILE**

Column Name	Data Type	Constraints	Description
DOCUMENT_NAME	VARCHAR2(256)	UNIQUE	Describes the name of the configuration file document.
USER_NAME	VARCHAR2(256)	UNIQUE	Provides the username encrypted for security.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-13** CONFIG\_FILE (continued)

Column Name	Data Type	Constraints	Description
CONTENT	CLOB		Describes the configuration files content.
LAST_UPDATE_TIME	TIMESTAMP		Provides the time when the entry was updated.

## DEVICE\_ALIAS

Table 1-14 describes the device alias information in the DEVICE\_ALIAS database schema table.

**Table 1-14** DEVICE\_ALIAS

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry in the table.
FABRIC_ID <sup>1</sup>	INTEGER		Describes the ID of the parent fabric.
CFS_REGION_ID <sup>2</sup>	INTEGER		Describes the ID of the CFS region.
WWN <sup>3</sup>	RAW(8)		Describes the WWN of the end port.
ALIAS	VARCHAR2(256)		Describes the device alias.
LAST_UPDATE_TIME	TIMESTAMP		Provides the time when the entry was updated.
RESERVE_COL1	VARCHAR2(256)		Deprecated.
RESERVE_COL2	VARCHAR2(256)		Deprecated.

1. DEVALIAS\_FABRIC\_ID is an index based on the column FABRIC\_ID.
2. DEVALIAS\_CFS\_REGION\_ID is an index based on the column CFS\_REGION\_ID.
3. DEVALIAS\_WWN\_INDEX is an index based on the column WWN.

## ENCLOSURE

Table 1-15 describes an enclosure, which can be a physical or virtual entity in the ENCLOSURE database schema table.

**Table 1-15** ENCLOSURE

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry.
NAME	VARCHAR2(256)	—	Describes the name of the enclosure.
IS_VIRTUAL	NUMBER1	—	Describes whether the enclosure is virtual.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-15 ENCLOSURE**

Column Name	Data Type	Constraints	Description
ENC_TYPE	INTEGER	—	Describes the type of the enclosure.
OS_INFO	VARCHAR2 (256)	—	Provides the operating system of the enclosure.
IP_ADDRESS	RAW (100)	—	Provides the IP address of the enclosure.
DM_PATH	VARCHAR2 (256)	—	Describes the device manager path of the enclosure.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
LAST_SCAN_TIME	INTEGER	—	Provides the time when last seen, in milliseconds since 1/1/1970.
SAN_ID	INTEGER	—	Deprecated.
VENDOR	VARCHAR2 (256)	—	Deprecated.
MODEL	VARCHAR2 (256)	—	Deprecated.
VERSION	VARCHAR2 (256)	—	Provides the version of the enclosure.
RESERVE_COL1	VARCHAR2 (256)	—	Deprecated.
RESERVE_COL2	VARCHAR2 (256)	—	Deprecated.

## END\_PORT

This table describes an end port within a fabric. Use the FABRIC\_ID to associate this end port with a fabric in the FABRIC table. Use the ENCLOSURE\_ID to associate this end port with an enclosure in the ENCLOSURE table. Use the HBA\_ID to associate this end port with an HBA in the HBA table. Use the PORT\_ID to associate this end port with a port in the SWITCH\_PORT table. [Table 1-16](#) describes the END\_PORT database schema table.

**Table 1-16 END\_PORT**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the primary key of the entity.
FABRIC_ID <sup>1</sup>	INTEGER	—	Describes the ID of the parent fabric.
ENCLOSURE_ID <sup>2</sup>	INTEGER	—	Describes the ID of the enclosure to which the end port belongs.
HBA_ID	INTEGER	—	Describes the ID of the HBA to which the end port belongs.
SWITCH_PORT_ID <sup>3</sup>	INTEGER	—	Describes the ID of the switch port that linked to the end port.
WWN <sup>4</sup>	RAW(8)	—	Provides the WWN of the end port.

**[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)**

**Table 1-16**      **END\_PORT (continued)**

Column Name	Data Type	Constraints	Description
NODE_WWN <sup>5</sup>	RAW(100)	—	Provides the WWN of the node.
FICON_PORT_ADDRESS	RAW(100)	—	Describes the FICON address of the end port.
FLAGS	INTEGER	—	Deprecated.
SYM_PORT_NAME	VARCHAR2(256)	—	Describes the symbolic name of the end port.
SYM_NODE_NAME	VARCHAR2(256)	—	Describes the symbolic name of the parent node.
PORT_IP_ADDR	VARCHAR2(256)	—	Provides the IP address of the parent node.
ALIAS	VARCHAR2(256)	—	Describes the port alias.
IS_PRESENT	NUMBER(1)	—	Describes whether the end port exists in any of the VSANs.
LAST_UPDATE_TIME	TIMESTAMP	—	Describes the time when the entry was updated.
LAST_SCAN_TIME	INTEGER	—	Describes the time when last seen, in milliseconds, since 1/1/1970.
OPER_STATUS_CAUSE	INTEGER	—	Describes if the link is down, the value represents the status. Refer to values for FcIfOperStatusReason in CISCO-FC-FE-MIB.
IF_NAME	VARCHAR2(256)	—	Describes the interface name of the attached switch port.
IS_LOOP	NUMBER(1)	—	Describes whether the link is an arbitrated loop.
FC4_TYPES	RAW(100)	—	Describes the FC4 types of the end port. Refer to values for fcNameServerFC4Type in CISCO-NS-MIB.
FC4_FEATURES	INTEGER	—	Describes the FC4 features of the end port. Refer to values for fcNameServerFC4Features in CISCO-NS-MIB.
NAME	VARCHAR2(256)	—	Describes the logical name of the end port.
VFC_BINDTO	VARCHAR2(256)	—	Describes the VFC (Virtual FC) bind information for end port.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. END\_PORT\_FABRIC\_ID\_INDEX is an index based on the column FABRIC\_ID.
2. END\_PORT\_ENCLOSURE\_ID\_INDEX is an index based on the column ENCLOSURE\_ID.
3. END\_PORT\_SWITCH\_PORT\_ID\_INDEX is an index based on the column SWITCH\_PORT\_ID.
4. END\_PORT\_WWN\_INDEX is an index based on the column WWN.
5. END\_PORT\_NODE\_WWN\_INDEX is an index based on the column NODE\_WWN.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

## EVENTS

This table describes Performance Manager events. Use the FABRICID to associate this event with a fabric in the FABRIC table. Use the SWITCHID to associate this event with a switch in the SWITCH table. [Table 1-17](#) describes the EVENTS database schema table.

**Table 1-17**      **EVENTS**

Column Name	Data Type	Constraints	Description
EVENTID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the event.
HOST_TIME	TIMESTAMP	—	Describes the host time of the event.
SWITCH_TIME	TIMESTAMP	—	Describes the switch time of the event.
TYPE	INTEGER	—	Type of the event. See <a href="#">Table 1-18</a> .
FACILITY	VARCHAR2(20)	—	Describes the facility for syslog.
SEVERITY <sup>1</sup>	INTEGER	—	Describes the severity of the event: 0 = emergency 1 = alert 2 = critical 3 = error 4 = warning 5 = notice 6 = info 7 = debug
SOURCE	VARCHAR2(256)	DEFAULT	Describes the source fabric that generated the event.
DESCR	VARCHAR2(4000)	DEFAULT	Describes the description of the event.
SYSLOGEVENT	VARCHAR2(80)	—	Describes the system log events.
VSANID	INTEGER	DEFAULT	Describes the ID of the VSAN that generated the event.
FABRICID	INTEGER	—	Describes the ID of the fabric that generated the event.
SWITCHID	INTEGER	—	Describes the ID of the switch that generated the event.
SRCID	INTEGER	—	Describes the ID of the source port; applies to Performance Manager events only.
DESTID	INTEGER	—	Describes the ID of the destination port; applies to Performance Manager events only.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. EVENTS\_SEVERITY\_INDEX is an index based on the column SEVERITY.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-18**      ***TYPE Field Description in EVENTS Table***

<b>TYPE</b>	<b>Description</b>
0	other
1	switch discovered
2	switch rebooted
3	switch unreachable
4	switch manageable
5	switch unmanageable
6	switch IP changed
7	VSAN added
8	VSAN unreachable
9	VSAN up
10	VSAN down
11	VSAN merged
12	VSAN segmented
13	zone set changed
14	principal switch changed
15	ISL up
16	ISL unreachable
17	N_Port up
18	N_Port unreachable
19	N_Port moved
20	enclosure added
21	enclosure removed
22	binding denied
23	switch of activity
24	service or process restarted
25	fan tray changed
26	power changed
27	module changed
28	FRU inserted
29	FRU removed
30	zone merged
31	fabric changed
32	fabric opened
33	fabric closed
34	license manager
35	image upgraded

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-18** TYPE Field Description in EVENTS Table (continued)

TYPE	Description
36	VRRP
37	IVR
38	FICON
39	server down
40	threshold exceeded
41	CFS
42	SAN removed
43	fabrics merged
44	fabric split
45	feature
46	FM license violation
47	fabric purged
48	RMON events
49	sensor events

## EVENT\_FORWARD

Table 1-19 describes the event-forward configurations in the EVENT\_FORWARD database schema table.

**Table 1-19** EVENT\_FORWARD

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry.
TYPE	INTEGER	—	Describes the type of the event forward entry: trap = 1 email = 2
FID	INTEGER	—	Describes the ID of the fabric; 0 indicates all fabrics.
VSAN_SCOPE	VARCHAR2( 256)	—	Describes the VSAN scope; for example, “1, 2, 10-14”, or “ALL”.
SEVERITY	INTEGER	—	Describes the severity to trigger the forward action: 0 = emergency 1 = alert 2 = critical 3 = error 4 = warning 5 = notice 6 = info 7 = debug

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-19**      **EVENT\_FORWARD**

Column Name	Data Type	Constraints	Description
ADDRESS	VARCHAR2(256)	—	Describes the address of the event forward.
LAST_UPDATE_TIME	TIMESTAMP	—	Describes the time when the entry was updated.

## ETHSWITCH

Table 1-20 describes the ethernet switch configurations in the ETHSWITCH database schema table.

**Table 1-20**      **Ethernet switch**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry in the table.
LICENSE_ID	INTEGER	—	Describes the ID of the license.
IP_ADDRESS	RAW(100)	—	Describes the IP address of the switch.
TYPE	INTEGER	—	Describes the type of the switch.
MODEL_NAME	VARCHAR2(255)	—	Describes the model name of the hardware component.
IS_MANAGEABLE	NUMBER(1)	—	Describes the manageable switch.
UNMANAGEABLE_CAUSE	VARCHAR2(256)	—	Describes the unmanageable switch and its case.
NUM_PORTS	INTEGER	—	Describes the number port of the switch.
GLOBAL_DEVICE_ID	VARCHAR2(256)	—	Describes the global switch ID.
DEVICE_ID	VARCHAR2(256)	—	Describes the switch ID.
CAPABILITY	RAW(100)	—	Describes the switch capability.
VTP_MGMT_DOMAIN	RAW(1000)	—	Describes the VTV management domain.
VLAN_LIST	VARCHAR2(256)	—	Provides the list of VLANs.
SYS_NAME	VARCHAR2(256)	—	Describes the system name.
SYS_CONTACT	VARCHAR2(256)	—	Describes the system contact.
SYS_LOCATION	VARCHAR2(256)	—	Describes the system location.
SYS_UPTIME	INTEGER,	—	Describes the system uptime.
VERSION	VARCHAR2(256)	—	Provides the version of the switch.
IS_PRESENT	NUMBER(1)	—	Provides an indication of whether the switch exists currently.



