Diameter Credit Control Application MIB
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Abstract

Along with providing support for certain basic authentication, authorization and accounting functions, the Diameter base protocol is intended to provide a framework for AAA applications.

This document defines the Management Information Base (MIB) module which describes the minimum set of objects needed to manage an implementation of the Diameter Credit Control application.

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1. The Internet-Standard Management Framework

For a detailed overview of the documents that describe the current Internet-Standard Management Framework, please refer to section 7 of RFC 3410 [RFC3410].

Managed objects are accessed via a virtual information store, termed the Management Information Base or MIB. MIB objects are generally accessed through the Simple Network Management Protocol (SNMP). Objects in the MIB are defined using the mechanisms defined in the Structure of Management Information (SMI). This memo specifies a MIB module that is compliant to the SMIv2, which is described in STD 58, RFC 2578 [RFC2578], STD 58, RFC 2579 [RFC2579] and STD 58, RFC 2580 [RFC2580]. In particular, it describes managed objects used for managing the Diameter base protocol.

Discussion of this draft may be directed to the authors.

2. Requirements Language

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119].

3. Overview

The base Diameter protocol [RFC3588] is never used alone; it is always extended for a particular application. Four standard Diameter applications have been defined to date: NASREQ [RFC4005], Mobile IP [RFC4004] [RFC3141], Credit Control [RFC4006] and EAP [RFC4072]; others may be defined in the future.

This MIB defines objects supporting the management of the Diameter Credit Control Application protocol as described in [RFC4006]. The MIB specification for the Diameter base protocol [BASEMIB] SHOULD be implemented prior to the implementation of this MIB.

4. Diameter Credit Control Application MIB Definitions

DIAMETER-CC-APPLICATION-MIB DEFINITIONS ::= BEGIN

IMPORTS
  MODULE-IDENTITY,
  OBJECT-TYPE,
  Unsigned32,  

Zorn & Comerica Expires November 20, 2009 [Page 3]
Counter32
FROM SNMPv2-SMI -- [RFC2578]
MODULE-COMPLIANCE,
OBJECT-GROUP
FROM SNMPv2-CONF -- [RFC2580]
StorageType,
RowStatus
FROM SNMPv2-TC -- [RFC2579]
InetAddressType,
InetAddress
FROM INET-ADDRESS-MIB -- [RFC4001]
SnmpAdminString
FROM SNMP-FRAMEWORK-MIB; -- [RFC3411]

diameterCCAMIB MODULE-IDENTITY
LAST-UPDATED "200903060000Z" -- 06 March 2009
ORGANIZATION "IETF dime Working Group."
CONTACT-INFO
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Seattle, WA 98102
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Phone: +1 (206) 377 9035
Email: gwz@net-zen.net"
DESCRIPTION
"The MIB module for entities implementing the
Diameter Credit Control Application, RFC 4006.

Copyright (C) The Internet Society (2009). This initial
version of this MIB module was published in RFC yyyy;
for full legal notices see the RFC itself. Supplementary
information may be available on
-- RFC Ed.: replace yyyy with actual RFC number and remove this note

REVISION "200903060000Z" -- 06 March 2009
DESCRIPTION "Initial version as published in RFC yyyy"
-- RFC Ed.: replace yyyy with actual RFC number and remove this note
::= { mib-2 119 } -- Experimental value assigned by IANA.

-- Top-Level Components of this MIB.
diameterCcAppMIB OBJECT ::= 
{ diameterMIB 2 }
diameterCcAppTraps OBJECT IDENTIFIER ::= 
{ diameterCcAppMIB 0 }
diameterCcAppObjects OBJECT IDENTIFIER ::= 
{ diameterCcAppMIB 1 }
diameterCcAppConform OBJECT IDENTIFIER ::= 
  { diameterCcAppMIB 2 }

dccaHostCfgs OBJECT IDENTIFIER ::= 
  { diameterCcAppObjects 1 }
dccaPeerCfgs OBJECT IDENTIFIER ::= 
  { diameterCCAMIBObjects 2 }
dccaPeerStats OBJECT IDENTIFIER ::= 
  { diameterCcAppObjects 3 }

dccaHostID OBJECT-TYPE
SYNTAX      SnmpAdminString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
  "The implementation identification string for
  the Diameter software in use on the system,
  for example; 'diameterd'"
 ::= { dccaHostCfgs 1 }

dccaHostIpAddrTable OBJECT-TYPE
SYNTAX      SEQUENCE OF DccaHostIpAddrEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
  "The table listing the Diameter
  Credit Control host’s IP Addresses."
 ::= { dccaHostCfgs 2 }

dccaHostIpAddrEntry OBJECT-TYPE
SYNTAX      DccaHostIpAddrEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
  "A row entry representing a Diameter
  Credit Control host IP Address."
INDEX        { dccaHostIpAddrIndex }
 ::= { dccaHostIpAddrTable 1 }

