



Supported Violin MIB Definitions

Analyze, diagnose, and troubleshooting SNMP

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About this Document

This document contains an information base of network objects managed by SNMP.

Before You Begin

You need to have tools that can translate numeric object identifies (OIDs) into textual object identifiers using these MIB description files.

Document Purpose

This document is a reference to use for analyzing, diagnosing, and troubleshooting SNMP.

Audience

This document assumes the user is familiar with SNMP MIB objects.

This document assumes the user has a working knowledge of managing the network objects.

1 VIOLIN MEMORY-MIB DEFINITIONS ::= BEGIN

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The latest revision changes some vars that were Counters to be Gauges, where it makes more sense, and adds Gauge versions of some others, where it makes sense to have both views.

IMPORTS

```
OBJECT-TYPE, MODULE-IDENTITY, NOTIFICATION-TYPE, enterprises, Unsigned32, Counter64
    FROM SNMPv2-SMI
TEXTUAL-CONVENTION, DisplayString, TruthValue
    FROM SNMPv2-TC;
```

violin-memory MODULE-IDENTITY

```
LAST-UPDATED      "201303132159Z"
ORGANIZATION      "Violin Memory Inc."
CONTACT-INFO      "Support support@vmem.com"
DESCRIPTION       "Violin Memory Product MIB"
REVISION          "201303132159Z"
DESCRIPTION       "Automatic revision"
::= { enterprises 35897 }
```

-- start: autogenerated on 2013-03-13T21:59:45+00:00

Object Name	Object Identifier
products	::= { violin-memory 1 }
experimental	::= { violin-memory 3 }
violin-memory-trap	::= { violin-memory 5 }
memoryArray	::= { products 1 }
memoryGateway	::= { products 2 }
chassis	::= { memoryArray 1 }
vShare	::= { memoryGateway 1 }
appliance	::= { memoryGateway 2 }
vCache	::= { memoryGateway 3 }
nfs	::= { vCache 2 }
topology	::= { appliance 1 }
variables	::= { appliance 2 }
media	::= { appliance 3 }

1.1 systemVersion OBJECT IDENTIFIER ::= { variables 1 }

systemVersion OBJECT IDENTIFIER ::= { variables 1 }	
Object Type	Details
composite	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Appliance software version string" ::= { systemVersion 1 }
release	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Appliance release version" ::= { systemVersion 2 }

1.2 clusterConfig OBJECT IDENTIFIER ::= { variables 2 }

clusterConfig OBJECT IDENTIFIER ::= { variables 2 }	
Object Type	Details
enable	SYNTAX TruthValue MAX-ACCESS read-only STATUS current DESCRIPTION Cluster enabled" ::= { clusterConfig 1 }
expectedNodes	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION Number of modules expected in the cluster" ::= { clusterConfig 2 }
id	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Numeric id of the cluster" ::= { clusterConfig 3 }
interface	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION interface" ::= { clusterConfig 4 }
masterAutoDiscovery	SYNTAX TruthValue MAX-ACCESS read-only STATUS current

clusterConfig OBJECT IDENTIFIER ::= { variables 2 }	
Object Type	Details
	DESCRIPTION masterAutoDiscovery" ::= { clusterConfig 5 }
masterInterface	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION masterInterface" ::= { clusterConfig 6 }
masterIp	SYNTAX IpAddress MAX-ACCESS read-only STATUS current DESCRIPTION masterIp" ::= { clusterConfig 7 }
masterPort	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION masterPort" ::= { clusterConfig 8 }
masterVip	SYNTAX IpAddress MAX-ACCESS read-only STATUS current DESCRIPTION masterVip" ::= { clusterConfig 9 }
masterVipMasklen	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION masterVipMasklen" ::= { clusterConfig 10 }
mdnska	SYNTAX TruthValue MAX-ACCESS read-only STATUS current DESCRIPTION mdnska" ::= { clusterConfig 11 }
serviceDescr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION serviceDescr" ::= { clusterConfig 12 }
startupTime	SYNTAX DisplayString MAX-ACCESS read-only

clusterConfig OBJECT IDENTIFIER ::= { variables 2 }	
Object Type	Details
	STATUS current DESCRIPTION startupTime" ::= { clusterConfig 13 }

1.3 clusterLocal OBJECT IDENTIFIER ::= { topology 2 }

clusterLocal OBJECT IDENTIFIER ::= { topology 2 }	
Object Type	Details
addr	SYNTAX IpAddress MAX-ACCESS read-only STATUS current DESCRIPTION Internal IP address of the module" ::= { clusterLocal 1 }
errorStatus	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Error status string" ::= { clusterLocal 2 }
flags	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Flags for this module" ::= { clusterLocal 3 }
hbtFrom	SYNTAX INTEGER MAX-ACCESS read-only STATUS current DESCRIPTION Heartbeat from" ::= { clusterLocal 4 }
hbtTo	SYNTAX INTEGER MAX-ACCESS read-only STATUS current DESCRIPTION Heartbeat to" ::= { clusterLocal 5 }
hostid	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Host ID of the module" ::= { clusterLocal 6 }
hostname	SYNTAX DisplayString

clusterLocal OBJECT IDENTIFIER ::= { topology 2 }	
Object Type	Details
	MAX-ACCESS read-only STATUS current DESCRIPTION Host name of the module" ::= { clusterLocal 7 }
hostnameShort	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Host cwname short" ::= { clusterLocal 8 }
id	SYNTAX INTEGER MAX-ACCESS read-only STATUS current DESCRIPTION ID of the module" ::= { clusterLocal 9 }
master	SYNTAX TruthValue MAX-ACCESS read-only STATUS current DESCRIPTION Is module cluster master?" ::= { clusterLocal 10 }
port	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION TCP port number for cluster use on the module" ::= { clusterLocal 11 }
role	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Role of the module" ::= { clusterLocal 12 }
standby	SYNTAX TruthValue MAX-ACCESS read-only STATUS current DESCRIPTION Is module standby module?" ::= { clusterLocal 13 }
state	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Module state" ::= { clusterLocal 14 }

1.4 clusterMaster OBJECT IDENTIFIER ::= { topology 3 }

clusterMaster OBJECT IDENTIFIER ::= { topology 3 }	
Object Type	Details
addr	SYNTAX IpAddress MAX-ACCESS read-only STATUS current DESCRIPTION Internal IP address of the module" ::= { clusterMaster 1 }
errorStatus	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Error status string" ::= { clusterMaster 2 }
flags	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Flags for this module" ::= { clusterMaster 3 }
hbtFrom	SYNTAX INTEGER MAX-ACCESS read-only STATUS current DESCRIPTION Heartbeat from" ::= { clusterMaster 4 }
hbtTo	SYNTAX INTEGER MAX-ACCESS read-only STATUS current DESCRIPTION Heartbeat to" ::= { clusterMaster 5 }
hostid	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Host ID of the module" ::= { clusterMaster 6 }
hostname	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Host name of the module" ::= { clusterMaster 7 }
hostnameShort	SYNTAX DisplayString MAX-ACCESS read-only STATUS current

clusterMaster OBJECT IDENTIFIER ::= { topology 3 }	
Object Type	Details
	DESCRIPTION Host cwname short" ::= { clusterMaster 8 }
id	SYNTAX INTEGER MAX-ACCESS read-only STATUS current DESCRIPTION ID of the module" ::= { clusterMaster 9 }
master	SYNTAX TruthValue MAX-ACCESS read-only STATUS current DESCRIPTION Is module cluster master?" ::= { clusterMaster 10 }
port	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION TCP port number for cluster use on the module" ::= { clusterMaster 11 }
role	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Role of the module" ::= { clusterMaster 12 }
standby	SYNTAX TruthValue MAX-ACCESS read-only STATUS current DESCRIPTION Is module standby module?" ::= { clusterMaster 13 }
state	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Module state" ::= { clusterMaster 14 }