***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-20** Ethernet switch (continued)

Column Name	Data Type	Constraints	Description
SERIAL_NUMBER	VARCHAR2(256)	—	Sequence number assigned to the peer node during manufacturing.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
LAST_SCAN_TIME	INTEGER	—	Provides the time when last seen, in milliseconds, since 1/1/1970.
SYS_DESCRIPTION	VARCHAR2(256)	—	Describes the system description.
VENDOR	VARCHAR2(256)	—	Provides the name of the company that manufactured the peer node.
OPER_MODE	INTEGER	—	Operational mode of the link by port type: 1 = auto 2 = F 3 = FL 4 = E 5 = B 6 = FX 7 = SD 8 = TL 9 = N 10 = NL 11 = NX 12 = TE 13 = FV 14 = down 15 = ST

## ETHSWITCH\_PORT

Table 1-21 describes the ethernet switch port configurations in the ETHSWITCH\_PORT database schema table.

**Table 1-21** Ethernet switch Port

Column Name	Data Type	Constraints	Description
ID	ID	NOT NULL PRIMARY KEY	Provides the ID of the entry in the table.
IF_INDEX	INTEGER	—	Describes the index of the Ethernet switch port.
SWITCH_ID	INTEGER	—	Describes the switch ID for each switch port.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-21 Ethernet switch Port (continued)**

Column Name	Data Type	Constraints	Description
STATUS	SMALLINT	—	Describes the status of the switch.
IF_SPEED	INTEGER	—	Describes the speed.
IF_NAME	VARCHAR2(256)	—	Describes the name.
IF_TYPE	INTEGER	—	Describes the type.
IF_DESCR	VARCHAR2(256)	—	Provides the description
IP_ADDR	VARCHAR2(256)	—	Provides the IP address.
MTU	INTEGER	—	Describes the MTU for the ethernet switch.

## CDP\_SEED

Table 1-22 describes the CDP\_SEED configurations in the CDP\_SEED database schema table.

**Table 1-22 CDP SEED**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry in the table.
LAN_ID	INTEGER	—	Describes the LAN ID.
SERIAL_NUMBER	VARCHAR2(256)	—	Sequence number assigned to the peer node during manufacturing.
INET_ADDR	RAW(100)	—	Describes the INET address.
IP_RANGE	VARCHAR2(256)	—	Describes the IP range.
SUBNET	VARCHAR2(256)	—	Describes the subnet.
MASK	VARCHAR2(256)	—	Describes the mask.
CRED_ID	INTEGER	—	Describes the credentation ID.
MAX_HOPS	INTEGER	—	Describes the maximum number of HOPS.
PLATFORM	VARCHAR2(256)	—	Describes the platform.
LAST_UPDATE_TIME	TIMESTAMP	—	Time when the entry was updated.

## LAN

Table 1-23 describes the LAN configurations in the LAN database schema table.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-23 LAN**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry in the table.
LAN_ID	INTEGER	—	Provides the ID of the LAN.
LAN_NAME	VARCHAR2(256)	—	Provides the name of the LAN.
LAST_SCAN_TIME	INTEGER	—	Provides the time when last seen, in milliseconds, since 1/1/1970.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
IS_PERSISTENT	NUMBER(1)	—	Describes whether the LAN is persistent.
IS_MANAGEABLE	NUMBER(1)	—	Describes whether the LAN is manageable.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

## ETHSWITCH\_PORT\_VLAN

Table 1-24 describes the ethernet switch port VLAN configurations in the ETHSWITCH\_PORT\_VLAN database schema table.

**Table 1-24 ETHSWITCH\_PORT\_VLAN**

Column Name	Data Type	Constraints	Description
PORT_ID	INTEGER	NOT NULL PRIMARY KEY	Identifier of the port in the peer node connected to this port. If the peer node is a control unit, this value will be 0. If the peer node is a channel, this value will be the channel path identifier of the channel path that contains the port in the peer node. If the peer node is a fabric, this value will be the port address of the port in peer node. Refer to CISCO-FC-FE-MIB for more information.
VLAN_ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the VLAN.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

**[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)**

## ETHISL\_VLAN

Table 1-25 describes the ethernet isl VLAN configurations in the ETHISL\_VLAN database schema table.

**Table 1-25** ETHISL\_VLAN

Column Name	Data Type	Constraints	Description
ISL_ID	INTEGER	NOT NULL PRIMARY KEY	ID of the ISL
VLAN_ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the VLAN.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

## FABRIC

Table 1-26 describes a SAN fabric in the FABRIC database schema table.

**Table 1-26** FABRIC

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the primary key of the database entry.
SEED_SWITCH_ID <sup>1</sup>	INTEGER	—	Provides the ID of the switch where the fabric discovery originated.
IVR_SEED_SWITCH_ID <sup>2</sup>	INTEGER	—	Provides the ID of the switch where the IVR data originated.
ALIAS_SEED_SWITCH_ID	INTEGER	—	Provides the ID of the alias switch.
LICENSE_ID	INTEGER	—	Deprecated.
IVR_ENF_ZONESET_NAME	VARCHAR2(256)	—	Provides the active IVR zone set name.
IVR_ENF_ZONESET_ACTIVATE_TIME	INTEGER	—	Provides the time in milliseconds when the IVR zone set is activated.
IVR_ACTIVE_ZONESET_CHECKSUM	RAW(100)	—	IVR active zone set checksum.
POLLING_ENABLED	NUMBER(1)	—	Describes the indication of whether the fabric is polled regularly.
POLLING_INTERVAL	INTEGER	—	Provides the fabric polling interval, in seconds.
LAST_SCAN_TIME	INTEGER	—	Provides the time when last seen, in milliseconds, since 1/1/1970.
SNMP_RETRIES	INTEGER	—	Provides the number of SNMP retries.
SNMP_TIMEOUT	INTEGER	—	Provides the SNMP timeout in milliseconds.
FMUSER_ID	INTEGER	—	Deprecated.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-26**      **FABRIC (continued)**

Column Name	Data Type	Constraints	Description
NAME	VARCHAR2(256)	—	Describes name of the fabric.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
SAN_ID	INTEGER	—	Provides the ID of the parent SAN.
FID	INTEGER	—	Provides the ID of the fabric.
IS_PERSISTENT	NUMBER(1)	—	Indicates whether continuous monitoring is enabled.
ON_DEMAND_POLL_FREQ	INTEGER	—	On-demand polling interval for fabric discovery, in seconds.
IVR_TOPO_CFG_CHECKSUM	RAW(100)	—	Deprecated.
IVR_TOPO_ACT_CHECKSUM	RAW(100)	—	Deprecated.
IVR_TOPO_AFID_CFG_CHECKSUM	RAW(100)	—	Deprecated.
IVR_TOPO_DEF_AFID_CHECKSUM	RAW(100)	—	Deprecated.
IVR_TOPO_VALIDATED	NUMBER(1)	—	Deprecated.
USE_GLOBAL_ALIAS	NUMBER(1)	—	Indicates whether the fabric is set to use the global alias.
IS_MANAGEABLE	NUMBER(1)	—	Describes whether the fabric is manageable.
DEVICE_ALIAS_SEED_ID <sup>3</sup>	INTEGER	—	Describes the ID of the device alias seed.
DEVICE_ALIAS_CHECKSUM	RAW(100)	—	Describes the checksum for device alias database in the fabric.
VSANS_INCLUDED	VARCHAR2(256)	—	Describes the VSANs included from the fabric.
VSANS_EXCLUDED	VARCHAR2(256)	—	Describes the VSANs excluded from the fabric.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. FABRIC\_SEED\_SWITCH\_ID is an index based on the column SEED\_SWITCH\_ID.
2. FABRIC\_IVR\_SEED\_SWITCH\_ID is an index based on the column IVR\_SEED\_SWITCH\_ID.
3. FABRIC\_DEVICE\_ALIAS\_SEED\_ID is an index based on the column DEVICE\_ALIAS\_SEED\_ID.

## FAILED ATTEMPTS

This table describes the number of failed attempts by users. [Table 1-27](#) describes the FAILED\_ATTEMPTS database schema table.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-27**      **FAILED ATTEMPTS**

Column Name	Data Type	Constraints	Description
USER_NAME <sup>1</sup>	VARCHAR2(256)	PRIMARY KEY	Provides the username encrypted for security.
FAILED_ATTEMPT_T_TIME	INTEGER	PRIMARY KEY	Describes the failed attempt time of each user.

1. FAILED\_ATTEMPTS\_INDEX is an index based on the column USER\_NAME.

## FICON\_INFO

This table describes a FICON connection to a switch. Use the PORT\_ID to associate this FICON connection to a port in the SWITCH\_PORT table. [Table 1-28](#) describes the FICON\_INFO database schema table.

**Table 1-28**      **FICON\_INFO**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the interface ID.
VENDOR	VARCHAR2(256)	—	Provides the name of the company that manufactured the peer node.
TYPE_NUM	VARCHAR2(256)	—	Provides the type number of the peer node.
MODEL_NUM	VARCHAR2(256)	—	Provides the model number of the peer node.
SERIAL_NUM	VARCHAR2(256)	—	Provides the sequence number assigned to the peer node during manufacturing.
PORT_ID <sup>1</sup>	VARCHAR2(256)	—	Provides the identifier of the port in the peer node connected to this port. If the peer node is a control unit, this value will be 0. If the peer node is a channel, this value will be the channel path identifier of the channel path that contains the port in the peer node. If the peer node is a fabric, this value will be the port address of the port in peer node. Refer to CISCO-FC-FE-MIB for more information.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
RESERVE_COL1	VARCHAR	—	Deprecated.
RESERVE_COL2	VARCHAR	—	Deprecated.

1. FICON\_PORT\_ID\_INDEX is an index based on the column PORT\_ID.

[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)

## FMUSER

This table describes a Fabric Manager user. [Table 1-29](#) describes the FMUSER database schema table.

**Table 1-29** *FMUSER*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the Fabric Manager user.
USER_NAME <sup>1</sup>	VARCHAR2(256)	—	Provides the username encrypted for security.
AUTH_PASSWORD	VARCHAR2(256)	—	Provides the authentication password encrypted for security.
ROLE_NAME	VARCHAR2(256)	—	Describes the User role name; can be either network administrator or operator.
IS_LOGGING_IN	NUMBER(1)	—	Provides the login status of the user.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

1. FMUSER\_USERNAME\_INDEX is an index based on the column USER\_NAME.

## FMSESSION

This table describes the Fabric Manager user session. [Table 1-30](#) describes the FMSESSION database schema table.

**Table 1-30** *FMSESSION*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Specifies the ID of the entry in the table.
SERVER_ID	INTEGER	NOT NULL PRIMARY KEY	Describes the server ID of the Fabric Manager session.
CLIENT	VARCHAR2(80)	NOT NULL	Describes the client in the Fabric Manager session.
IS_LOCAL	NUMBER(1)	NOT NULL	Describes whether the Fabric Manager session is local.
USER_NAME	VARCHAR2(80)	NOT NULL	Describes the username.
AUTH_PASSWORD	VARCHAR2(80)	NOT NULL	Specifies the password of the Fabric Manager session user.
ROLE_NAME	VARCHAR2(80)	NOT NULL	Specifies the user role name; can be either network administrator or operator.
LOGIN_TIME	TIMESTAMP	NOT NULL	Describes the last login by a user.
LAST_ACCESS_TIME	TIMESTAMP	NOT NULL	Describes the last access time of the user.