DccaHostIpAddrEntry ::= SEQUENCE {
  dccaHostIpAddrIndex Unsigned32,
  dccaHostIpAddrType InetAddressType,
  dccaHostIpAddress  InetAddress
}

dccaHostIpAddrIndex OBJECT-TYPE
SYNTAX      Unsigned32 (1..4294967295 )
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
  "A number uniquely identifying the number
of IP Addresses supported by this Diameter Credit Control host.
::= { dccaHostIpAddrEntry 1 }

dccaHostIpAddrType OBJECT-TYPE
SYNTAX     InetAddressType
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
"The type of internet address stored in dccaHostIpAddress."
::= { dccaHostIpAddrEntry 2 }

dccaHostIpAddress OBJECT-TYPE
SYNTAX     InetAddress
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
"The IP-Address of the host, which is of the type specified in dccaHostIpAddrType."
::= { dccaHostIpAddrEntry 3 }

dccaPeerTable OBJECT-TYPE
SYNTAX     SEQUENCE OF DcaPeerEntry
MAX-ACCESS not-accessible
STATUS     current
DESCRIPTION
"The table listing information regarding the discovered or configured Diameter Credit Control peers."
::= { dccaPeerCfgs 1 }

dccaPeerEntry OBJECT-TYPE
SYNTAX     DcaPeerEntry
MAX-ACCESS not-accessible
STATUS     current
DESCRIPTION
"A row entry representing a discovered or configured Diameter Credit Control peer."
INDEX      { dccaPeerIndex }::= { dccaPeerTable 1 }

DcaPeerEntry ::= SEQUENCE {
dccaPeerIndex             Unsigned32,
dccaPeerId                 SnmpAdminString,
dccaPeerFirmwareRevision   Unsigned32,
dccaPeerStorageType        StorageType,
dccaPeerIndex OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A number uniquely identifying each Diameter Credit Control peer with which this host communicates."
::= { dccaPeerEntry 1 }

dccaPeerId OBJECT-TYPE
SYNTAX SnmpAdminString
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"The server identifier for the Diameter Credit Control peer."
::= { dccaPeerEntry 2 }

dccaPeerFirmwareRevision OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"Firmware revision of peer. If no firmware revision, the revision of the Diameter Credit Control software module may be reported instead."
::= { dccaPeerEntry 3 }

dccaPeerStorageType OBJECT-TYPE
SYNTAX StorageType
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"The storage type for this conceptual row. None of the columnar objects is writable when the conceptual row is permanent."
REFERENCE
"Textual Conventions for SMIv2, Section 2." DEFVAL { nonVolatile }
::= { dccaPeerEntry 4 }

dccaPeerStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-create
STATUS   current
DESCRIPTION
"The status of this conceptual row.

To create a row in this table, a manager must set this object to either createAndGo(4) or createAndWait(5).

Until instances of all corresponding columns are appropriately configured, the value of the corresponding instance of the dccaPeerRowStatus column is 'notReady'.

In particular, a newly created row cannot be made active until the corresponding dccaPeerId has been set.

dccaPeerId may not be modified while the value of this object is active(1):
An attempt to set these objects while the value of dccaPeerRowStatus is active(1) will result in an inconsistentValue error.

Entries in this table with dccaPeerRowStatus equal to active(1) remain in the table until destroyed.

Entries in this table with dccaPeerRowStatus equal to values other than active(1) will be destroyed after timeout (5 minutes).

If a dccaPeerId being created via SNMP already exists in another active dccaPeerEntry, then a newly created row cannot be made active until the original row with the dccaPeerId value is destroyed.

Upon reload, dccaPeerIndex values may be changed."