1.5 mediaGroup OBJECT IDENTIFIER ::= { media 1 }

mediaGroup OBJECT IDENTIFIER ::= { media 1 }	
Object Type	Details
cacheTotalBytes	SYNTAX DisplayString MAX-ACCESS read-only

mediaGroup OBJECT IDENTIFIER ::= { media 1 }	
Object Type	Details
	STATUS current DESCRIPTION "Cache total bytes" ::= { mediaGroup 1 }
systemRamBlockSz	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION "Block size" ::= { mediaGroup 2 }
systemRamNumBlocks	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION "Number of Blocks" ::= { mediaGroup 3 }
systemRamOffset	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION "Offset" ::= { mediaGroup 4 }
nfsCacheBlockSz	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION "Device name" ::= { mediaGroup 5 }
nfsCacheNumBlocks	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION "Size bytes" ::= { mediaGroup 6 }

1.6 localNFSSStats OBJECT IDENTIFIER ::= { nfs 1 }

localNFSSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
avgAccessDeniedRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION "avgAccessDeniedRespTimeDev" ::= { localNFSSStats 1 }
avgAccessDeniedRespTimeInUs	SYNTAX DisplayString

localNFSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
	MAX-ACCESS read-only STATUS current DESCRIPTION avgAccessDeniedRespTimeInUs" ::= { localNFSStats 2 }
avgAttrHitRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgAttrHitRespTimeDev" ::= { localNFSStats 3 }
avgAttrHitRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgAttrHitRespTimeInUs" ::= { localNFSStats 4 }
avgAttrMissRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgAttrMissRespTimeDev" ::= { localNFSStats 5 }
avgAttrMissRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgAttrMissRespTimeInUs" ::= { localNFSStats 6 }
avgAttrWriteRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgAttrWriteRespTimeDev" ::= { localNFSStats 7 }
avgAttrWriteRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgAttrWriteRespTimeInUs" ::= { localNFSStats 8 }
avgCachePlusNetDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgCachePlusNetDev" ::= { localNFSStats 9 }

localNFSSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
avgCachePlusNetInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgCachePlusNetInUs" ::= { localNFSSStats 10 }
avgContHitRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgContHitRespTimeDev" ::= { localNFSSStats 11 }
avgContHitRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgContHitRespTimeInUs" ::= { localNFSSStats 12 }
avgContMissRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgContMissRespTimeDev" ::= { localNFSSStats 13 }
avgContMissRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgContMissRespTimeInUs" ::= { localNFSSStats 14 }
avgContWriteRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgContWriteRespTimeDev" ::= { localNFSSStats 15 }
avgContWriteRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgContWriteRespTimeInUs" ::= { localNFSSStats 16 }
avgNetworkRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgNetworkRespTimeDev"

localNFSSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
	::= { localNFSSStats 17 }
avgNetworkRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgNetworkRespTimeInUs" ::= { localNFSSStats 18 }
avgPassRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgPassRespTimeDev" ::= { localNFSSStats 19 }
avgPassRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgPassRespTimeInUs" ::= { localNFSSStats 20 }
avgRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgRespTimeDev" ::= { localNFSSStats 21 }
avgRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgRespTimeInUs" ::= { localNFSSStats 22 }
avgServRespTimeDev	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgServRespTimeDev" ::= { localNFSSStats 23 }
avgServRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION avgServRespTimeInUs" ::= { localNFSSStats 24 }
cacheFxCusedBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current

localNFSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
	DESCRIPTION Bytes in use for NFS caching" ::= { localNFSStats 25 }
cacheHits	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Number of NFS cache hits in the last sample period" ::= { localNFSStats 26 }
cacheMisses	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Number of NFS cache misses in the last sample period" ::= { localNFSStats 27 }
cacheWrites	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Number of NFS cache writes in the last sample period" ::= { localNFSStats 28 }
clientByteCount	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION clientByteCount" ::= { localNFSStats 29 }
contentAllocBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION contentAllocBytes" ::= { localNFSStats 30 }
dirMetaDataBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION dirMetaDataBytes" ::= { localNFSStats 31 }
dirMetaUsedBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION dirMetaUsedBytes" ::= { localNFSStats 32 }

localNFSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
fileContentDataBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION fileContentDataBytes" ::= { localNFSStats 33 }
fileContentUsedBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION fileContentUsedBytes" ::= { localNFSStats 34 }
fileMetaUsedBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION fileMetaUsedBytes" ::= { localNFSStats 35 }
lruBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION lruBytes" ::= { localNFSStats 36 }
lruFiles	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION lruFiles" ::= { localNFSStats 37 }
mfu	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION mfu" ::= { localNFSStats 38 }
numCachedFiles	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION numCachedFiles" ::= { localNFSStats 39 }
numCachedUsers	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION numCachedUsers"

localNFSSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
	::= { localNFSSStats 40 }
peakCachedFiles	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION peakCachedFiles" ::= { localNFSSStats 41 }
peakCachedUsers	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION peakCachedUsers" ::= { localNFSSStats 42 }
readBandwidth	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION readBandwidth" ::= { localNFSSStats 43 }
serverByteCount	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION serverByteCount" ::= { localNFSSStats 44 }
statsIntervallnSecs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION statsIntervallnSecs" ::= { localNFSSStats 45 }
systemAllocBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION systemAllocBytes" ::= { localNFSSStats 46 }
totAccessDeniedRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAccessDeniedRespTimeInUs" ::= { localNFSSStats 47 }
totAccessDeniedRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current

localNFSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
	DESCRIPTION totAccessDeniedRespTimeSqr" ::= { localNFSStats 48 }
totAccessDeniedResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAccessDeniedResp" ::= { localNFSStats 49 }
totAttrHitRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAttrHitRespTimeInUs" ::= { localNFSStats 50 }
totAttrHitRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAttrHitRespTimeSqr" ::= { localNFSStats 51 }
totAttrHitResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAttrHitResp" ::= { localNFSStats 52 }
totAttrMissRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAttrMissRespTimeInUs" ::= { localNFSStats 53 }
totAttrMissRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAttrMissRespTimeSqr" ::= { localNFSStats 54 }
totAttrMissResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAttrMissResp" ::= { localNFSStats 55 }
totAttrWriteRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only

localNFSSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
	STATUS current DESCRIPTION totAttrWriteRespTimeInUs" ::= { localNFSSStats 56 }
totAttrWriteRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAttrWriteRespTimeSqr" ::= { localNFSSStats 57 }
totAttrWriteResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totAttrWriteResp" ::= { localNFSSStats 58 }
totCachePlusNetInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totCachePlusNetInUs" ::= { localNFSSStats 59 }
totCachePlusNetSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totCachePlusNetSqr" ::= { localNFSSStats 60 }
totContHitRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totContHitRespTimeInUs" ::= { localNFSSStats 61 }
totContHitRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totContHitRespTimeSqr" ::= { localNFSSStats 62 }
totContHitResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totContHitResp" ::= { localNFSSStats 63 }
totContMissRespTimeInUs	SYNTAX DisplayString

localNFSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
	MAX-ACCESS read-only STATUS current DESCRIPTION totContMissRespTimeInUs" ::= { localNFSStats 64 }
totContMissRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totContMissRespTimeSqr" ::= { localNFSStats 65 }
totContMissResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totContMissResp" ::= { localNFSStats 66 }
totContWriteRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totContWriteRespTimeInUs" ::= { localNFSStats 67 }
totContWriteRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totContWriteRespTimeSqr" ::= { localNFSStats 68 }
totContWriteResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totContWriteResp" ::= { localNFSStats 69 }
totNetworkRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totNetworkRespTimeInUs" ::= { localNFSStats 70 }
totNetworkRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totNetworkRespTimeSqr" ::= { localNFSStats 71 }

localNFSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
totPassRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totPassRespTimeInUs" ::= { localNFSStats 72 }
totPassRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totPassRespTimeSqr" ::= { localNFSStats 73 }
totPassResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totPassResp" ::= { localNFSStats 74 }
totRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totRespTimeInUs" ::= { localNFSStats 75 }
totRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totRespTimeSqr" ::= { localNFSStats 76 }
totResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totResp" ::= { localNFSStats 77 }
totServRespTimeInUs	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totServRespTimeInUs" ::= { localNFSStats 78 }
totServRespTimeSqr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totServRespTimeSqr"

localNFSSStats OBJECT IDENTIFIER ::= { nfs 1 }	
Object Type	Details
	::= { localNFSSStats 79 }
totServResp	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totServResp" ::= { localNFSSStats 80 }
totalAllocBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totalAllocBytes" ::= { localNFSSStats 81 }
totalDataBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totalDataBytes" ::= { localNFSSStats 82 }
totalUsedBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION totalUsedBytes" ::= { localNFSSStats 83 }
userAllocBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION userAllocBytes" ::= { localNFSSStats 84 }
userUsedBytes	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION userUsedBytes" ::= { localNFSSStats 85 }
writeBandwidth	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION writeBandwidth" ::= { localNFSSStats 86 }

1.7 vShareState OBJECT IDENTIFIER ::= { vShare 1 }

vShareState OBJECT IDENTIFIER ::= { vShare 1 }	
Object Type	Details
lunCreateStatus	SYNTAX NTEGER MAX-ACCESS read-only STATUS current DESCRIPTION Lun create status" ::= { vShareState 1 }
lunCreateStatusStr	SYNTAX DisplayString MAX-ACCESS read-only STATUS current DESCRIPTION Lun create status string" ::= { vShareState 2 }

1.7.1 Tables

This section contains the following tables:

- (/cluster/state/global)
- (/media/state/device)
- (/media/state/location)
- (/media/state/cache)
- (/media/smart/device/*/attr)
- (/media/smart/location/*/attr)
- (/media/state/array)
- (/media/state/array/*/chassis/system/fan)
- (/media/state/block)
- (/media/stats/location)
- (/media/stats/device)
- (/vshare/state/local/container)
- (/vshare/state/local/container/*/lun)
- (/vshare/state/global/*/container)
- (/vshare/state/global/*/container/*/lun)
- (/vshare/state/local/target/fc)
- (/vshare/state/local/target/fc/*/session)
- (/vshare/state/local/target/iscsi)
- (/vshare/state/local/target/iscsi/*/session)
- (/vshare/state/global/*/target/fc)
- (/vshare/state/global/*/target/fc/*/session)
- (/vshare/state/global/*/target/iscsi)
- (/vshare/state/global/*/target/iscsi/*/session)
- (/vshare/state/snapshot/container/*/lun/*/snap)
- (/vshare/state/lungroup/container/*/lungroup)
- (/vshare/state/lungroup/container/*/lungroup/*/lun)
- (/vshare/state/snapgroup/container/*/lungroup/*/snapgroup)
- (/vshare/state/snapgroup/container/*/lungroup/*/snapgroup/*/snap)
- (/vshare/stats/target/fc)

1.7.1.1 (/cluster/state/global)

(/cluster/state/global)	
Object Type	Details
clusterGlobalTable	SYNTAX SEQUENCE OF ClusterGlobalEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION clusterGlobal" ::= { topology 1 }
clusterGlobalEntry	SYNTAX ClusterGlobalEntry

(/cluster/state/global)	
Object Type	Details
	MAX-ACCESS not-accessible STATUS current DESCRIPTION One clusterGlobal" INDEX { clusterGlobalIdx } ::= { clusterGlobalTable 1 }

ClusterGlobalEntry ::=

```
SEQUENCE {
  clusterGlobalIdx
    INTEGER,
  addr
    IpAddress,
  clusterAddr
    IpAddress,
  flags
    DisplayString,
  hbtFrom
    INTEGER,
  hbtTo
    INTEGER,
  hostid
    DisplayString,
  hostname
    DisplayString,
  hostnameShort
    DisplayString,
  id
    INTEGER,
  primaryAddr
    IpAddress,
  role
    DisplayString,
  state
    DisplayString
}
```

from /cluster/state/global/*/cluster_global_idx

clusterGlobalIdx OBJECT-TYPE

SYNTAX INTEGER

MAX-ACCESS read-only

STATUS current

DESCRIPTION Table Index"

::= { clusterGlobalEntry 1 }

from /cluster/state/global/*/addr

addr OBJECT-TYPE

SYNTAX pAddress
MAX-ACCESS read-only
STATUS current
DESCRIPTION Internal IP address of the module"
::= { clusterGlobalEntry 2 }

from /cluster/state/global/*/cluster_addr
clusterAddr OBJECT-TYPE
SYNTAX IpAddress
MAX-ACCESS read-only
STATUS current
DESCRIPTION IP address of the module"
::= { clusterGlobalEntry 3 }

from /cluster/state/global/*/flags
flags OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Flags for this module"
::= { clusterGlobalEntry 4 }

from /cluster/state/global/*/hbt_from
hbtFrom OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION Heartbeat from"
::= { clusterGlobalEntry 5 }

from /cluster/state/global/*/hbt_to
hbtTo OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION Heartbeat to"
::= { clusterGlobalEntry 6 }

from /cluster/state/global/*/hostid
hostid OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Host ID of the module"
::= { clusterGlobalEntry 7 }

from /cluster/state/global/*/hostname
hostname OBJECT-TYPE

SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Host name of the module"
::= { clusterGlobalEntry 8 }

from /cluster/state/global/*/hostname_short
hostnameShort OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Host cwname short"
::= { clusterGlobalEntry 9 }

from /cluster/state/global/*/id
id OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION ID of the module"
::= { clusterGlobalEntry 10 }

from /cluster/state/global/*/primary_addr
primaryAddr OBJECT-TYPE
SYNTAX IpAddress
MAX-ACCESS read-only
STATUS current
DESCRIPTION External IP address of the module"
::= { clusterGlobalEntry 11 }

from /cluster/state/global/*/role
role OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Role of the module"
::= { clusterGlobalEntry 12 }

from /cluster/state/global/*/state
state OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Module state"
::= { clusterGlobalEntry 13 }