[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)

## GROUPS

This table describes a Fabric Manager group within a fabric. Use the FABRIC\_ID to associate this group to a fabric in the FABRIC table. [Table 1-31](#) describes the GROUPS database schema table.

**Table 1-31**      **GROUPS**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the group.
FABRIC_ID <sup>1</sup>	INTEGER	—	Provides the ID of the fabric to which the group belongs.
NAME <sup>1</sup>	VARCHAR2( 256)	—	Describes the name of the group.
TYPE	INTEGER	—	Type of the group: 1 = switch 2 = end port
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

1. GROUP\_FABRICID\_NAME\_INDEX is an index based on the columns FABRIC\_ID and NAME.

## GROUP\_FABRIC\_INFO

This table describes the mapping between the user-defined logical groups and fabrics. [Table 1-32](#) describes the GROUP\_FABRIC\_INFO database schema table.

**Table 1-32**      **GROUP\_FABRIC\_INFO**

Column Name	Data Type	Constraints	Description
GROUP_ID <sup>1</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the group.
FABRIC_ID <sup>2</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the fabric to which the group belongs.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

1. GROUP\_FABRIC\_GROUP\_ID is an index based on the column GROUP\_ID.

2. GROUP\_FABRIC\_FABRIC\_ID is an index based on the column FABRIC\_ID.

## GROUP\_MEMBER\_INFO

This table describes a member of a group. Use the GROUP\_ID to associate this member to a group. Use the MEMBER\_ID to reference an ID in a SWITCH or END\_PORT table. [Table 1-33](#) describes the GROUP\_MEMBER\_INFO database schema table.



***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-33**      **GROUP\_MEMBER\_INFO**

Column Name	Data Type	Constraints	Description
GROUP_ID <sup>1</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the group.
MEMBER_ID <sup>2</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the group member, which is a switch or an end port ID.
TYPE	INTEGER	—	Describes the type of the group member: 1 = switch 2 = end port
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

1. GROUP\_MEMBER\_GROUP\_ID is an index based on the column GROUP\_ID.
2. GROUP\_MEMBER\_MEMBER\_ID is an index based on the column MEMBER\_ID.

## GROUP\_USER\_INFO

This table describes a user of a group. [Table 1-34](#) describes the GROUP\_MEMBER\_INFO database schema table.

**Table 1-34**      **GROUP\_USER\_INFO**

Column Name	Data Type	Constraints	Description
GROUP_ID <sup>1</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the group.
FMUSER_ID <sup>2</sup>	INTEGER	NOT NULL PRIMARY KEY	Describes the Fabric Manager user ID for each user.
LAST_UPDATE_TIME	TIMESTAMP		Provides the time when the entry was updated.

1. GROUP\_USER\_GROUP\_ID is an index based on the column GROUP\_ID.
2. GROUP\_USER\_FMSUER\_ID is an index based on the column FMUSER\_ID.

## HBA

This table associates a WWN to a host bus adapter. Use the ENCLOSURE\_ID to associate each HBA to an enclosure in the ENCLOSURE table. [Table 1-35](#) describes the HBA database schema table.

**Table 1-35**      **HBA**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the HBA.
ENCLOSURE_ID <sup>1</sup>	INTEGER	—	Provides the ID of the parent enclosure.
HWWN <sup>2</sup>	RAW(8)	—	Describes the HBA WWN, one of its port WWNs.
NWWN <sup>3</sup>	RAW(8)	—	Describes the node WWN.
TYPE	SMALLINT	—	Deprecated.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-35 HBA (continued)**

Column Name	Data Type	Constraints	Description
MANUFACTURER	VARCHAR2(256)	—	Provides the manufacturer name.
SERIAL_NUMBER	VARCHAR2(256)	—	Provides the serial number of the HBA.
MODEL	VARCHAR2(256)	—	Provides the model of the HBA.
MODEL_DESCRIPTION	VARCHAR2(256)	—	Provides the model description of the HBA.
HW_VERSION	VARCHAR2(256)	—	Provides the hardware version.
SW_VERSION	VARCHAR2(256)	—	Provides the firmware version.
DRIVER_VERSION	VARCHAR2(256)	—	Provides the driver version.
OPT_ROM_VERSION	VARCHAR2(256)	—	Optional ROM version.
OS	VARCHAR2(256)	—	Deprecated.
IP_ADDRESS	VARCHAR2(256)	—	Provides the IP address of the HBA.
IS_PRESENT	NUMBER(1)	—	Indicates whether the HBA exists.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
STATUS	INTEGER	—	Deprecated.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. HBA\_ENCLOSURE\_ID\_INDEX is an index based on the column ENCLOSURE\_ID.
2. HBA\_HWWN\_INDEX is an index based on the column HWWN.
3. HBA\_NWWN\_INDEX is an index based on the column NWWN.

## HW\_CARD

This table provides the power and status indications for a hardware component. Use the HW\_COMPONENT\_ID to associate each row to a hardware component in the HW\_COMPONENT table. [Table 1-36](#) describes the HW\_CARD database schema table.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-36**      **HW\_CARD**

Column Name	Data Type	Constraints	Description
HW_COMPONENT_ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry in HW_COMPONENT table.
MODEL_TYPE	INTEGER	—	Provides the model type of the card. See <a href="#">Table 1-37</a> .
ADMIN_STATUS	INTEGER	—	Describes the administrative status of the card: 1 = enabled 2 = disabled 3 = reset 4 = out of service
OPER_STATUS	INTEGER	—	Provides the operational status of the card. See <a href="#">Table 1-38</a> .
RESET_REASON	VARCHAR2(256)	—	Provides the reset reason for the card.
STATUS_LAST_CHANGE_TIME	INTEGERs	—	Provides the last status change time in hundredths of seconds.
POWER_ADMIN_STATUS	INTEGER	—	Describes the administrative status of the power for the card: 1 = on 2 = off 3 = inline automatic 4 = inline on
POWER_OPER_STATUS	INTEGER	—	Describes the operational status of the power for the card: 1 = off for environment or other reason 2 = on 3 = off for administration 4 = off denied 5 = off for environmental power 6 = off for environmental temperature 7 = off for environmental fan 8 = failed 9 = on but fan failed
POWER_CURRENT	INTEGER	—	Describes the current measurement on the system power supply primary output. The range is from $-1.0 \times 10^6$ A to $1.0 \times 10^6$ A. A negative value expresses the current used by the FRU. A positive value expresses the current supplied by the FRU.
DMM_STATE	INTEGER	—	Describes whether the module is capable on DMM (data migration).

**Table 1-37**      **MODEL\_TYPE Field Description in HW\_CARD Table**

Value of MODEL_TYPE	Description
1	9500 supervisor
2	9500 redundant supervisor

**[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)**

**Table 1-37 MODEL\_TYPE Field Description in HW\_CARD Table (continued)**

Value of MODEL_TYPE	Description
3	9500 16x 2-Gbps FC Module
4	9500 32x 2-Gbps FC Module
5	9500 32x 2-Gbps FC Services (ILC)
6	9500 8x 1GE IP Storage Services (IPS)
7	Caching Services Module (CSM)
13	9216 16x 2-Gbps FC Module plus supervisor
18	9140 40x 2-Gbps FC Module
19	9120 20x 2-Gbps FC Module
20	Advanced Services Module (ASM)
21	MDS 9216 SAM Module
22	14 FC + 2 GE Multiprotocol Services Module
23	2x10-Gbps FC 10-Gbps FC Module
24	4x GE iSCSI/FCIP Services Module
27	9216i 14 FC + 2 IPS, plus supervisor
28	Supervisor-2, supervisor or fabric module
29	12-port FC switching module
30	24-port FC switching module
31	48-port FC switching module
32	4-port 10G FC module
33	Crossbar module on the back of 13-slot chassis
35	9124 24x 4-Gbps FC Module plus supervisor
36	20-port FC switching module for IBM BladeCenter
37	24-port FC switching module for HP c-Class BladeSystem
39	18x 1/2/4G FC + 4x GE module
40	32x 1/2/4G FC + 2x 10 G FC + supervisor module
41	18x 1/2/4G FC + 4x 10 GE + supervisor module
42	48-port 1/2/4/8G 48-Gbps FC module
43	48-port 1/2/4/8G 96-Gbps FC module
44	16 GE port Storage Service Module
45	Cisco MDS 9513 Fabric Module 2
46	24-port 1/2/4/8G 48-Gbps FC module
49	8-Gb Fabric Switch for HP BladeSystem c-Class
51	48-port 1/2/4/8 Gbps FC/Supervisor-2 9148 module
56	Supervisor-2A, Supervisor/fabric module with 2 GB RAM
254	9020 20-port 4-Gbps FC

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-38** *OPER\_STATUS Field Description in HW\_CARD Table*

Value of OPER_STATUS	Description
1	unknown
2	OK
3	disabled
4	OK but diagnostic failed
5	boot
6	self-test
7	failed
8	missing
9	mismatched parenthesis
10	mismatched configuration
11	diagnostic failed
12	dormant
13	out of service administration
14	out of service environmental temperature
15	powered down
16	powered up
17	power denied
18	power cycled
19	OK but power over warning
20	OK but power over critical
21	sync in progress

## HW\_COMPONENT

This table describes the hardware components of a switch, including the model number, the manufacturer, and the revision. Use the SWITCH\_ID to associate each hardware component to a switch in the SWITCH table. [Table 1-39](#) describes the HW\_COMPONENT database schema table.

**Table 1-39** *HW\_COMPONENT*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the hardware component.
SWITCH_ID <sup>1</sup>	INTEGER	—	Provides the ID of the parent switch.
NAME	VARCHAR2( 256)	—	Describes the name of the hardware component.
PHYSICAL_INDEX	INTEGER	—	Describes the value that when combined with the switch card offset yields the relative slot number.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-39**      **HW\_COMPONENT**

Column Name	Data Type	Constraints	Description
RELATIVE_POSITION	INTEGER	—	Describes the relative position of the hardware component; for a card, it is the slot number.
HW_TYPE	INTEGER	—	Describes the type of the hardware component: 1 = other 2 = unknown 3 = chassis 4 = backplane 5 = container 6 = power supply 7 = fan 8 = sensor 9 = module 10 = port 11 = stack
VENDOR_TYPE	RAW(200)	—	Provides the vendor type of the hardware component.
HW_REVISION	VARCHAR2(256)	—	Provides the hardware revision of the hardware component.
FW_REVISION	VARCHAR2(256)	—	Provides the firmware revision of the hardware component.
SW_REVISION	VARCHAR2(256)	—	Provides the software revision of the hardware component.
SERIAL_NUMBER	VARCHAR2(256)	—	Provides the serial number of the hardware component.
MANUFACTURER	VARCHAR2(256)	—	Provides the manufacturer of the hardware component.
MODEL_NAME	VARCHAR2(256)	—	Provides the model name of the hardware component.
ASSET_ID	VARCHAR2(256)	—	Provides the asset ID of the hardware component.
STATUS_DESCRIPTION	VARCHAR2(256)	—	Provides the status description of the hardware component.
SEC_SERIAL_NUMBER	VARCHAR2(256)	—	Provides the secondary serial number of the hardware component.
LAST_SCAN_TIME	INTEGER	—	Provides the time when last seen, in milliseconds, since 1/1/1970.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

1. HW\_COMPONENT\_SWITCH\_ID is an index based on the column SWITCH\_ID.

## HW\_POWER\_SUPPLY

This table provides the status on power supplies in an enclosure. Use the HW\_COMPONENT\_ID to associate an entry with a hardware component in the HW\_COMPONENT table. [Table 1-40](#) describes the HW\_POWER\_SUPPLY database schema table.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-40** *HW\_POWER\_SUPPLY*

Column Name	Data Type	Constraints	Description
HW_COMPONENT_ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry in the HW_COMPONENT table.
REDUNDANCY_MODE	INTEGER	—	Describes the redundancy mode: 1 = not supported 2 = redundant 3 = combined Refer to CISCO-ENTITY-FRU-CONTROL-MIB for more information.
TOTAL_DRAWN_CURRENT	INTEGER	—	Provides the total current drawn by the power supply.
TOTAL_AVAILABLE_CURRENT	INTEGER	—	Provides the total current available for the power supply.
POWER_UNITS	VARCHAR2(256)	—	Provides the units of the power supply.