::= { dccaPeerEntry 5 }

dccaPeerVendorTable OBJECT-TYPE
SYNTAX        SEQUENCE OF DccaPeerVendorEntry
MAX-ACCESS    not-accessible
STATUS        current
DESCRIPTION   "The table listing the Vendor IDs
supported by the peer.
::= { dccaPeerCfgs 2 }
dccaPeerVendorEntry OBJECT-TYPE
SYNTAX       DccaPeerVendorEntry
MAX-ACCESS   not-accessible
STATUS       current
DESCRIPTION  
"A row entry representing a Vendor ID supported by the peer."
INDEX        
{ dccaPeerIndex,
  dccaPeerVendorIndex
}
 ::= { dccaPeerVendorTable 1 }

DccaPeerVendorEntry ::= SEQUENCE {
  dccaPeerVendorIndex        Unsigned32,
  dccaPeerVendorId           Unsigned32,
  dccaPeerVendorStorageType  StorageType,
  dccaPeerVendorRowStatus    RowStatus
}
dccaPeerVendorIndex OBJECT-TYPE
SYNTAX        Unsigned32 (1..4294967295 )
MAX-ACCESS    not-accessible
STATUS        current
DESCRIPTION   
"A number uniquely identifying the Vendor ID supported by the peer."
 ::= { dccaPeerVendorEntry 1 }
dccaPeerVendorId OBJECT-TYPE
SYNTAX        Unsigned32
MAX-ACCESS    read-create
STATUS        current
DESCRIPTION   
"The active Vendor IDs used for peer connections."
 ::= { dccaPeerVendorEntry 2 }
dccaPeerVendorStorageType OBJECT-TYPE
SYNTAX        StorageType
MAX-ACCESS    read-create
STATUS        current
DESCRIPTION   
"The storage type for this conceptual row. An agent implementing the table must allow adding
dccaPeerVendorId into the table. None of the
columnar objects is writable
when the conceptual row is permanent."

REFERENCE
"Textual Conventions for SMIv2, Section 2."

DEFVAL          { nonVolatile }
::= { dccaPeerVendorEntry 3 }

dccaPeerVendorRowStatus OBJECT-TYPE
SYNTAX          RowStatus
MAX-ACCESS      read-create
STATUS          current
DESCRIPTION
"The status of this conceptual row.

To create a row in this table, a manager must
set this object to either createAndGo(4) or
createAndWait(5).

Until instances of all corresponding columns
are appropriately configured, the value of the
corresponding instance of the
dccaPeerVendorRowStatus column is ’notReady’.

In particular, a newly created row cannot be
made active until the corresponding
dccaPeerVendorId has been set.

dccaPeerVendorId may not be modified while the
value of this object is active(1):
An attempt to set these objects while the
value of dccaPeerVendorRowStatus is active(1)
will result in an inconsistentValue error.

Entries in this table with
dccaPeerVendorRowStatus equal to
active(1) remain in the table until destroyed.

Entries in this table with
dccaPeerVendorRowStatus equal to
values other than active(1) will be destroyed
after timeout (5 minutes).

If the peer vendor id being created via SNMP
already exists
in another active dccaPeerVendorEntry,
then a newly
created row cannot be made active until the
original row with the peer vendor id value is
destroyed.

Upon reload, dccaPeerVendorIndex values may be
changed."
::= { dccaPeerVendorEntry 4 }

-- per-peer statistics
dccaPerPeerStatsTable OBJECT-TYPE
SYNTAX SEQUENCE OF dccaPerPeerStatsEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"The table listing the Diameter
Credit Control per-peer Statistics."
::= { dccaPeerStats 1 }
dccaPerPeerStatsEntry OBJECT-TYPE
SYNTAX dccaPerPeerStatsEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A row entry representing a Diameter
Credit Control Peer."
INDEX { dccaPeerIndex }
::= { dccaPerPeerStatsTable 1 }
dccaPerPeerStatsEntry ::= SEQUENCE {
dccaPerPeerStatsCCRIn                       Counter32,
dccaPerPeerStatsCCROut                      Counter32,
dccaPerPeerStatsCCRDropped                  Counter32,
dccaPerPeerStatsCCAIn                       Counter32,
dccaPerPeerStatsCCAOut                      Counter32,
dccaPerPeerStatsCCADropped                  Counter32,
dccaPerPeerStatsRARIn                       Counter32,
dccaPerPeerStatsRARDropped                  Counter32,
dccaPerPeerStatsRAAOut                      Counter32,
dccaPerPeerStatsRAADropped                  Counter32,
dccaPerPeerStatsAAAIn                       Counter32,
dccaPerPeerStatsAAADropped                  Counter32,
dccaPerPeerStatsASRIn OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Request (CCR) messages received, per peer."
 ::= { dccaPerPeerStatsEntry 2 }