1.7.1.2 (/media/state/device)

(/media/state/device)	
Object Type	Details
mediaDevTable	SYNTAX SEQUENCE OF MediaDevEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION mediaDev" ::= { media 11 }
mediaDevEntry	SYNTAX MediaDevEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One mediaDev" INDEX { mediaDevIdx } ::= { mediaDevTable 1 }

MediaDevEntry ::=

```

SEQUENCE {
    mediaDevIdx
        DisplayString,
    devId
        DisplayString,
    fwVersion
        DisplayString,
    g6Model
        DisplayString,
    g6PartNo
        DisplayString,
    g6Revision
        DisplayString,
    g6SerialNo
        DisplayString,
    location
        DisplayString,
    mfrModel
        DisplayString,
    mfrSerialNo
        DisplayString,
    size
        DisplayString,
    status
        DisplayString,
    type
        DisplayString,
    lifeRemain
        INTEGER,
    healthStatus
        DisplayString

```

}

from /media/state/device/*/media_dev_idx

mediaDevIdx OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Table Index"

::= { mediaDevEntry 1 }

from /media/state/device/*/dev_id

devId OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Device ID"

::= { mediaDevEntry 2 }

from /media/state/device/*/fw_version

fwVersion OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Firmware version"

::= { mediaDevEntry 3 }

from /media/state/device/*/g6_model

g6Model OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Violin Memory Model"

::= { mediaDevEntry 4 }

from /media/state/device/*/g6_part_no

g6PartNo OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Violin Memory Part Number"

::= { mediaDevEntry 5 }

from /media/state/device/*/g6_revision

g6Revision OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Violin Memory Revision"

::= { mediaDevEntry 6 }

from /media/state/device/*/g6_serial_no

g6SerialNo OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Violin Memory Serial Number"

::= { mediaDevEntry 7 }

from /media/state/device/*/location

location OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Location"

::= { mediaDevEntry 8 }

from /media/state/device/*/mfr_model

mfrModel OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Manufacturer Model Number"

::= { mediaDevEntry 9 }

from /media/state/device/*/mfr_serial_no

mfrSerialNo OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Manufacturer Serial Number"

::= { mediaDevEntry 10 }

from /media/state/device/*/size

size OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Size (in bytes)"

::= { mediaDevEntry 11 }

from /media/state/device/*/status

status OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Status"

::= { mediaDevEntry 12 }

from /media/state/device/*/type

type OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Device Type"

::= { mediaDevEntry 13 }

from /media/state/device/*/life_remain

lifeRemain OBJECT-TYPE

SYNTAX INTEGER

MAX-ACCESS read-only

STATUS current

DESCRIPTION Life remain"

::= { mediaDevEntry 14 }

from /media/state/device/*/health_status

healthStatus OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Health status"

::= { mediaDevEntry 15 }

1.7.1.3 (/media/state/location)

(/media/state/location)	
Object Type	Details
mediaLocTable	SYNTAX SEQUENCE OF MediaLocEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION mediaLoc" ::= { media 12 }
mediaLocEntry	SYNTAX MediaLocEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One mediaLoc" INDEX { mediaLocIdx } ::= { mediaLocTable 1 }

MediaLocEntry ::=

SEQUENCE {

mediaLocIdx

DisplayString,

devId


```
    DisplayString,
fwVersion
    DisplayString,
g6Model
    DisplayString,
g6PartNo
    DisplayString,
g6Revision
    DisplayString,
g6SerialNo
    DisplayString,
location
    DisplayString,
mfrModel
    DisplayString,
mfrSerialNo
    DisplayString,
size
    DisplayString,
status
    DisplayString,
type
    DisplayString,
lifeRemain
    INTEGER,
healthStatus
    DisplayString
}
```

```
from /media/state/location/*/media_loc_idx
mediaLocIdx OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION "Table index"
::= { mediaLocEntry 1 }
```

```
from /media/state/location/*/dev_id
devId OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION "Device ID"
::= { mediaLocEntry 2 }
```

```
from /media/state/location/*/fw_version
fwVersion OBJECT-TYPE
SYNTAX      DisplayString
```

MAX-ACCESS read-only
STATUS current
DESCRIPTION Firmware version"
::= { mediaLocEntry 3 }

from /media/state/location/*/g6_model
g6Model OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Violin Memory Model"
::= { mediaLocEntry 4 }

from /media/state/location/*/g6_part_no
g6PartNo OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Violin Memory Part Number"
::= { mediaLocEntry 5 }

from /media/state/location/*/g6_revision
g6Revision OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Violin Memory Revision"
::= { mediaLocEntry 6 }

from /media/state/location/*/g6_serial_no
g6SerialNo OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Violin Memory Serial Number"
::= { mediaLocEntry 7 }

from /media/state/location*/location
location OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Location"
::= { mediaLocEntry 8 }

from /media/state/location*/mfr_model
mfrModel OBJECT-TYPE
SYNTAX DisplayString

MAX-ACCESS read-only
STATUS current
DESCRIPTION Manufacturer Model Number"
::= { mediaLocEntry 9 }

from /media/state/location/*/mfr_serial_no
mfrSerialNo OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Manufacturer Serial Number"
::= { mediaLocEntry 10 }

from /media/state/location/*/size
size OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Size (in bytes)"
::= { mediaLocEntry 11 }

from /media/state/location/*/status
status OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Status"
::= { mediaLocEntry 12 }

from /media/state/location/*/type
type OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Device Type"
::= { mediaLocEntry 13 }

from /media/state/location/*/life_remain
lifeRemain OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION Life remain"
::= { mediaLocEntry 14 }

from /media/state/location/*/health_status
healthStatus OBJECT-TYPE
SYNTAX DisplayString

MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Health status"
 ::= { mediaLocEntry 15 }

1.7.1.4 (/media/state/cache)

(/media/state/cache)	
Object Type	Details
mediaCacheTable	SYNTAX SEQUENCE OF MediaCacheEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION mediaCache" ::= { media 13 }
mediaCacheEntry	SYNTAX MediaCacheEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One mediaCache" INDEX { mediaCacheIdx } ::= { mediaCacheTable 1 }

MediaCacheEntry ::= SEQUENCE {

```

  mediaCacheIdx
    DisplayString,
  blockSize
    DisplayString,
  devId
    DisplayString,
  devPath
    DisplayString,
  location
    DisplayString,
  numBlocks
    DisplayString,
  offset
    DisplayString,
  serialNo
    DisplayString,
  status
    DisplayString,
  type
    DisplayString
}

```

from /media/state/cache/*/media_cache_idx

mediaCacheIdx OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index"
::= { mediaCacheEntry 1 }

from /media/state/cache/*/block_sz
blockSz OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Block size"
::= { mediaCacheEntry 2 }

from /media/state/cache/*/dev_id
devId OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Device ID"
::= { mediaCacheEntry 3 }

from /media/state/cache/*/dev_path
devPath OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Device path"
::= { mediaCacheEntry 4 }

from /media/state/cache/*/location
location OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Location"
::= { mediaCacheEntry 5 }

from /media/state/cache/*/num_blocks
numBlocks OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Number of blocks"
::= { mediaCacheEntry 6 }

from /media/state/cache/*/offset

offset OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Offset"
 ::= { mediaCacheEntry 7 }

from /media/state/cache/*/serial_no
 serialNo OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Serial no"
 ::= { mediaCacheEntry 8 }

from /media/state/cache/*/status
 status OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Status"
 ::= { mediaCacheEntry 9 }

from /media/state/cache/*/type
 type OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Type"
 ::= { mediaCacheEntry 10 }