## ISL

This table describes an ISL that links two ports. Use the PORT1\_ID and the PORT2\_ID to associate these ports to a port in the SWITCH\_PORT table. If this ISL is a PortChannel member, the CHANNEL\_ID refers to the parent channel ID. [Table 1-41](#) describes the ISL database schema table.

**Table 1-41** *ISL Fabric Manager Server Database Schema Table*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the ISL entry in the table.
PORT1_ID <sup>1</sup>	INTEGER	—	Provides the ID of port1 (the port with smaller WWN).
PORT2_ID <sup>2</sup>	INTEGER	—	Provides the ID of port2.

**[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)**

**Table 1-41 ISL Fabric Manager Server Database Schema Table (continued)**

Column Name	Data Type	Constraints	Description
OPER_MODE	SMALLINT	—	Describes the operational mode of the link by port type: 1 = auto 2 = F 3 = FL 4 = E 5 = B 6 = FX 7 = SD 8 = TL 9 = N 10 = NL 11 = NX 12 = TE 13 = FV 14 = down 15 = ST
IS_PRESENT	NUMBER(1)	—	Indicates whether the ISL is present in the current fabric.
STATUS	SMALLINT	—	Deprecated.
OPER_STATUS_CAUSE	INTEGER	—	Describes if OPER_MODE is MODE_DOWN, the value is the down status.
OPER_STATUS_DESCRIPTION	VARCHAR2(256)	—	Describes if OPER_MODE is MODE_DOWN, the value is the down status description.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
LAST_SCAN_TIME	INTEGER	—	Provides the time when last seen, in milliseconds since 1/1/1970.
CHANNEL_CONFIG_CHILD_COUNT	INTEGER	—	Provides the configured PortChannel member count.
CHANNEL_CURRENT_CHILD_COUNT	INTEGER	—	Provides the PortChannel member count.
AUTO_CREATED	NUMBER(1)	—	Indicates whether the entry was automatically created.
IS_CHANNELMEMBER <sup>3</sup>	NUMBER(1)	—	Indicates whether the ISL is a PortChannel member.
CHANNEL_ID	INTEGER	—	Describes when the ISL is a PortChannel member, the parent channel ID.
IF_INDEX_1	INTEGER	—	IF index of the switch port at one end.
IF_INDEX_2	INTEGER	—	IF index of the switch port at the other end.
FICON_ADDRESS_1	INTEGER	—	Provides the FICON address of the switch port at one end.



***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-41** ISL Fabric Manager Server Database Schema Table (continued)

Column Name	Data Type	Constraints	Description
FICON_ADDRESS_2	INTEGER	—	Provides the FICON address of the switch port at the other end.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. ISL\_P1\_INDEX is an index based on the column PORT1\_ID.
2. ISL\_P2\_INDEX is an index based on the column PORT2\_ID.
3. ISL\_CHANNELMEMBER is an index based on the column IS\_CHANNELMEMBER.

## LICENSE

This table describes licenses configured and in use in a switch. Use the SWITCH\_ID to associate each entry to a switch in the SWITCH table. [Table 1-42](#) describes the LICENSE database schema table.

**Table 1-42** LICENSE

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the license.
SWITCH_ID <sup>1</sup>	INTEGER	—	Provides the ID of the switch where the license was installed.
FEATURE_NAME	VARCHAR2(256)	—	Provides the name of the license.
TYPE	INTEGER	—	Deprecated.
LICENSE_FLAG	RAW(100)	—	Provides the license flag that indicates the type of the license: 0 = demo 1 = permanent 2 = counted 3 = unlicensed 4 = in grace period
MAX_LICENSE	INTEGER	—	Describes the maximum number of licenses.
MISSING_LICENSE	INTEGER	—	Describes the number of missing licenses.
CURRENT_LICENSE	INTEGER	—	Describes the number of current licenses.
EXPIRE	INTEGER	—	Describes the expiration time of the license, in milliseconds.
GRACE_PERIOD	INTEGER	—	Describes the grace period of the license, in seconds.
LAST_UPDATE_TIME	TIMESTAMP	—	Time when the entry was updated.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-42** LICENSE (continued)

Column Name	Data Type	Constraints	Description
RESERVE_COL1	VARCHAR29 (256)	—	Deprecated.
RESERVE_COL2	VARCHAR2( 256)	—	Deprecated.

1. LICENSE\_SWITCH\_ID\_INDEX is an index based on the column SWITCH\_ID.

## NTOP

This table describes a configured NTOP entity. [Table 1-43](#) describes the NTOP database schema table.

**Table 1-43** NTOP

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry.
IP_ADDR <sup>1</sup>	VARCHAR2( 256)	—	Describes the switch IP address.
PORT_NUMBER <sup>2</sup>	INTEGER	—	Describes the switch port number.
LAST_SCAN_TIME	INTEGER	—	Describes the time when last seen, in milliseconds, since 1/1/1970.
LAST_UPDATE_TIME	TIMESTAMP	—	Describes the time when the entry was updated.

1. NTOP\_IP\_INDEX is an index based on the column IP\_ADDR.

2. NTOP\_PORT\_INDEX is an index based on the column PORT\_NUMBER.

## NTOP\_SPAN\_INFO

This table associates an NTOP entity with a SPAN port. Use the SPAN\_PORT\_ID to associate an entry with a SPAN port in the SPAN\_PORT table. [Table 1-44](#) describes the NTOP\_SPAN\_INFO database schema table.

**Table 1-44** NTOP\_SPAN\_INFO

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry.
NTOP_ID <sup>1</sup>	INTEGER	—	Describes the foreign key to the NTOP table.
SPAN_PORT_ID <sup>2</sup>	INTEGER	—	Describes the foreign key to the SPAN_PORT table.
ETH_NAME	VARCHAR29 (256)	—	Describes the Ethernet port name.
LAST_UPDATE_TIME	TIMESTAMP	—	Describes the time when the entry was updated.

1. NTOP\_SPAN\_NTOPID\_INDEX is an index based on the column NTOP\_ID.

2. NTOP\_SPAN\_SPANID\_INDEX is an index based on the column SPAN\_PORT\_ID.

[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)

## NPV\_LINK

This table describes the Nport virtualization link information. [Table 1-45](#) describes the NPV\_LINK database schema table.

**Table 1-45** NPV\_LINK

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry in the table.
CORE_SWITCH_ID	INTEGER	—	Provides the ID of the core switch.
NP_SWITCH_ID	INTEGER	—	Provides the ID of the NP switch.
F_PORT_INDEX <sup>1</sup>	INTEGER	—	Provides the index of the F port.
NP_PORT_INDEX <sup>2</sup>	INTEGER	—	Provides the index of the NP port.
F_WWN	RAW(8)	—	Provides the world wide name for log in device F port.
NP_WWN	RAW(8)	—	Provides the world wide name for log in device NP port.
OPER_STATUS_CAUSE	INTEGER	—	Describes the operation status cause.
SPEED	INTEGER	—	Describes the speed.
IS_PRESENT	NUMBER(1)	—	Describes whether the link is present.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
LAST_SCAN_TIME	INTEGER	—	Provides the time when last seen, in milliseconds, since 1/1/1970.
CHANNEL_CONFIG_CHILD_COUNT	INTEGER	—	Describes the number of child counts.
CHANNEL_CURRENT_CHILD_COUNT	INTEGER	—	Describes the number of current child counts of the channel.
AUTO_CREATED	NUMBER(1)	—	Describes whether the NPV link is autocreated.
IS_CHANNEL_MEMBER	NUMBER(1)	—	Describes whether the link is channel member.
CHANNEL_ID	INTEGER	—	Provides the ID of the channel.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. NPV\_LINK\_FP\_INDEX is an index based on the column F\_PORT\_INDEX.
2. NPV\_LINK\_NPP\_INDEX is an index based on the column NP\_PORT\_INDEX.

[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)

## PMDATAINDEX

This table maintains the logical-to-physical mapping of RRD files. [Table 1-46](#) describes the PMDATAINDEX database schema table.

**Table 1-46** PMDATAINDEX

Column Name	Data Type	Constraints	Description
ID	INTEGER	—	Provides the ID of the entry.
LOGICALFILENAME <sup>1</sup>	VARCHAR2(256)	—	Provides the logical RRD filename.
FILETYPE	INTEGER	—	File type has one of the following values: 0 = unknown 1 = ISL 2 = flow 3 = initiator 4 = target 5 = other 6 = gigabit Ethernet
DATAINDEX	INTEGER	—	Provides the RRD data source index.
PHYSICLFILEINDEX	INTEGER	—	Provides the physical file index.

1. PMDATAINDEX\_LOGICALFILE\_INDEX is an index based on the column LOGICALFILENAME.

## PMEXTRAOID

This table defines object IDs and switch IPs for the Performance Manager data collection. [Table 1-47](#) describes the PMEXTRAOID database schema table.

**Table 1-47** PMEXTRAOID

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the record ID.
FID <sup>1</sup>	INTEGER	—	Provides the fabric ID.
NAME	VARCHAR2(256)	—	Provides the Performance Manager object ID.
DISPLAYNAME	VARCHAR2(256)	—	Displays the name used in Web Client.
SWITCHIP	VARCHAR2(256)	—	Provides the IP address of the switch.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-47** *PMEXTRAOID (continued)*

Column Name	Data Type	Constraints	Description
TYPE	VARCHAR2(256)	—	RRD data source type has one of the following character values: COUNT ABSOLUTE GAUGE
SWITCHNAME	VARCHAR2(256)	—	Describes the switch name.

1. PMEXTRAOID\_FABRIC\_ID\_INDEX is an index based on the column FID.

## PMINDEXBOOKMARK

This table maintains the current bookmark index of the RRD files. [Table 1-48](#) describes the PMINDEXBOOKMARK database schema table.

**Table 1-48** *PMINDEXBOOKMARK*

Column Name	Data Type	Constraints	Description
TYPE	INTEGER	NOT NULL PRIMARY KEY	File type has one of the following values: 0 = unknown 1 = ISL 2 = flow 3 = initiator 4 = target 5 = other 6 = gigabit Ethernet
BOOKMARKINDEX	INTEGER	—	Provides the current RRD file bookmark index.
BOOKMARKCOUNT	INTEGER	—	Provides the number of bookmarks.
SERVERID	INTEGER	PRIMARY KEY	Provides the ID of the server.

## PM\_COLLECTION

This table describes a Performance Manager collection. Use the FABRIC\_ID to associate this collection to a fabric in the FABRIC table. [Table 1-49](#) describes the PM\_COLLECTION database schema table.