dccaPerPeerStatsASRDropped OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Request (CCR) messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 3 }

dccaPerPeerStatsASAOut OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Answer (CCA) messages sent, per peer."
 ::= { dccaPerPeerStatsEntry 4 }

dccaPerPeerStatsASADropped OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Answer (CCA) messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 5 }

dccaPerPeerStatsCCRIn OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Request (CCR) messages received, per peer."
 ::= { dccaPerPeerStatsEntry 2 }

dccaPerPeerStatsCCROut OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Request (CCR) messages sent, per peer."
 ::= { dccaPerPeerStatsEntry 3 }

dccaPerPeerStatsCCRDropped OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Request (CCR) messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 4 }

dccaPerPeerStatsCCAIn OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Answer (CCA) messages received, per peer."
 ::= { dccaPerPeerStatsEntry 5 }

dccaPerPeerStatsCCAOUt OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Answer (CCA) messages sent, per peer."
 ::= { dccaPerPeerStatsEntry 3 }

dccaPerPeerStatsCCADropped OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Credit-Control-Answer (CCA) messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 4 }
messages sent, per peer."
 ::= { dccaPerPeerStatsEntry 6 }

dccaPerPeerStatsCCADropped OBJECT-TYPE
 SYNTAX      Counter32
 MAX-ACCESS read-only
 STATUS      current
 DESCRIPTION
  "Number of Diameter Credit-Control-Answer (CCA)
   messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 7 }

dccaPerPeerStatsRARIn OBJECT-TYPE
 SYNTAX      Counter32
 MAX-ACCESS read-only
 STATUS      current
 DESCRIPTION
  "Number of Diameter Re-Auth-Request (RAR)
   messages received, per peer."
 ::= { dccaPerPeerStatsEntry 8 }

dccaPerPeerStatsRARADropped OBJECT-TYPE
 SYNTAX      Counter32
 MAX-ACCESS read-only
 STATUS      current
 DESCRIPTION
  "Number of Diameter Re-Auth-Request (RAR)
   messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 9 }

dccaPerPeerStatsRAAOut OBJECT-TYPE
 SYNTAX      Counter32
 MAX-ACCESS read-only
 STATUS      current
 DESCRIPTION
  "Number of Diameter Re-Auth-Answer (RAA)
   messages transmitted, per peer."
 ::= { dccaPerPeerStatsEntry 10 }

dccaPerPeerStatsRARADropped OBJECT-TYPE
 SYNTAX      Counter32
 MAX-ACCESS read-only
 STATUS      current
 DESCRIPTION
  "Number of Diameter Re-Auth-Answer (RAA)
   messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 11 }
dccaPerPeerStatsSTROut OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
 "Number of Diameter
 Session-Termination-Request (STR)
 messages transmitted, per peer."
 ::= { dccaPerPeerStatsEntry 12 }

dccaPerPeerStatsSTRDropped OBJECT-TYPE
SYNTAX     Counter32
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
 "Number of Diameter
 Session-Termination-Request (STR)
 messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 13 }

dccaPerPeerStatsSTAIn OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
 "Number of Diameter
 Session-Termination-Answer (STA)
 messages received, per peer."
 ::= { dccaPerPeerStatsEntry 14 }

dccaPerPeerStatsSTADropped OBJECT-TYPE
SYNTAX     Counter32
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
 "Number of Diameter
 Session-Termination-Answer (STA)
 messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 15 }

dccaPerPeerStatsAAROut OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
 "Number of Diameter AA-Request (AAR)
 messages transmitted, per peer."
 ::= { dccaPerPeerStatsEntry 16 }
dccaPerPeerStatsAARDropped OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter AA-Request (AAR) messages dropped, per peer."
::= { dccaPerPeerStatsEntry 17 }

dccaPerPeerStatsAAAIn OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter AA-Answer (AAA) messages received, per peer."
::= { dccaPerPeerStatsEntry 18 }