1.7.1.5 (/media/smart/device*/attr)

(/media/smart/device*/attr)	
Object Type	Details
mediaSmartDevTable	SYNTAX SEQUENCE OF MediaSmartDevEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION mediaSmartDev" ::= { media 14 }
mediaSmartDevEntry	SYNTAX MediaSmartDevEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One mediaSmartDev" INDEX { mediaSmartDevIdx1, mediaSmartDevIdx2 } ::= { mediaSmartDevTable 1 }

```

MediaSmartDevEntry ::=
SEQUENCE {
    mediaSmartDevIdx1
        DisplayString,
    mediaSmartDevIdx2
        DisplayString,
    stateHidden
        TruthValue,
    stateMaxNorm
        Unsigned32,
    stateName
        DisplayString,
    stateThreshold
        Unsigned32,
    stateType
        DisplayString,
    stateUpdated
        DisplayString,
    stateWhenFailed
        DisplayString,
    stateStatus
        DisplayString,
    statsNormValue
        Unsigned32,
    statsWorstValue
        Unsigned32,
    statsRawValue
        Unsigned32
}

```

```

from /media/smart/device/*/attr*/media_smart_dev_idx1
mediaSmartDevIdx1 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     Device Id"
::= { mediaSmartDevEntry 1 }

```

```

from /media/smart/device/*/attr*/media_smart_dev_idx2
mediaSmartDevIdx2 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     Attr Id"
::= { mediaSmartDevEntry 2 }

```

```

from /media/smart/device/*/attr*/state/hidden
stateHidden OBJECT-TYPE

```

SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION Hidden"
::= { mediaSmartDevEntry 3 }

from /media/smart/device/*/attr*/state/max_norm
stateMaxNorm OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Max norm"
::= { mediaSmartDevEntry 4 }

from /media/smart/device/*/attr*/state/name
stateName OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Name"
::= { mediaSmartDevEntry 5 }

from /media/smart/device/*/attr*/state/threshold
stateThreshold OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Threshold"
::= { mediaSmartDevEntry 6 }

from /media/smart/device/*/attr*/state/type
stateType OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Type"
::= { mediaSmartDevEntry 7 }

from /media/smart/device/*/attr*/state/updated
stateUpdated OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Updated"
::= { mediaSmartDevEntry 8 }

from /media/smart/device/*/attr*/state/when_failed
stateWhenFailed OBJECT-TYPE

SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION When failed"
 ::= { mediaSmartDevEntry 9 }

from /media/smart/device/*/attr*/state/status
 stateStatus OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Status"
 ::= { mediaSmartDevEntry 10 }

from /media/smart/device/*/attr*/stats/norm_value
 statsNormValue OBJECT-TYPE
 SYNTAX Unsigned32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Norm value"
 ::= { mediaSmartDevEntry 11 }

from /media/smart/device/*/attr*/stats/worst_value
 statsWorstValue OBJECT-TYPE
 SYNTAX Unsigned32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Worst value"
 ::= { mediaSmartDevEntry 12 }

from /media/smart/device/*/attr*/stats/raw_value
 statsRawValue OBJECT-TYPE
 SYNTAX Unsigned32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Raw value"
 ::= { mediaSmartDevEntry 13 }

1.7.1.6 (/media/smart/location*/attr)

(/media/smart/location*/attr)	
Object Type	Details
mediaSmartLocTable	SYNTAX SEQUENCE OF MediaSmartLocEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION mediaSmartLoc" ::= { media 15 }

(/media/smart/location/*/attr)	
Object Type	Details
mediaSmartLocEntry	SYNTAX MediaSmartLocEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One mediaSmartLoc" INDEX { mediaSmartLocIdx1, mediaSmartLocIdx2 } ::= { mediaSmartLocTable 1 }

MediaSmartLocEntry ::=

```
SEQUENCE {
  mediaSmartLocIdx1
    DisplayString,
  mediaSmartLocIdx2
    DisplayString,
  stateHidden
    TruthValue,
  stateMaxNorm
    Unsigned32,
  stateName
    DisplayString,
  stateThreshold
    Unsigned32,
  stateType
    DisplayString,
  stateUpdated
    DisplayString,
  stateWhenFailed
    DisplayString,
  stateStatus
    DisplayString,
  statsNormValue
    Unsigned32,
  statsWorstValue
    Unsigned32,
  statsRawValue
    Unsigned32
}
```

from /media/smart/location/*/attr*/media_smart_loc_idx1

mediaSmartLocIdx1 OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Location"

::= { mediaSmartLocEntry 1 }

from /media/smart/location/*/attr*/media_smart_loc_idx2
mediaSmartLocIdx2 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Attr Id"
::= { mediaSmartLocEntry 2 }

from /media/smart/location/*/attr*/state/hidden
stateHidden OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION Hidden"
::= { mediaSmartLocEntry 3 }

from /media/smart/location/*/attr*/state/max_norm
stateMaxNorm OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Max norm"
::= { mediaSmartLocEntry 4 }

from /media/smart/location/*/attr*/state/name
stateName OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Name"
::= { mediaSmartLocEntry 5 }

from /media/smart/location/*/attr*/state/threshold
stateThreshold OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Threshold"
::= { mediaSmartLocEntry 6 }

from /media/smart/location/*/attr*/state/type
stateType OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Type"
::= { mediaSmartLocEntry 7 }

from /media/smart/location/*/attr*/state/updated
stateUpdated OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Updated"
 ::= { mediaSmartLocEntry 8 }

from /media/smart/location/*/attr*/state/when_failed
stateWhenFailed OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION When failed"
 ::= { mediaSmartLocEntry 9 }

from /media/smart/location/*/attr*/state/status
stateStatus OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Status"
 ::= { mediaSmartLocEntry 10 }

from /media/smart/location/*/attr*/stats/norm_value
statsNormValue OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Norm value"
 ::= { mediaSmartLocEntry 11 }

from /media/smart/location/*/attr*/stats/worst_value
statsWorstValue OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Worst value"
 ::= { mediaSmartLocEntry 12 }

from /media/smart/location/*/attr*/stats/raw_value
statsRawValue OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Raw value"
 ::= { mediaSmartLocEntry 13 }

1.7.1.7 (/media/state/array)

(/media/state/array)		
Object Type	Details	
chassisSystemArrayTable	SYNTAX	SEQUENCE OF ChassisSystemArrayEntry
	MAX-ACCESS	not-accessible
	STATUS	current
	DESCRIPTION	chassisSystemArray"
		::= { media 17 }
chassisSystemArrayEntry	SYNTAX	ChassisSystemArrayEntry
	MAX-ACCESS	not-accessible
	STATUS	current
	DESCRIPTION	One chassisSystemArray"
	INDEX	{ chassisSystemArrayIdx }
		::= { chassisSystemArrayTable 1 }