**Table 1-49** *PM\_COLLECTION*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry.
FABRIC_ID <sup>1</sup>	INTEGER	—	Provides the fabric ID; foreign key to a fabric table.
VSAN_LIST	VARCHAR2(256)	—	Provides the list of VSANs; for example, "1,5,6,4001".
MONITOR_ISL	NUMBER(1)	—	Describes whether to collect ISL PM for the fabric.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-49** *PM\_COLLECTION (continued)*

Column Name	Data Type	Constraints	Description
MONITOR_HOST	NUMBER(1)	—	Describes whether to collect host PM for the fabric.
MONITOR_STORAGE	NUMBER(1)	—	Describes whether to collect storage PM for the fabric.
MONITOR_FLOW	NUMBER(1)	—	Describes whether to collect flow PM for the fabric.
MONITOR_GIGE	NUMBER(1)	—	Describes whether to collect gigabit Ethernet port PM for the fabric.
MONITOR_OTHER	NUMBER(1)	—	Describes whether to collect other customized PM for the fabric.
TRAFFIC_THRESHOLD_ENABLE	NUMBER(1)	—	Describes whether threshold checking on traffic is enabled.
EVENT_THRESHOLD	NUMBER(1)	—	Describes whether threshold checking on event is enabled.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

1. PM\_POLICY\_FABRIC\_ID\_INDEX is an index based on the column FABRIC\_ID.

## PM\_OPTION

This table provides threshold details for a Performance Manager collection. Use the ID to associate these details with a Performance Manager collection in the PM\_COLLECTION table. [Table 1-50](#) describes the PM\_OPTION database schema table.

**Table 1-50** *PM\_OPTION*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of entry.
AUTO_COLLECT_NEW_DEVICE	NUMBER(1)	—	Describes whether to automatically collect new device PM.
INTERPOLATION	NUMBER(1)	—	When TRUE, interpolate missing gap in data collection.
THRESHOLD_TYPE	INTEGER	—	Threshold type: 0 = no threshold checking 1 = static threshold checking Any other value will cause threshold checking using a baseline from historic data.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-50** *PM\_OPTION*

Column Name	Data Type	Constraints	Description
CRITICAL_WATERMARK	INTEGER	—	Critical watermark. If traffic exceeds this percentage of the capacity or average traffic, a critical event is triggered. If the BASELINE_PERIOD is 0, the percentage value relates to the capacity. If the BASELINE_PERIOD is nonzero, the percentage value relates to the average for the baseline period. For example, if the BASELINE_PERIOD is 0, 80 indicates that if traffic exceeds 80% of the capacity, then a critical event is triggered.
WARNING_WATERMARK	INTEGER	—	Warning watermark. If traffic exceeds this percentage of the capacity or average traffic, a warning event is triggered. If the BASELINE_PERIOD is 0, the percentage value relates to the capacity. If the BASELINE_PERIOD is nonzero, the percentage value relates to the average for the baseline period. For example, if the BASELINE_PERIOD is 3, 150 indicates that if traffic exceeds 150% of the average for 3 days, a warning event is triggered.
BASELINE_PERIOD	INTEGER	—	Baseline period used in threshold checking. If the BASELINE_PERIOD is 0, use static threshold checking that is based on the capacity of the link. Otherwise, use the history specified in days. For example, 7 uses the last 7 days of data history.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
FIVE_MIN_SAMPLE_DAYS	INTEGER	DEFAULT 600	Provides the number of days to collect samples at 5-minute intervals.
THIRTY_MIN_SAMPLE_DAYS	INTEGER	DEFAULT 700	Provides the number of days to collect samples at 30-minute intervals.
TWO_HOUR_SAMPLE_DAYS	INTEGER	DEFAULT 775	Provides the number of days to collect samples at 2-hour intervals.
DAILY_SAMPLE_DAYS	INTEGER	DEFAULT 300	Provides the number of days to collect samples at daily intervals.
ISL_INTERVAL	INTEGER	DEFAULT 300	Collection interval in seconds for ISL objects: 30, 60, 90, up to 300

## ROLE

This table describes the available role types for each user. [Table 1-51](#) describes the ROLE database schema table.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-51**      **ROLE**

Column Name	Data Type	Constraints	Description
ROLE_NAME	VARCHAR2(256)	NOT NULL PRIMARY KEY	Describes the role name of the user.
DESCRIPTION	VARCHAR2(256)		Describes each users role.

## ROLE\_FABRIC\_INFO

This table describes the role types associated with each fabric and also describes the time when it was last updated. [Table 1-52](#) describes the ROLE\_FABRIC\_INFO database schema table.

**Table 1-52**      **ROLE\_FABRIC\_INFO**

Column Name	Data Type	Constraints	Description
ROLE_NAME	VARCHAR2(256)	NOT NULL PRIMARY KEY	Describes the role name of the user.
FABRIC_ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the fabric.
LAST_UPDATE_TIME	TIMESTAMP		Provides the time when the entry was updated.

## SCSI\_TARGET

This table provides the WWN for a SCSI target. Use the ID to associate this SCSI target to a port in the SWITCH\_PORT table. [Table 1-53](#) describes the SCSI\_TARGET database schema table.

**Table 1-53**      **SCSI\_TARGET**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the SCSI target.
WWN	RAW(8)	—	Provides the WWN of the SCSI target.
ENCLOSURE_ID	INTEGER	—	Provides the ID of the enclosure containing the target.



***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-53**      **SCSI\_TARGET**

Column Name	Data Type	Constraints	Description
DEV_TYPE	INTEGER	—	Device type of the SCSI target: 0 = disk 1 = sequential 2 = printer 3 = processor 4 = WORM 5 = CDROM 6 = scanner 7 = optical 8 = changer 9 = SCSI network 10 = SCSI ASCIT8 11 = SCSI ASCIT8 12 = SCSI array 13 = SCSI enclosure 14 = SCSI RBC
VENDOR_ID	VARCHAR2(256)	—	Provides the vendor ID of the SCSI target.
PRODUCT_ID	VARCHAR2(256)	—	Provides the product ID of the SCSI target.
REV_LEVEL	VARCHAR2(256)	—	Provides the product revision level of the SCSI target.
OTHER_INFO	RAW(100)	—	Bytes from 0 to 7 in the INQUIRY command response data.
IS_PRESENT	NUMBER(1)	—	Describes whether the SCSI target exists.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
STATUS	INTEGER	—	Deprecated.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

## SEQUENCE

This table describes the current long values for automatically generated IDs. [Table 1-54](#) describes the SEQUENCE database schema table.

**Table 1-54**      **SEQUENCE**

Column Name	Data Type	Constraints	Description
ID	SMALLINT	NOT NULL PRIMARY KEY	Provides the catalog of IDs.
VALUE	INTEGER	—	Describes the starting value of database IDs.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

## SME\_SETTINGS

This table describes the SME settings information. [Table 1-55](#) describes the SME\_SETTINGS database schema table.

**Table 1-55** *SME\_SETTINGS*

Column Name	Data Type	Constraints	Description
NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Provides the name of the SME.
VALUE	VARCHAR2(64)	—	Describes the SME settings value.

## SME\_CLUSTER

This table describes the SME cluster information. [Table 1-56](#) describes the SME\_CLUSTER database schema table.

**Table 1-56** *SME\_CLUSTER*

Column Name	Data Type	Constraints	Description
CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Provides the name of the cluster.
CLUSTER_ID	VARCHAR2(64)	—	Provides the ID of the cluster.
STATUS	INTEGER	—	Provides the status of the SME cluster.
CKMC_STATE	INTEGER	—	Provides the state of the KMC server.
MASTER_IP_ADD R	VARCHAR2(32)	—	Describes the IP address of the master switch.
KMC_ID	VARCHAR2(32)	—	Provides the ID of the KMC.

## SME\_CLUSTER\_ATTRIBUTES

This table describes the SME cluster attributes information. [Table 1-57](#) describes the SME\_CLUSTER\_ATTRIBUTES database schema table.

**Table 1-57** *SME\_CLUSTER\_ATTRIBUTES*

Column Name	Data Type	Constraints	Description
CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Provides the name of the cluster.
SECURITY_MODE	INTEGER	—	Describes the security mode for the cluster.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-57** *SME\_CLUSTER\_ATTRIBUTES (continued)*

Column Name	Data Type	Constraints	Description
RECOVERY_THRE SHOLD	INTEGER	—	Describes the recovery threshold of the cluster.
RECOVERY_TOTA L	INTEGER	—	Describes the recovery total of the cluster.

## SME\_CLUSTER\_SMARTCARD

This table describes the SME cluster SmartCard information. [Table 1-58](#) describes the SME\_CLUSTER\_SMARTCARD database schema table.

**Table 1-58** *SME\_CLUSTER\_SMARTCARD*

Column Name	Data Type	Constraints	Description
CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Provides the name of the cluster.
MASTER_KEY_G UID	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the master key for the GUID.
MASTER_KEY_V ERSION	VARCHAR2(8)	NOT NULL PRIMARY KEY	Describes the master key version.
RECOVERY_SHA RE_VERSION	VARCHAR2(8)	NOT NULL PRIMARY KEY	Describes the recovery share version.
SHARE_INDEX	INTEGER	—	Describes the share index.
SMARTCARD_LA ABEL	VARCHAR2(32)	—	Describes the SmartCard label.
SMARTCARD_SE RIAL_NUMBER	VARCHAR2(32)	—	Describes the SmartCard serial number.
RO_USERNAME	VARCHAR2(32)	—	Describes the role username.

## SME\_TAPE\_GROUP

This table describes the SME tape group information. [Table 1-59](#) describes the SME\_TAPE\_GROUP database schema table.

**Table 1-59** *SME\_TAPE\_GROUP*

Column Name	Data Type	Constraints	Description
CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the name of the cluster.
TAPEGROUP_NA ME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the tape group name.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-59** *SME\_TAPE\_GROUP (continued)*

Column Name	Data Type	Constraints	Description
VOLUME_GROUP_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the volume group name.
STATUS	INTEGER	—	Describes the status of the tape.

## SME\_TAPE\_VOLUMEGROUP

This table describes the SME tape volumegroup information. [Table 1-60](#) describes the SME\_TAPE\_VOLUMEGROUP database schema table.

**Table 1-60** *SME\_TAPE\_VOLUMEGROUP*

Column Name	Data Type	Constraints	Description
CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the name of the cluster.
TAPEGROUP_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the tape group name.
VOLUME_GROUP_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the volume group name.
STATUS	INTEGER	—	Describes the status of the tape.

## SME\_KEY

This table describes the SME key information. [Table 1-61](#) describes the SME\_KEY database schema table.

**Table 1-61** *SME\_KEY*

Column Name	Data Type	Constraints	Description
GUID	VARCHAR2(64)	NOT NULL PRIMARY KEY	Provides the global unique ID for the key.
CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Provides the name of the cluster.
CLONED_FROM_GUID <sup>1</sup>	VARCHAR2(64)	—	Describes whether this is a clone.
CLUSTER_ID	VARCHAR2(64)	—	ID of the cluster.
STATUS	INTEGER	—	Describes the status of the key.
KEY_TYPE	INTEGER	—	Describes the key type of the SME.
ENTITY_INDEX <sup>2</sup>	VARCHAR2(256)	—	Describes the entity index.
VERSION	INTEGER	—	Provides the version of the SME.
WRAP_BY_GUID	VARCHAR2(64)	—	Describes the value wrapped by GUID.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-61** *SME\_KEY (continued)*

Column Name	Data Type	Constraints	Description
KEY_DAT	VARCHAR2(2048)	—	Describes the key data.
MASTER_KEY_G UID	VARCHAR2(64)	—	Describes the master key GUID.
CREATION_TIME	TIMESTAMP	—	Provides the SME creation time.
ARCHIVAL_TIME	TIMESTAMP	—	Provides the SME archival time.