dccaPerPeerStatsAADAARossed OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter AA-Answer (AAA) messages dropped, per peer."
::= { dccaPerPeerStatsEntry 19 }

dccaPerPeerStatsASRIn OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Abort-Session-Request (ASR) messages received, per peer."
::= { dccaPerPeerStatsEntry 20 }

dccaPerPeerStatsASRDropped OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"Number of Diameter Abort-Session-Request (ASR) messages dropped, per peer."
::= { dccaPerPeerStatsEntry 21 }

dccaPerPeerStatsASAOout OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
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STATUS      current
DESCRIPTION  "Number of Diameter Abort-Session-Answer
              (ASA) messages transmitted, per peer."
 ::= { dccaPerPeerStatsEntry 22 }

dccaPerPeerStatsASADropped OBJECT-TYPE
SYNTAX     Counter32
MAX-ACCESS read-only
STATUS     current
DESCRIPTION  "Number of Diameter Abort-Session-Answer
              (ASA) messages dropped, per peer."
 ::= { dccaPerPeerStatsEntry 23 }

-- -- Conformance -- dccaMIBCompliances

dccaMIBCompliances
OBJECT IDENTIFIER ::= { diameterCcAppConform 1 } dccaMIBGroups
OBJECT IDENTIFIER ::= { diameterCcAppConform 2 }

-- -- Compliance Statements --

dccaMIBCompliance MODULE-COMPLIANCE
STATUS     current
DESCRIPTION  "The compliance statement for Diameter Credit
              Control application entities."
MODULE -- this module
MANDATORY-GROUPS { dccaPeerStatsGroup }

GROUP
dccaHostCfgGroup
DESCRIPTION  "This group is only mandatory for a system that
              supports Local DCCA Host configuration."

GROUP
dccaPeerCfgGroup
DESCRIPTION  "This group is only mandatory for a system that
              supports DCCA Peer configuration."

 ::= { dccaMIBCompliances 1 }

-- -- Units of Conformance --
dccaHostCfgGroup OBJECT-GROUP
OBJECTS {
    dccaHostAddressType,
    dccaHostAddress,
    dccaHostId
}
STATUS current
DESCRIPTION
"A collection of objects providing
configuration common to the server."
::= { dccaMIBGroups 1 }

dccaPeerCfgGroup OBJECT-GROUP
OBJECTS {
    dccaPeerId,
    dccaPeerVendorId,
    dccaPeerStorageType,
    dccaPeerVendorStorageType,
    dccaPeerFirmwareRevision,
    dccaPeerRowStatus,
    dccaPeerVendorRowStatus
}
STATUS current
DESCRIPTION
"A collection of objects providing peer
configuration common to the server."
::= { dccaMIBGroups 2 }

dccaPeerStatsGroup OBJECT-GROUP
OBJECTS {
    dccaPeerStatsCCRIn,
    dccaPeerStatsCCROut,
    dccaPeerStatsCCRDropped,
    dccaPeerStatsCCAIn,
    dccaPeerStatsCCAOut,
    dccaPeerStatsCCADropped,
    dccaPeerStatsRARIn,
    dccaPeerStatsRARDropped,
    dccaPeerStatsRAAOut,
    dccaPeerStatsRAADropped,
    dccaPeerStatsSTROut,
    dccaPeerStatsSTRDropped,
    dccaPeerStatsSTAIn,
    dccaPeerStatsSTADropped,
    dccaPeerStatsAAROut,
    dccaPeerStatsAARDropped,
5. IANA Considerations

IANA is requested to assign an OID under mib-2.

6. Security Considerations

SNMPv1 by itself is not a secure environment. Even if the network itself is secure (for example by using IPSec), there is no control as to who on the secure network is allowed to access and GET (read) the objects in this MIB.

It is recommended that the implementers consider the security features as provided by the SNMPv3 framework. Specifically, the use of the User-based Security Model [RFC3414] and the View-based Access Control Model [RFC3415] is recommended.

It is then a customer/user responsibility to ensure that the SNMP entity giving access to an instance of this MIB, is properly configured to give access to the objects only to those principals (users) that have legitimate rights to indeed GET or SET (change/create/delete) them.

7. Acknowledgements

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8. References
8.1. Normative References


8.2. Informative References


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