ChassisSystemArrayEntry ::=

```
SEQUENCE {
    chassisSystemArrayIdx
        DisplayString,
    chassisSystemDmaActive
        Unsigned32,
    chassisSystemFormatting
        TruthValue,
    chassisSystemFormatDone
        INTEGER,
    chassisSystemIOPend
        Unsigned32,
    chassisSystemIpAddr
        IpAddress,
    chassisSystemLedAlarm
        DisplayString,
    chassisSystemLedPowerA
        DisplayString,
    chassisSystemLedPowerB
        DisplayString,
    chassisSystemLedStatus
        DisplayString,
    chassisSystemLidAjarTime
        DisplayString,
    chassisSystemLink
        TruthValue,
    chassisSystemLinkwidth
        Unsigned32,
    chassisSystemMaxlinkwidth
        Unsigned32,
    chassisSystemNumVimms
        INTEGER,
```

```
chassisSystemPort
    Unsigned32,
chassisSystemPowerPSUA
    DisplayString,
chassisSystemPowerPSUB
    DisplayString,
chassisSystemRaidRebuild
    TruthValue,
chassisSystemReady
    TruthValue,
chassisSystemTempAmbient
    INTEGER,
chassisSystemTempController
    INTEGER,
chassisSystemType
    DisplayString
}
```

```
from /media/state/array/*/chassis/system/array_idx
chassisSystemArrayIdx OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Table Index"
::= { chassisSystemArrayEntry 1 }
```

```
from /media/state/array/*/chassis/system/dma_active
chassisSystemDmaActive OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "DMA active"
::= { chassisSystemArrayEntry 2 }
```

```
from /media/state/array/*/chassis/system/formatting
chassisSystemFormatting OBJECT-TYPE
SYNTAX          TruthValue
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "System formatting"
::= { chassisSystemArrayEntry 3 }
```

```
from /media/state/array/*/chassis/system/format_done
chassisSystemFormatDone OBJECT-TYPE
SYNTAX          INTEGER
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Format done"
```

::= { chassisSystemArrayEntry 4 }

from /media/state/array/*/chassis/system/io_pend

chassisSystemIoPend OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION IO pend"

::= { chassisSystemArrayEntry 5 }

from /media/state/array/*/chassis/system/ip_addr

chassisSystemIpAddr OBJECT-TYPE

SYNTAX IpAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION System ip addr"

::= { chassisSystemArrayEntry 6 }

from /media/state/array/*/chassis/system/led/alarm

chassisSystemLedAlarm OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION LED power alarm"

::= { chassisSystemArrayEntry 7 }

from /media/state/array/*/chassis/system/led/powerA

chassisSystemLedPowerA OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION LED power A"

::= { chassisSystemArrayEntry 8 }

from /media/state/array/*/chassis/system/led/powerB

chassisSystemLedPowerB OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION LED power B"

::= { chassisSystemArrayEntry 9 }

from /media/state/array/*/chassis/system/led/status

chassisSystemLedStatus OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION LED power status"

::= { chassisSystemArrayEntry 10 }

from /media/state/array/*/chassis/system/lid_ajar_time

chassisSystemLidAjarTime OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION System lid ajar time"

::= { chassisSystemArrayEntry 11 }

from /media/state/array/*/chassis/system/link

chassisSystemLink OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-only

STATUS current

DESCRIPTION System link"

::= { chassisSystemArrayEntry 12 }

from /media/state/array/*/chassis/system/linkwidth

chassisSystemLinkwidth OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION Linkwidth"

::= { chassisSystemArrayEntry 13 }

from /media/state/array/*/chassis/system/maxlinkwidth

chassisSystemMaxlinkwidth OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION Maxlinkwidth"

::= { chassisSystemArrayEntry 14 }

from /media/state/array/*/chassis/system/num_vimms

chassisSystemNumVimms OBJECT-TYPE

SYNTAX INTEGER

MAX-ACCESS read-only

STATUS current

DESCRIPTION Number vimms"

::= { chassisSystemArrayEntry 15 }

from /media/state/array/*/chassis/system/port

chassisSystemPort OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION Port"

::= { chassisSystemArrayEntry 16 }

from /media/state/array/*/chassis/system/power/PSU_A

chassisSystemPowerPSUA OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION PSU A"

::= { chassisSystemArrayEntry 17 }

from /media/state/array/*/chassis/system/power/PSU_B

chassisSystemPowerPSUB OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION PSU B"

::= { chassisSystemArrayEntry 18 }

from /media/state/array/*/chassis/system/raid_rebuild

chassisSystemRaidRebuild OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-only

STATUS current

DESCRIPTION Raid rebuild"

::= { chassisSystemArrayEntry 19 }

from /media/state/array/*/chassis/system/ready

chassisSystemReady OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-only

STATUS current

DESCRIPTION System ready"

::= { chassisSystemArrayEntry 20 }

from /media/state/array/*/chassis/system/temp_ambient

chassisSystemTempAmbient OBJECT-TYPE

SYNTAX INTEGER

MAX-ACCESS read-only

STATUS current

DESCRIPTION Temp ambient"

::= { chassisSystemArrayEntry 21 }

from /media/state/array/*/chassis/system/temp_controller

chassisSystemTempController OBJECT-TYPE

SYNTAX INTEGER

MAX-ACCESS read-only

STATUS current

DESCRIPTION Temp controller"

::= { chassisSystemArrayEntry 22 }

from /media/state/array/*/chassis/system/type

chassisSystemType OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION type"

::= { chassisSystemArrayEntry 23 }

1.7.1.8 (/media/state/array/*/chassis/system/fan)

(/media/state/array/*/chassis/system/fan)	
Object Type	Details
arrayFanTable	SYNTAX SEQUENCE OF ArrayFanEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION arrayFan" ::= { media 18 }
arrayFanEntry	SYNTAX ArrayFanEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One arrayFan" INDEX { arrayFanIdx1, arrayFanIdx2 } ::= { arrayFanTable 1 }

ArrayFanEntry ::=

```
SEQUENCE {  
    arrayFanIdx1  
        DisplayString,  
    arrayFanIdx2  
        DisplayString,  
    speed  
        DisplayString  
}
```

from /media/state/array/*/chassis/system/fan/*/array_fan_idx1

arrayFanIdx1 OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Array name"

::= { arrayFanEntry 1 }

from /media/state/array/*/chassis/system/fan/*/array_fan_idx2

arrayFanIdx2 OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Fan name"
 ::= { arrayFanEntry 2 }

from /media/state/array/*/chassis/system/fan/*/speed
 speed OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Speed"
 ::= { arrayFanEntry 3 }

1.7.1.9 (/media/state/block)

(/media/state/block)	
Object Type	Details
mediaBlockTable	SYNTAX SEQUENCE OF MediaBlockEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION mediaBlock" ::= { media 19 }
mediaBlockEntry	SYNTAX MediaBlockEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One mediaBlock" INDEX { mediaBlockIdx } ::= { mediaBlockTable 1 }