1. SME\_KEY\_CLONED\_FROM\_GUID\_INDEX is an index based on the column CLONED\_FROM\_GUID.
2. SME\_KEY\_ENTITY\_INDEX is an index based on the column ENTITY\_INDEX.

## SME\_ACCOUNTING\_LOG

This table describes the SME accounting log information. [Table 1-62](#) describes the SME\_ACCOUNTING\_LOG database schema table.

**Table 1-62** *SME\_ACCOUNTING\_LOG*

Column Name	Data Type	Constraints	Description
LOG_ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the SME log.
TIME_STAMP	TIMESTAMP	NOT NULL	Describes the timestamp.
HOST_NAME	VARCHAR2(64)	NOT NULL	Describes the name of the host.
USER_NAME	VARCHAR2(64)	—	Username encrypted for security.
CLUSTER_NAME	VARCHAR2(64)	—	Describes the name of the cluster.
CLUSTER_ID	VARCHAR2(64)	—	ID of the cluster.
OPERATION	VARCHAR2(64)	—	Describes the operation performed.
STATUS	VARCHAR2(64)	—	Describes the status.
DETAILS	VARCHAR2(1024)	—	Provides the details.

## SME\_REPLICATION\_REL

This table describes the SME replication release. [Table 1-63](#) describes the SME\_REPLICATION\_REL database schema table.

**Table 1-63** *SME\_REPLICATION\_REL*

Column Name	Data Type	Constraints	Description
SRC_CLUSTER_N AME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the SME cluster name.
SRC_TAPE_GROU P_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the SME tape group name.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-63** *SME\_REPLICATION\_REL (continued)*

Column Name	Data Type	Constraints	Description
SRC_VOLUME_GROUP_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the SME volume group name.
REPLICATION_ID	INTEGER	NOT NULL PRIMARY KEY	Describes the replication ID.
STATUS	INTEGER	—	Describes the status of the SME.
CREATION_TIME	TIMESTAMP	—	Describes the creation time.
DEST_CLUSTER_NAME	VARCHAR2(64)	—	Provides the destination cluster name.
DEST_TAPE_GROUP_NAME	VARCHAR2(64)	—	Provides the destination group name.
DEST_VOLUME_GROUP_NAME	VARCHAR2(64)	—	Provides the destination volume group name.
STATUS_DESC	VARCHAR2(255)	—	Provides the status description.
LAST_UPDATE_TIME	TIMESTAMP	—	Time when the entry was updated.

## SME\_REPL\_PENDING\_KEY

This table describes the SME replication key information. [Table 1-64](#) describes the SME\_REPL\_PENDING\_KEY database schema table.

**Table 1-64** *SME\_REPL\_PENDING\_KEY*

Column Name	Data Type	Constraints	Description
GUID	VARCHAR2(64)	NOT NULL PRIMARY KEY	Global unique ID.
SRC_CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the SRC cluster name.
DEST_CLUSTER_NAME	VARCHAR2(64)	PRIMARY KEY	Describes the destination cluster name.
DEST_TAPE_GROUP_NAME	VARCHAR2(64)	PRIMARY KEY	Describes the destination tape group name.
DEST_TAPE_VOLUME_GROUP_NAME	VARCHAR2(64)	PRIMARY KEY	Describes the destination tape volume group name.
SRC_TAPE_GROUP_NAME	VARCHAR2(64)	—	Describes the tape group name.
SRC_TAPE_VOLUME_GROUP_NAME	VARCHAR2(64)	—	Describes the SRC destination tape volume group name.
SCHEDULED_REPLICATION_TIME	TIMESTAMP	—	Describes the scheduled replication time.

[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)

## SME\_REPL\_ERROR\_KEY

This table describes the SME replication information. [Table 1-65](#) describes the SME\_REPL\_ERROR\_KEY database schema table.

**Table 1-65** SME\_REPL\_ERROR\_KEY

Column Name	Data Type	Constraints	Description
GUID	VARCHAR2(64)	NOT NULL PRIMARY KEY	Global unique ID.
SRC_CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the destination cluster name.
DEST_CLUSTER_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the destination cluster name.
DEST_TAPE_GROUP_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the destination tape group name.
DEST_VOLUME_GROUP_NAME	VARCHAR2(64)	NOT NULL PRIMARY KEY	Describes the destination tape volume group name.
SRC_TAPE_GROUP_NAME	VARCHAR2(64)	—	Describes the tape group name.
SRC_TAPE_VOLUME_GROUP_NAME	VARCHAR2(64)	—	Describes the SRC destination tape volume group name.
STATUS	INTEGER	—	Describes the status.
REPLICATION_TIME	INTEGER	—	Provides the replication time.
STATUS_DESC	VARCHAR2(255)	—	Provides the status description.

## SNMP\_COMMUNITY

This table describes an SNMP community. [Table 1-66](#) describes the SNMP\_COMMUNITY database schema table.

**Table 1-66** SNMP\_COMMUNITY

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the SNMP community.
IP_ADDRESS	VARCHAR2(256)	NOT NULL	Provides the IP address of the community string.
READ	VARCHAR2(256)	—	Describes the read community string.
WRITE	VARCHAR2(256)	—	Describes the write community string.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-66** *SNMP\_COMMUNITY*

Column Name	Data Type	Constraints	Description
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

## SNMPUSER

This table describes an SNMP user. [Table 1-67](#) describes the SNMPUSER database schema table.

**Table 1-67** *SNMPUSER*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the SNMP user.
VERSION	INTEGER	—	Version of the SNMP user: 1 = SNMPv1 2 = SNMPv2 3 = SNMPv3
USER_NAME <sup>1</sup>	VARCHAR2(256)	—	For SNMPv3, the name of the SNMP user. For SNMPv1 or SNMPv2, the community string.
AUTH_PASSWORD	VARCHAR2(256)	—	Password of the SNMP user; applies to SNMPv3 only.
PRIV_PASSWORD	VARCHAR2(256)	—	Deprecated.
AUTH_PROTOCOL	INTEGER	—	Deprecated.
PRIV_PROTOCOL	INTEGER	—	Deprecated.
SECURITY_NAME	VARCHAR2(256)	—	Security name of the SNMP user.
ROLE_NAME	VARCHAR2(256)	—	Describes the role of the SNMP user.
IS_LOGGING_IN	NUMBER(1)	—	Deprecated.
LAST_UPDATE_TIME	TIMESTAMP	—	Time when the entry was updated.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. SNMPUSER\_USERNAME\_INDEX is an index based on the column USER\_NAME.

## SPAN\_PORT

This table describes a SPAN port on a switch. Use the SWITCH\_ID to associate this SPAN port to a switch in the SWITCH table. [Table 1-68](#) describes the SPAN\_PORT database schema table.



***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-68** *SPAN\_PORT*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry.
IF_INDEX <sup>1</sup>	INTEGER	—	Describes the IF index value of the port.
SWITCH_ID <sup>2</sup>	INTEGER	—	Describes the ID of the parent switch.
LAST_SCAN_TIME	INTEGER	—	Deprecated.
LAST_UPDATE_TIME	TIMESTAMP	—	Describes the time when the entry was updated.

1. SPANPORT\_IFINDEX\_INDEX is an index based on the column IF\_INDEX.
2. SPANPORT\_SWITCH\_ID\_INDEX is an index based on the column SWITCH\_ID.

## SPAN\_SESSION

This table describes a SPAN session. Use the SPAN\_PORT\_ID to associate this session to a SPAN port in the SPAN\_PORT table. [Table 1-69](#) describes the SPAN\_SESSION database schema table.

**Table 1-69** *SPAN\_SESSION*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry.
SESSION_ID <sup>1</sup>	INTEGER	—	Describes the ID of session.
SPAN_PORT_ID <sup>2</sup>	INTEGER	—	Describes the foreign key to the SPAN_PORT.
OPER_STATUS	INTEGER	—	Operation status: 1 = active 2 = inactive
VSAN_FILTER	VARCHAR2( 256)	—	List of VSAN filters, for example, “1,3,5”.
VSAN_SOURCE	VARCHAR2( 256)	—	List of VSAN sources, for example, “1,3,5”.
LAST_SCAN_TIME	INTEGER	—	Deprecated.
LAST_UPDATE_TIME	TIMESTAMP	—	Describes the time when the entry was updated.

1. SPANSESSION\_SESSION\_ID\_INDEX is an index based on the column SESSION\_ID.
2. SPANSESSION\_SPANPORT\_ID\_INDEX is an index based on the column SPAN\_PORT\_ID.

## SPAN\_SOURCE\_PORT

This table describes a SPAN source port. Use the SESSION\_ID to associate this source port to a SPAN session in the SPAN\_SESSION table. [Table 1-70](#) describes the SPAN\_SOURCE\_PORT database schema table.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-70** *SPAN\_SOURCE\_PORT*

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the entry.
IF_INDEX <sup>1</sup>	INTEGER	—	Describes the interface index of the port.
DIRECTION	INTEGER	—	Direction: receive = 1 transmit = 2
SESSION_ID <sup>2</sup>	INTEGER	—	Session ID; foreign key to the SPAN_SESSION.
LAST_SCAN_TIME	INTEGER	—	Describes the time when last seen, in milliseconds since 1/1/1970.
LAST_UPDATE_TIME	TIMESTAMP	—	Describes the time when the entry was updated.

1. SPANSOURCEPORT\_IFINDEX\_INDEX is an index based on the column IF\_INDEX.
2. SPANSOURCEPORT\_SESSION\_ID\_INDEX is an index based on the column SESSION\_ID.

## STATISTICS

This table provides statistics gathered for a Performance Manager collection. [Table 1-71](#) describes the STATISTICS database schema table.

**Table 1-71** *STATISTICS*

Column Name	Data Type	Constraints	Description
SRC_ID	INTEGER	PRIMARY KEY	Describes the ID of the source port entry in the SWITCH_PORT table or the END_PORT table.
DEST_ID <sup>1</sup>	INTEGER	PRIMARY KEY	Describes the ID of the destination port entry in SWITCH_PORT or END_PORT table.
TYPE	SMALLINT	—	Type of the statistic: 0 = unknown 1 = ISL 2 = flow 3 = initiator 4 = target 5 = other 6 = gigabit Ethernet
RRD_FILE	VARCHAR2(256)	—	Describes the RRD filename for the entity.
XML_FILE	VARCHAR2(256)	—	Describes the XML filename for the entity.
CAPACITY	INTEGER	—	Interface speed of the entity in bytes per second.
AVG_RX	BINARY_DOUBLE	—	Describes the average number of bytes received per second for the last day.
AVG_TX	BINARY_DOUBLE	—	Describes the average number of bytes transmitted per second for the last day.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-71 STATISTICS (continued)**

