

-- extracted from rfc2573.txt
-- at Mon Nov 15 17:12:03 1999

SNMP-PROXY-MIB DEFINITIONS ::= BEGIN

IMPORTS

MODULE-IDENTITY,
OBJECT-TYPE,
snmpModules
 FROM SNMPv2-SMI
RowStatus,
StorageType
 FROM SNMPv2-TC
SnmpEngineID,
SnmpAdminString
 FROM SNMP-FRAMEWORK-MIB
SnmpTagValue
 FROM SNMP-TARGET-MIB
MODULE-COMPLIANCE,
OBJECT-GROUP
 FROM SNMPv2-CONF;

snmpProxyMIB MODULE-IDENTITY

LAST-UPDATED "9808040000Z" -- Aug 4, 1998 12:00:00 AM
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DESCRIPTION

 "This MIB module defines MIB objects which provide mechanisms to remotely configure the parameters used by a proxy forwarding application."

REVISION "9808040000Z" -- Aug 4, 1998 12:00:00 AM

DESCRIPTION

 "Clarifications, published as RFC2573."

REVISION "9707140000Z" -- Jul 14, 1997 12:00:00 AM

DESCRIPTION

"The initial revision, published as RFC2273."

-- 1.3.6.1.6.3.14 -- ::= { snmpModules 14 }

snmpProxyObjects OBJECT IDENTIFIER

-- 1.3.6.1.6.3.14.1 -- ::= { snmpProxyMIB 1 }

snmpProxyConformance OBJECT IDENTIFIER

-- 1.3.6.1.6.3.14.3 -- ::= { snmpProxyMIB 3 }

--
--

-- The snmpProxyObjects group

--
--

snmpProxyTable OBJECT-TYPE

SYNTAX SEQUENCE OF SnmpProxyEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The table of translation parameters used by proxy forwarder applications for forwarding SNMP messages."

-- 1.3.6.1.6.3.14.1.2 -- ::= { snmpProxyObjects 2 }

snmpProxyEntry OBJECT-TYPE

SYNTAX SnmpProxyEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A set of translation parameters used by a proxy forwarder application for forwarding SNMP messages."

Entries in the snmpProxyTable are created and deleted using the snmpProxyRowStatus object."

INDEX {
 IMPLIED snmpProxyName
}

-- 1.3.6.1.6.3.14.1.2.1 -- ::= { snmpProxyTable 1 }

SnmpProxyEntry ::= SEQUENCE {
 snmpProxyName SnmpAdminString,
 snmpProxyType INTEGER,
 snmpProxyContextEngineID SnmpEngineID,
 snmpProxyContextName SnmpAdminString,
 snmpProxyTargetParamsIn SnmpAdminString,
 snmpProxySingleTargetOut SnmpAdminString,
 snmpProxyMultipleTargetOut SnmpTagValue,
 snmpProxyStorageType StorageType,
 snmpProxyRowStatus RowStatus
}

snmpProxyName OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (1..32))

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The locally arbitrary, but unique identifier associated with this snmpProxyEntry."

-- 1.3.6.1.6.3.14.1.2.1.1 -- ::= { snmpProxyEntry 1 }

snmpProxyType OBJECT-TYPE

SYNTAX INTEGER {
 read(1),
 write(2),
 trap(3),
 inform(4) }

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"The type of message that may be forwarded using the translation parameters defined by this entry."

-- 1.3.6.1.6.3.14.1.2.1.2 -- ::= { snmpProxyEntry 2 }

snmpProxyContextEngineID OBJECT-TYPE

SYNTAX SnmpEngineID

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"The contextEngineID contained in messages that may be forwarded using the translation parameters defined by this entry."

-- 1.3.6.1.6.3.14.1.2.1.3 -- ::= { snmpProxyEntry 3 }

snmpProxyContextName OBJECT-TYPE

SYNTAX SnmpAdminString

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"The contextName contained in messages that may be forwarded using the translation parameters defined by this entry."