MediaBlockEntry ::=

SEQUENCE {

 mediaBlockIdx

 DisplayString,

 blockSz

 DisplayString,

 devId

 DisplayString,

 devPath

 DisplayString,

 fmtVers

 Unsigned32,

 location

 DisplayString,

 numBlocks

 DisplayString,

 offset

 DisplayString,

```
    status
      DisplayString,
    type
      DisplayString
  }
```

```
from /media/state/block/*/media_block_idx
mediaBlockIdx OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Table index"
::= { mediaBlockEntry 1 }
```

```
from /media/state/block/*/block_sz
blockSz OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Block size"
::= { mediaBlockEntry 2 }
```

```
from /media/state/block/*/dev_id
devId OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Device ID"
::= { mediaBlockEntry 3 }
```

```
from /media/state/block/*/dev_path
devPath OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Device path"
::= { mediaBlockEntry 4 }
```

```
from /media/state/block/*/fmt_vers
fmtVers OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Format version"
::= { mediaBlockEntry 5 }
```

```
from /media/state/block/*/location
location OBJECT-TYPE
```

SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Location"
 ::= { mediaBlockEntry 6 }

from /media/state/block/*/num_blocks
 numBlocks OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Number of blocks"
 ::= { mediaBlockEntry 7 }

from /media/state/block/*/offset
 offset OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Offset"
 ::= { mediaBlockEntry 8 }

from /media/state/block/*/status
 status OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Status"
 ::= { mediaBlockEntry 9 }

from /media/state/block/*/type
 type OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Type"
 ::= { mediaBlockEntry 10 }

1.7.1.10 (/media/stats/location)

(/media/stats/location)	
Object Type	Details
mediaStatsLocTable	SYNTAX SEQUENCE OF MediaStatsLocEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION mediaStatsLoc" ::= { media 21 }

(/media/stats/location)	
Object Type	Details
mediaStatsLocEntry	SYNTAX MediaStatsLocEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One mediaStatsLoc" INDEX { mediaStatsLocIdx } ::= { mediaStatsLocTable 1 }

MediaStatsLocEntry ::=

```
SEQUENCE {
  mediaStatsLocIdx
    DisplayString,
  kernelOpsInProgress
    DisplayString,
  kernelOpsTime
    DisplayString,
  kernelOpsTimeWeighted
    DisplayString,
  kernelReadCompleted
    DisplayString,
  kernelReadKbytes
    DisplayString,
  kernelReadTime
    DisplayString,
  kernelWriteCompleted
    DisplayString,
  kernelWriteKbytes
    DisplayString,
  kernelWriteTime
    DisplayString
}
```

from /media/stats/location/*/media_stats_loc_idx

```
mediaStatsLocIdx OBJECT-TYPE
SYNTAX           DisplayString
MAX-ACCESS       read-only
STATUS            current
DESCRIPTION       Table index"
::= { mediaStatsLocEntry 1 }
```

from /media/stats/location/*/kernel/ops_in_progress

```
kernelOpsInProgress OBJECT-TYPE
SYNTAX           DisplayString
MAX-ACCESS       read-only
STATUS            current
DESCRIPTION       Number of operations currently in progress"
```

::= { mediaStatsLocEntry 2 }

from /media/stats/location/*/kernel/ops_time

kernelOpsTime OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Total time (ms) spent performing I/O"

::= { mediaStatsLocEntry 3 }

from /media/stats/location/*/kernel/ops_time_weighted

kernelOpsTimeWeighted OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Weighted total time (ms) spent performing I/O"

::= { mediaStatsLocEntry 4 }

from /media/stats/location/*/kernel/read_completed

kernelReadCompleted OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Number of completed read operations"

::= { mediaStatsLocEntry 5 }

from /media/stats/location/*/kernel/read_kbytes

kernelReadKbytes OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Number of KB read"

::= { mediaStatsLocEntry 6 }

from /media/stats/location/*/kernel/read_time

kernelReadTime OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Time (ms) spent reading from device"

::= { mediaStatsLocEntry 7 }

from /media/stats/location/*/kernel/write_completed

kernelWriteCompleted OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Number of completed write operations"

::= { mediaStatsLocEntry 8 }

from /media/stats/location/*/kernel/write_kbytes

kernelWriteKbytes OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION "Number of KB written"

::= { mediaStatsLocEntry 9 }

from /media/stats/location/*/kernel/write_time

kernelWriteTime OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION "kernelWriteTime"

::= { mediaStatsLocEntry 10 }

1.7.1.11 (/media/stats/device)

Object Type	Details
mediaStatsDevTable	SYNTAX SEQUENCE OF MediaStatsDevEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "mediaStatsDev" ::= { media 22 }
mediaStatsDevEntry	SYNTAX MediaStatsDevEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "One mediaStatsDev" INDEX { mediaStatsDevIdx } ::= { mediaStatsDevTable 1 }

MediaStatsDevEntry ::=

SEQUENCE {

mediaStatsDevIdx

DisplayString,

kernelOpsInProgress

DisplayString,

kernelOpsTime

DisplayString,

kernelOpsTimeWeighted

DisplayString,

kernelReadCompleted

DisplayString,

kernelReadKbytes


```
        DisplayString,  
kernelReadTime  
        DisplayString,  
kernelWriteCompleted  
        DisplayString,  
kernelWriteKbytes  
        DisplayString,  
kernelWriteTime  
        DisplayString  
}
```

```
from /media/stats/device/*/media_stats_dev_idx  
mediaStatsDevIdx OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "Table index"  
::= { mediaStatsDevEntry 1 }
```

```
from /media/stats/device/*/kernel/ops_in_progress  
kernelOpsInProgress OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "Number of operations currently in progress"  
::= { mediaStatsDevEntry 2 }
```

```
from /media/stats/device/*/kernel/ops_time  
kernelOpsTime OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "Total time (ms) spent performing I/O"  
::= { mediaStatsDevEntry 3 }
```

```
from /media/stats/device/*/kernel/ops_time_weighted  
kernelOpsTimeWeighted OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "Weighted total time (ms) spent performing I/O"  
::= { mediaStatsDevEntry 4 }
```

```
from /media/stats/device/*/kernel/read_completed  
kernelReadCompleted OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current
```

DESCRIPTION Number of completed read operations"
::= { mediaStatsDevEntry 5 }

from /media/stats/device/*/kernel/read_kbytes

kernelReadKbytes OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Number of KB read"

::= { mediaStatsDevEntry 6 }

from /media/stats/device/*/kernel/read_time

kernelReadTime OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Time (ms) spent reading from device"

::= { mediaStatsDevEntry 7 }

from /media/stats/device/*/kernel/write_completed

kernelWriteCompleted OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Number of completed write operations"

::= { mediaStatsDevEntry 8 }

from /media/stats/device/*/kernel/write_kbytes

kernelWriteKbytes OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Number of KB written"

::= { mediaStatsDevEntry 9 }

from /media/stats/device/*/kernel/write_time

kernelWriteTime OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION kernelWriteTime"

::= { mediaStatsDevEntry 10 }

1.7.1.12 (/vshare/state/local/container)

(/vshare/state/local/container)		
Object Type	Details	
localContainerTable	SYNTAX	SEQUENCE OF LocalContainerEntry
	MAX-ACCESS	not-accessible
	STATUS	current
	DESCRIPTION	localContainer"
		::= { vShare 2 }
localContainerEntry	SYNTAX	LocalContainerEntry
	MAX-ACCESS	not-accessible
	STATUS	current
	DESCRIPTION	One localContainer"
	INDEX	{ localContainerIdx }
		::= { localContainerTable 1 }