Column Name	Data Type	Constraints	Description
TOTAL_RXTX	BINARY_DOUBLE	—	Describes the total number of bytes received and transmitted for the last day.
MAX_RX	BINARY_DOUBLE	—	Describes the peak number of bytes received for the last day.
MAX_TX	BINARY_DOUBLE	—	Peak number of bytes transmitted for the last day.
TOTAL_ERR	BINARY_DOUBLE	—	Describes the total number of errors for the last day.
TOTAL_DISCARD	BINARY_DOUBLE	—	Describes the total number of discards for the last day.
LAST_WEEK_AVG_RX	BINARY_DOUBLE	—	Average number of bytes received per second for the last week.
LAST_WEEK_AVG_TX	BINARY_DOUBLE	—	Average number of bytes transmitted per second for the last week.
LAST_WEEK_TOTAL_RXTX	BINARY_DOUBLE	—	Describes the total number of bytes received and transmitted for the last week.
LAST_WEEK_MAX_RX	BINARY_DOUBLE	—	Peak number of bytes received for the last week.
LAST_WEEK_MAX_TX	BINARY_DOUBLE	—	Peak number of bytes transmitted for the last week.
LAST_WEEK_TOTAL_ERR	BINARY_DOUBLE	—	Describes the total number of errors for the last week.
LAST_WEEK_TOTAL_DISCARD	BINARY_DOUBLE	—	Describes the total number of discards for the last week.
LAST_MONTH_AVG_RX	BINARY_DOUBLE	—	Average number of bytes received per second for the last month.
LAST_MONTH_AVG_TX	BINARY_DOUBLE	—	Average number of bytes transmitted per second for the last month.
LAST_MONTH_TOTAL_RXTX	BINARY_DOUBLE	—	Total number of bytes received and transmitted for the last month.
LAST_MONTH_MAX_RX	BINARY_DOUBLE	—	Peak number of bytes received for the last month.
LAST_MONTH_MAX_TX	BINARY_DOUBLE	—	Peak number of bytes transmitted for the last month.
LAST_MONTH_TOTAL_ERR	BINARY_DOUBLE	—	Total number of errors for the last month.
LAST_MONTH_TOTAL_DISCARD	BINARY_DOUBLE	—	Total number of discards for the last month.
LAST_YEAR_AVG_RX	BINARY_DOUBLE	—	Average number of bytes received per second for the last year.
LAST_YEAR_AVG_TX	BINARY_DOUBLE	—	Average number of bytes transmitted per second for the last year.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-71** STATISTICS (continued)

Column Name	Data Type	Constraints	Description
LAST_YEAR_TOTAL_RTX	BINARY_DOUBLE	—	Total number of bytes received and transmitted for the last year.
LAST_YEAR_MAX_RX	BINARY_DOUBLE	—	Peak number of bytes received for the last year.
LAST_YEAR_MAX_TX	BINARY_DOUBLE	—	Peak number of bytes transmitted for the last year.
LAST_YEAR_TOTAL_ERR	BINARY_DOUBLE	—	Total number of errors for the last year.
LAST_YEAR_TOTAL_DISCARD	BINARY_DOUBLE	—	Total number of discards for the last year.
LAST_UPDATE_TIME	TIMESTAMP	—	Time when the entry was updated.
LAST_THRESHOLD_EVENT_TIME	TIMESTAMP	—	Last threshold event receive time.
THRESHOLD_EVENT_COUNT	SMALLINT	—	Threshold event count.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. STATISTICS\_DEST\_ID is an index based on the column DEST\_ID.

## SWITCH

This table provides the sWWN and fabric ID for a switch. Use the FABRIC\_ID to associate each switch to a fabric in the FABRIC table. [Table 1-72](#) describes the SWITCH database schema table.

**Table 1-72** SWITCH

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the switch entry in the switch table.
FABRIC_ID <sup>1</sup>	INTEGER	—	Provides the ID of the parent fabric entry in fabric table.
LICENSE_ID	INTEGER	—	Deprecated.
WWN <sup>2</sup>	RAW(8)	—	Provides the WWN of the switch.
IP_ADDRESS <sup>3</sup>	RAW(100)	—	Provides the IP address of the switch.
IS_MDS	NUMBER(1)	—	Indicates whether the switch is an MDS switch.
TYPE	INTEGER	—	Model type of the switch; applies to MDS switches only. See <a href="#">Table 1-73</a> .
IS_MANAGABLE	NUMBER(1)	—	Indicates whether the switch is manageable.
UNMANAGABLE_CAUSE	VARCHAR2(256)	—	Describes the reason why the switch is unmanageable.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-72 SWITCH**

Column Name	Data Type	Constraints	Description
NON_MDS_MODEL	VARCHAR2(256)	—	Model name for a non-MDS switch.
SYS_NAME	VARCHAR2(256)	—	Provides the system name.
SYS_CONTACT	VARCHAR2(256)	—	Provides the system contact information.
SYS_LOCATION	VARCHAR2(256)	—	Provides the system location information.
SYS_UPTIME	INTEGER	—	Provides the system uptime in hundredths of seconds. 0 indicates system down.
ACTIVE_SUP_SLOT	INTEGER	—	Provides the active supervisor slot number.
STANDBY_SUP_STATE	INTEGER	—	Status of the standby supervisor: 1 = unknown 2 = disabled 3 = initialization 4 = negotiation 5 = standby cold 6 = standby cold configuration 7 = standby cold file system 8 = standby cold bulk 9 = standby hot 10 = active fast 11 = active drain 12 = active pre-configuration 13 = active post-configuration 14 = active 15 = active extra load 16 = active handback
CONN_UNIT_STATUS	INTEGER	—	Connection unit status: 0 = unknown 1 = unused 2 = OK 3 = warning: needs attention 4 = failed
FEATURE_FLAG	INTEGER	—	Licensed features. Refer to CISCO-FEATURE-CONTROL-MIB for details.
FEATURES_STRING	VARCHAR2(256)	—	Describes the feature flag value in string format.
IS_LICENSE_VIOLATION	NUMBER(1)	—	Indicates whether the switch has a license violation.
VERSION	VARCHAR2(256)	—	Version of the switch.
IS_PRESENT	NUMBER(1)	—	Indicates whether the switch is present.
SERIAL_NUMBER	VARCHAR2(256)	—	Serial number of the switch.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-72 SWITCH**

Column Name	Data Type	Constraints	Description
NUM_PORTS	INTEGER	—	Number of Fibre Channel ports in the switch.
LAST_UPDATE_TIME	TIMESTAMP	—	Time when the entry was updated.
LAST_SCAN_TIME	INTEGER	—	Time when last seen, in milliseconds, since 1/1/1970.
IS_TRAP_REGISTERED	NUMBER(1)	—	Indication of whether the trap receiver is registered in the switch.
IS_SYSLOG_REGISTERED	NUMBER(1)	—	Indicate whether the syslog receiver is registered in the switch.
SYS_DESCRIPTION	VARCHAR2(256)	—	Deprecated.
VENDOR	VARCHAR2(256)	—	Deprecated.
FCFE_MODULE_ID	INTEGER	—	Deprecated.
STANDBY_SUP_SLOT	INTEGER	—	Slot number of the standby supervisor card.
MODULE_INDEX_OFFSET	INTEGER	—	Module index offset.
OPER_MODE	INTEGER	—	Describes the operation mode.
RESERVE_COL1	VARCHAR	—	Deprecated.
RESERVE_COL2	VARCHAR	—	Deprecated.

1. SWITCH\_FABRIC\_ID is an index based on the column FABRIC\_ID.
2. SWITCH\_WWN\_INDEX is an index based on the column WWN.
3. SWITCH\_IP\_INDEX is an index based on the column IP\_ADDRESS.

**Table 1-73 TYPE Field Description in SWITCH Table**

TYPE Field Value	Description
375	Cisco MDS 9506 chassis
376	Cisco MDS 9509 chassis
377	Cisco MDS 9513 chassis
380	Cisco MDS 9216 chassis
411	Cisco MDS 9140, 40-port fixed configuration fabric switch chassis
414	Cisco MDS 9120, 20-port fixed configuration fabric switch chassis
442	Cisco MDS 9216A chassis
472	Cisco 2-Slot MDS fabric switch chassis
475	Cisco SN 5428
514	Cisco MDS 9020-20K9, 20-port 4 Gbps FC fabric switch
529	Cisco SN 5428-2
587	Cisco MDS 9124
601	Cisco IBM_BLADE_SERVER
606	Cisco HP_BLADE_SERVER

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-73** TYPE Field Description in SWITCH Table (continued)

TYPE Field Value	Description
612	Nexus 7010 switch, 10 slots
616	Cisco MDS 9134 Multilayer Fabric Switch
651	MDS 9222i Multiservice Modular Switch
719	Nexus 5000 series (Eugene) chassis
773	NEC_BLADE_SERVER
777	Nexus 7018 switch, 18 slots
798	Nexus 5000 series (Bend) chassis
841	MDS HUASHAN 9148 FC (1 Slot) Chassis 1/2/4/8 Gbps FC/Supervisor-2
843	HP Blade System Cassino
847	UCS Springfield chassis 20-port
899	UCS Springfield chassis 40-port
934	Nexus 5000 series (Bend) chassis Dual Core
935	Nexus 5000 series (Eugene) chassis Dual Core
936	Nexus 5000 series (Eugene) 10G Base-T (Sherwood)
1008	Nexus 5000 series (Oxygen)

## SWITCH\_MGMT\_ADDRESS

This table provides the switch management port IP address. Use the SWITCH\_ID to associate each entry to a switch in the SWITCH table. [Table 1-74](#) describes the SWITCH\_MGMT\_ADDRESS database schema table.

**Table 1-74** SWITCH\_MGMT\_ADDRESS

Column Name	Data Type	Constraints	Description
SWITCH_ID <sup>1</sup>	INTEGER	NOT NULL	Provides the ID of the switch.
MGMT_ADDRESS	RAW(100)	—	Provides the management IP address.
MGMT_TYPE	NUMBER(4)	—	Deprecated.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.

1. SWITCH\_MGMT\_ADDRESS\_ID\_INDEX is an index based on the column SWITCH\_ID.

## SWITCH\_PORT

This table associates an SNMP ifIndex and pWWN to a port. Use the SWITCH\_ID to associate each entry to a switch in the SWITCH table. [Table 1-75](#) describes the SWITCH\_PORT database schema table.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-75 SWITCH\_PORT**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the primary key of the database entry.
IF_INDEX	INTEGER	—	Interface index of the port.
SWITCH_ID <sup>1</sup>	INTEGER	—	Provides the ID of the parent switch.
WWN	RAW(8)	—	WWN of the port.
FICON_PORT_ADDRESS	RAW(100)	—	FICON address.
IS_HUB	NUMBER(1)	—	Indication of whether the port is a hub.
IS_CHANNEL	NUMBER(1)	—	Indication of whether the port belongs to a PortChannel.
CHANNEL_ID <sup>2</sup>	INTEGER	—	PortChannel ID.
LAST_UPDATE_TIME	TIMESTAMP	—	Time when the entry was updated.
STATUS	SMALLINT	—	Status of the port. Refer to CISCO-FC-FE-MIB for details.
IS_SPAN	NUMBER(1)	—	Deprecated.
PORT_GROUP	INTEGER	—	Port group calculated from the port index; applies only to a 32-port card.
SLOT	SMALLINT	—	Describes the slot number.
IF_SPEED	INTEGER	—	Port speed in bits per second.
IF_NAME	VARCHAR2(256)	—	Port interface name.
IF_TYPE	INTEGER	—	Port interface type. Refer to values for IANAifType in IANAifType-MIB.
PARENT	INTEGER	—	Parent.
CLUSTER_ID	VARCHAR2(256)	—	Describes the cluster ID.
SME_STATE	INTEGER	—	Describes the SME state.
IOA_STATE	INTEGER	—	Describes the IOA state.
IF_CONNTYPE	INTEGER	—	Describes the interface connection type.
IF_DESCR	VARCHAR2(256)	—	Describes the interface description.
RESERVE_COL1	VARCHAR	—	Deprecated.
RESERVE_COL2	VARCHAR	—	Deprecated.

1. SWITCH\_PORT\_SWITCH\_ID\_INDEX is an index based on the column SWITCH\_ID.

2. SWITCH\_PORT\_CHANNEL\_ID\_INDEX is an index based on the column CHANNEL\_ID.

## SVR\_PROP

This table describes the server properties. [Table 1-76](#) describes the SVR\_PROP database schema table.