This object is optional, and if not supported, the contextName contained in a message is ignored when selecting an entry in the snmpProxyTable."

-- 1.3.6.1.6.3.14.1.2.1.4 -- ::= { snmpProxyEntry 4 }

snmpProxyTargetParamsIn OBJECT-TYPE

SYNTAX SnmpAdminString

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object selects an entry in the snmpTargetParamsTable. The selected entry is used to determine which row of the snmpProxyTable to use for forwarding received messages."

-- 1.3.6.1.6.3.14.1.2.1.5 -- ::= { snmpProxyEntry 5 }

snmpProxySingleTargetOut OBJECT-TYPE

SYNTAX SnmpAdminString

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object selects a management target defined in the snmpTargetAddrTable (in the SNMP-TARGET-MIB). The selected target is defined by an entry in the snmpTargetAddrTable whose index value (snmpTargetAddrName) is equal to this object."

This object is only used when selection of a single target is required (i.e. when forwarding an incoming read or write request)."

-- 1.3.6.1.6.3.14.1.2.1.6 -- ::= { snmpProxyEntry 6 }

snmpProxyMultipleTargetOut OBJECT-TYPE

SYNTAX SnmpTagValue

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object selects a set of management targets defined in the snmpTargetAddrTable (in the SNMP-TARGET-MIB)."

This object is only used when selection of multiple targets is required (i.e. when forwarding an incoming notification)."

-- 1.3.6.1.6.3.14.1.2.1.7 -- ::= { snmpProxyEntry 7 }

snmpProxyStorageType OBJECT-TYPE

```

SYNTAX      StorageType
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    "The storage type of this conceptual row."
DEFVAL      { nonVolatile }
-- 1.3.6.1.6.3.14.1.2.1.8 -- ::= { snmpProxyEntry 8 }

snmpProxyRowStatus 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).

    The following objects may not be modified while the
    value of this object is active(1):
    - snmpProxyType
    - snmpProxyContextEngineID
    - snmpProxyContextName
    - snmpProxyTargetParamsIn
    - snmpProxySingleTargetOut
    - snmpProxyMultipleTargetOut"
-- 1.3.6.1.6.3.14.1.2.1.9 -- ::= { snmpProxyEntry 9 }
--
--
-- Conformance information
--
--

snmpProxyCompliances OBJECT IDENTIFIER
-- 1.3.6.1.6.3.14.3.1 -- ::= { snmpProxyConformance 1 }

snmpProxyGroups OBJECT IDENTIFIER
-- 1.3.6.1.6.3.14.3.2 -- ::= { snmpProxyConformance 2 }
--
--
-- Compliance statements
--
--

snmpProxyCompliance MODULE-COMPLIANCE
STATUS      current
DESCRIPTION
    "The compliance statement for SNMP entities which include
    a proxy forwarding application."
MODULE SNMP-TARGET-MIB
MANDATORY-GROUPS {
    snmpTargetBasicGroup,
    snmpTargetResponseGroup
}
MODULE
MANDATORY-GROUPS {
    snmpProxyGroup
}
-- 1.3.6.1.6.3.14.3.1.1 -- ::= { snmpProxyCompliances 1 }

snmpProxyGroup OBJECT-GROUP
OBJECTS {
    snmpProxyType,
    snmpProxyContextEngineID,
    snmpProxyContextName,
    snmpProxyTargetParamsIn,
    snmpProxySingleTargetOut,
    snmpProxyMultipleTargetOut,

```

```
        snmpProxyStorageType,
        snmpProxyRowStatus
    }
    STATUS          current
    DESCRIPTION
        "A collection of objects providing remote configuration of
        management target translation parameters for use by
        proxy forwarder applications."
-- 1.3.6.1.6.3.14.3.2.3 -- ::= { snmpProxyGroups 3 }
```

END

```
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