***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-76** *SVR\_PROP*

Column Name	Data Type	Constraints	Description
KEY	VARCHAR2(256)	PRIMARY KEY	Describes the server property.
VALUE	VARCHAR2(256)		Describes the server property value.

## USERFABRIC

This table describes the user of a fabric. [Table 1-77](#) describes the USERFABRIC\_INFO database schema table.

**Table 1-77** *USERFABRIC Fabric Manager Server Database Schema Table*

Column Name	Data Type	Constraints	Description
FMUSER_NAME	VARCHAR2(256)	NOT NULL PRIMARY KEY	Provides the name of the Fabric Manager user.
FABRIC_ID <sup>1</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the fabric.
SNMPUSER_ID	INTEGER	—	Provides the ID of the SNMP user.
LAST_UPDATE_TIME	TIMESTAMP	—	Time when the entry was updated.
RESERVE_COL1	VARCHAR2(256)		Deprecated.
RESERVE_COL2	VARCHAR2(256)		Deprecated.

## USERSWITCH\_INFO

This table describes the user switch information. [Table 1-78](#) describes the USERSWITCH\_INFO database schema table.

**Table 1-78** *USERSWITCH\_INFO*

Column Name	Data Type	Constraints	Description
FMUSER_ID	INTEGER	NOT NULL PRIMARY KEY	Describes the ID of the Fabric Manager user.
IP_ADDRESS	RAW(100)	NOT NULL PRIMARY KEY	Describes the IP address of the switch.
SNMPUSER_ID	INTEGER		Describes the ID of the SNMP user.
LAST_UPDATE_TIME	TIMESTAMP		Time when the entry was updated.
RESERVE_COL1	VARCHAR2(256)		Deprecated.
RESERVE_COL2	VARCHAR2(256)		Deprecated.

**[Send documentation comments to fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)**

## VSAN

This table describes a VSAN within a fabric. Use the FABRIC\_ID to associate this VSAN with a fabric in the FABRIC table. [Table 1-79](#) describes the VSAN database schema table.

**Table 1-79 VSAN**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry in the table.
NAME	VARCHAR2(256)	—	Provides the name of the VSAN.
IS_UP	NUMBER(1)	—	Indicates whether the VSAN is up.
IS_DISJOINT	NUMBER(1)	—	Indicates whether the VSAN is segmented.
SEED_SWITCH_ID	INTEGER	—	Provides the ID of the seed switch.
ENF_ZONESET_NAME	VARCHAR2(256)	—	Active zone set name.
ENF_ZONESET_ACTIVATE_TIME	INTEGER	—	Provides the time in milliseconds when the zone set is activated.
FABRIC_ID <sup>1</sup>	INTEGER	—	Provides the parent fabric ID.
VSAN_ID <sup>1, 2</sup>	INTEGER	—	Provides the VSAN ID.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
PRINCIPAL_SWWN	RAW(100)	—	WWN of the principal switch.
FICON_STATE	INTEGER	—	FICON state: 0 = non-FICON 1 = offline 2 = online
INTER_OPER_MODE	INTEGER	—	Interoperation mode of the VSAN: 0 = disabled 1 to 4 = enabled
PRINCIPAL_SW_ID	INTEGER	—	Provides the ID of the principal switch.
ADMIN_STATE	NUMBER(4)	—	Administrative state of the VSAN: 1 = active 2 = suspended
MTU	INTEGER	—	Provides the MTU of the VSAN.
LOAD_BALANCING_TYPE	NUMBER(4)	—	Type of load balancing used by the VSAN: 1 = source and destination IDs only 2 = source, destination, and originator exchange IDs
INORDER_DELIVERY	NUMBER(1)	—	Indicates whether in-order delivery is guaranteed.
NETWORK_DROP_LATENCY	INTEGER	—	Provides the network drop latency in milliseconds.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-79** VSAN (continued)

Column Name	Data Type	Constraints	Description
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. VSAN\_FABRIC\_VSAN\_ID\_INDEX is an index based on the columns FABRIC\_ID and VSAN\_ID.
2. VSAN\_VSAN\_ID\_INDEX is an index based on the column VSAN\_ID.

## VSAN\_DOMAIN\_INFO

This table associates a VSAN with a domain on a switch. Use the SWITCH\_ID to associate this VSAN and domain with a switch in the SWITCH table. [Table 1-80](#) describes the VSAN\_DOMAIN\_INFO database schema table.

**Table 1-80** VSAN\_DOMAIN\_INFO

Column Name	Data Type	Constraints	Description
VSAN_ID <sup>1</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the VSAN.
SWITCH_ID <sup>2</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the switch.
DOMAIN_ID	SMALLINT	—	Provides the domain of the switch in the VSAN.
WWN	RAW(100)	—	Provides the WWN of the switch in the VSAN.
LAST_UPDATE_TIME	TIMESTAMP	—	Indicates the time when the entry was updated.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. VSAN\_DOMAIN\_VSAN\_ID is an index based on the column VSAN\_ID.
2. VSAN\_DOMAIN\_SWITCH\_ID is an index based on the column SWITCH\_ID.

## VSAN\_ENDPORT\_INFO

This table provides the FCID for an end port in a VSAN. Use the VSAN\_ID to associate this end port with a VSAN in the VSAN table. [Table 1-81](#) describes the VSAN\_ENDPORT\_INFO database schema table.

**Table 1-81** VSAN\_ENDPORT\_INFO

Column Name	Data Type	Constraints	Description
VSAN_ID <sup>1</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the VSAN.
ENDPORT_ID <sup>2</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the end port.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-81 VSAN\_ENDPORT\_INFO**

Column Name	Data Type	Constraints	Description
FCID	INTEGER	—	Provides the FC ID of the end port in the VSAN.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. VSAN\_ENDPORT\_VSAN\_ID is an index based on the column VSAN\_ID.
2. VSAN\_ENDPORT\_ENDPORT\_ID is an index based on the column ENDPORT\_ID.

## VSAN\_ISL\_INFO

This table provides the status for an ISL in a VSAN. Use the VSAN\_ID to associate this ISL with a VSAN in the VSAN table. [Table 1-82](#) describes the VSAN\_ISL\_INFO database schema table.

**Table 1-82 VSAN\_ISL\_INFO**

Column Name	Data Type	Constraints	Description
VSAN_ID <sup>1</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the VSAN.
ISL_ID <sup>2</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the ISL.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. VSAN\_ISL\_VSAN\_ID is an index based on the column VSAN\_ID.
2. VSAN\_ISL\_ISL\_ID is an index based on the column ISL\_ID.

## XMLDOCS

This table describes the XML documents information. [Table 1-83](#) describes the XMLDOCS database schema table.

**Table 1-83 XMLDOCS**

Column Name	Data Type	Constraints	Description
DOCUMENT_TAB LE	VARCHAR2(256)	UNIQUE	Describes the document type.
USER_NAME	VARCHAR2(256)	UNIQUE	Describes the name of the user.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-83 XMLDOCS**

Column Name	Data Type	Constraints	Description
CONTENT	CLOB	—	Describes the content of each XML document.
LAST_UPDATE_TIME	TIMESTAMP	—	Indicates the time when the entry was updated.

## VSAN\_NPVL\_INFO

This table describes the VSAN NPVL information. [Table 1-84](#) describes the VSAN\_NPVL\_INFO database schema table.

**Table 1-84 VSAN\_NPVL\_INFO**

Column Name	Data Type	Constraints	Description
VSAN_ID <sup>1</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the VSAN.
NPVL_ID <sup>2</sup>	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of NPVL.
LAST_UPDATE_TIME	TIMESTAMP	—	Indicates the time when the entry was updated.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. VSAN\_NPVL\_VSAN\_ID is an index based on the column VSAN\_ID.
2. VSAN\_NPVL\_NPVL\_ID is an index based on the column NPVL\_ID.

## ZONE

This table describes a zone. Use the IS\_IVR to determine if this zone is an IVR zone. If it is an IVR zone, use the PARENT\_ID to associate this zone with a fabric in the FABRIC table. Otherwise, use the PARENT\_ID to associate this zone with a VSAN in the VSAN table. [Table 1-85](#) describes the ZONE database schema table.

**Table 1-85 ZONE**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry in the table.
PARENT_ID <sup>1</sup>	INTEGER	—	Provides the ID of the parent. Parent could be either a fabric (IVR zone) or VSAN.
IS_IVR <sup>2</sup>	NUMBER(1)	—	Indicates whether the zone is an IVR zone.
ZONE_INDEX	INTEGER	—	Describes the index of the zone.
NAME	VARCHAR2(256)	—	Describes the name of the zone.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

**Table 1-85**      **ZONE**

Column Name	Data Type	Constraints	Description
LAST_UPDATE_TIME	TIMESTAMP	—	Indicates the time when the entry was updated.
READ_ONLY	NUMBER(1)	—	Indicates whether the zone can be modified.
QOS	NUMBER(1)	—	Indicates whether QoS is supported by the zone.
QOS_PRIORITY	INTEGER	—	Priority of the LUN: 1 = none 2 = low 3 = medium 4 = high
BROADCAST	NUMBER(1)	—	Indicates whether the zone supports broadcast.
CFS_REGION_ID <sup>3</sup>	INTEGER	—	Provides the region ID of the CFS.
RESERVE_COL1	VARCHAR2(256)	—	Deprecated.
RESERVE_COL2	VARCHAR2(256)	—	Deprecated.

1. ZONE\_VSAN\_INDEX is an index based on the column PARENT\_ID.
2. ZONE\_ISIVR\_INDEX is an index based on the column IS\_IVR.
3. ZONE\_CFS\_INDEX is an index based on the column CFS\_REGION\_ID.

## ZONE\_MEMBER

This table describes a member of a zone. Use the ZONE\_ID to associate this member with a zone in the ZONE table. [Table 1-86](#) describes the ZONE\_MEMBER database schema table.

**Table 1-86**      **ZONE\_MEMBER**

Column Name	Data Type	Constraints	Description
ID	INTEGER	NOT NULL PRIMARY KEY	Provides the ID of the entry in the table.
ZONE_ID <sup>1</sup>	INTEGER	—	Provides the ID of the parent zone.
TYPE	INTEGER	—	Type of the member: 1 = zone 2 = alias
MEMBER_ID <sup>2</sup>	RAW(100)	—	Provides the ID of the zone member.
LUN_ID <sup>3</sup>	RAW(1000)	—	Provides the ID of LUNs.
LAST_UPDATE_TIME	TIMESTAMP	—	Provides the time when the entry was updated.
IVR_VSAN_ID	INTEGER	—	Provides the VSAN ID for the IVR zone member.
PORT_STATUS	RAW(100)	—	Deprecated.
AFID	INTEGER	—	Provides the AFID of the IVR zone member.
CFS_REGION_ID <sup>4</sup>	INTEGER	—	Provides the region ID of the CFS.
RESERVE_COL1	VARCHAR	—	Deprecated.
RESERVE_COL2	VARCHAR	—	Deprecated.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***

1. ZONE\_MEMBER\_ZONEID\_INDEX is an index based on the column ZONE\_ID.
2. ZONE\_MEMBER\_MEMBERID\_INDEX is an index based on the column MEMBER\_ID.
3. ZONE\_MEMBER\_LUN\_ID\_INDEX is an index based on the column LUN\_ID.
4. ZONE\_MEMBER\_CFS\_REGID\_INDEX is an index based on the column CFS\_REGION\_ID.

***Send documentation comments to [fm-docfeedback@cisco.com](mailto:fm-docfeedback@cisco.com)***