LocalContainerEntry ::=

```
SEQUENCE {
    localContainerIdx
        DisplayString,
    totalBytes
        DisplayString,
    allocBytes
        DisplayString,
    numLuns
        Unsigned32,
    portA
        TruthValue,
    portB
        TruthValue
}
```

from /vshare/state/local/container/*/localContainerIdx

```
localContainerIdx OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION  Table index"
::= { localContainerEntry 1 }
```

from /vshare/state/local/container/*/total_bytes

```
totalBytes OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION  Total bytes"
::= { localContainerEntry 2 }
```

from /vshare/state/local/container/*/alloc_bytes

allocBytes OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Alloc bytes"
 ::= { localContainerEntry 3 }

from /vshare/state/local/container/*/num_luns
 numLuns OBJECT-TYPE
 SYNTAX Unsigned32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Num luns"
 ::= { localContainerEntry 4 }

from /vshare/state/local/container*/port_A
 portA OBJECT-TYPE
 SYNTAX TruthValue
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Port A"
 ::= { localContainerEntry 5 }

from /vshare/state/local/container*/port_B
 portB OBJECT-TYPE
 SYNTAX TruthValue
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Port B"
 ::= { localContainerEntry 6 }

1.7.1.13 (/vshare/state/local/container*/lun)

(/vshare/state/local/container*/lun)	
Object Type	Details
localLunTable	SYNTAX SEQUENCE OF LocalLunEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION localLun" ::= { vShare 3 }
localLunEntry	SYNTAX LocalLunEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One localLun" INDEX { localLunIdx1, localLunIdx2 } ::= { localLunTable 1 }

```

LocalLunEntry ::=
SEQUENCE {
    localLunIdx1
        DisplayString,
    localLunIdx2
        DisplayString,
    size
        DisplayString,
    readOnly
        TruthValue,
    status
        DisplayString,
    blksize
        Unsigned32,
    portA
        TruthValue,
    portB
        TruthValue,
    alua
        TruthValue,
    devid
        DisplayString,
    devpath
        DisplayString,
    iotype
        DisplayString,
    naald
        DisplayString,
    naca
        TruthValue,
    t10Id
        DisplayString,
    thin
        TruthValue,
    usnId
        DisplayString
}

```

```

from /vshare/state/local/container/*/lun*/localLunIdx1
localLunIdx1 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Table index1"
::= { localLunEntry 1 }

```

```

from /vshare/state/local/container/*/lun*/localLunIdx2
localLunIdx2 OBJECT-TYPE

```

SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index2"
::= { localLunEntry 2 }

from /vshare/state/local/container/*/lun*/size
size OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Size"
::= { localLunEntry 3 }

from /vshare/state/local/container/*/lun*/read_only
readOnly OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION Read only"
::= { localLunEntry 4 }

from /vshare/state/local/container/*/lun*/status
status OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Status"
::= { localLunEntry 5 }

from /vshare/state/local/container/*/lun*/blksize
blksize OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Block size"
::= { localLunEntry 6 }

from /vshare/state/local/container/*/lun*/port_A
portA OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION Port A"
::= { localLunEntry 7 }

from /vshare/state/local/container/*/lun*/port_B
portB OBJECT-TYPE

SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION Port B"
::= { localLunEntry 8 }

from /vshare/state/local/container/*/lun*/alua
alua OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION ALUA"
::= { localLunEntry 9 }

from /vshare/state/local/container/*/lun*/devid
devid OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Device ID"
::= { localLunEntry 10 }

from /vshare/state/local/container/*/lun*/devpath
devpath OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Device Path"
::= { localLunEntry 11 }

from /vshare/state/local/container/*/lun*/iotype
iotype OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Io Type"
::= { localLunEntry 12 }

from /vshare/state/local/container/*/lun*/naa_id
naaid OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION NAA ID"
::= { localLunEntry 13 }

from /vshare/state/local/container/*/lun*/naca
naca OBJECT-TYPE

SYNTAX TruthValue
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION naca"
 ::= { localLunEntry 14 }

from /vshare/state/local/container/*/lun*/t10_id
 t10Id OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION t10_id"
 ::= { localLunEntry 15 }

from /vshare/state/local/container/*/lun*/thin
 thin OBJECT-TYPE
 SYNTAX TruthValue
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Thin Provisioning"
 ::= { localLunEntry 16 }

from /vshare/state/local/container/*/lun*/usn_id
 usnId OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION usn_id"
 ::= { localLunEntry 17 }

1.7.1.14 (/vshare/state/global/*/container)

(/vshare/state/global/*/container)		
Object Type	Details	
globalContainerTable	SYNTAX	SEQUENCE OF GlobalContainerEntry
	MAX-ACCESS	not-accessible
	STATUS	current
	DESCRIPTION	globalContainer"
		::= { vShare 4 }
globalContainerEntry	SYNTAX	GlobalContainerEntry
	MAX-ACCESS	not-accessible
	STATUS	current
	DESCRIPTION	One globalContainer"
	INDEX	{ globalContainerIdx1, globalContainerIdx2 }
		::= { globalContainerTable 1 }

GlobalContainerEntry ::=


```
SEQUENCE {
    globalContainerIdx1
        INTEGER,
    globalContainerIdx2
        DisplayString,
    totalBytes
        DisplayString,
    allocBytes
        DisplayString,
    numLuns
        Unsigned32
}
```

```
from /vshare/state/global/*/container/*/globalContainerIdx1
globalContainerIdx1 OBJECT-TYPE
SYNTAX          INTEGER
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Table index1"
::= { globalContainerEntry 1 }
```

```
from /vshare/state/global/*/container/*/globalContainerIdx2
globalContainerIdx2 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Table index2"
::= { globalContainerEntry 2 }
```

```
from /vshare/state/global/*/container/*/total_bytes
totalBytes OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Total bytes"
::= { globalContainerEntry 3 }
```

```
from /vshare/state/global/*/container/*/alloc_bytes
allocBytes OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Alloc bytes"
::= { globalContainerEntry 4 }
```

```
from /vshare/state/global/*/container/*/num_luns
numLuns OBJECT-TYPE
SYNTAX          Unsigned32
```

MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Num luns"
 ::= { globalContainerEntry 5 }

1.7.1.15 (/vshare/state/global/*/container/*/lun)

(/vshare/state/global/*/container/*/lun)	
Object Type	Details
globalLunTable	SYNTAX SEQUENCE OF GlobalLunEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION globalLun" ::= { vShare 5 }
globalLunEntry	SYNTAX GlobalLunEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One globalLun" INDEX { globalLunIdx1, globalLunIdx2, globalLunIdx3 } ::= { globalLunTable 1 }

```

GlobalLunEntry ::=
SEQUENCE {
  globalLunIdx1
    INTEGER,
  globalLunIdx2
    DisplayString,
  globalLunIdx3
    DisplayString,
  size
    DisplayString,
  readOnly
    TruthValue,
  status
    DisplayString
}
  
```

```

from /vshare/state/global/*/container/*/lun/*/globalLunIdx1
globalLunIdx1 OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index1"
::= { globalLunEntry 1 }
  
```

```

from /vshare/state/global/*/container/*/lun/*/globalLunIdx2
globalLunIdx2 OBJECT-TYPE
  
```

SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Table index2"
 ::= { globalLunEntry 2 }

from /vshare/state/global/*/container*/lun*/globalLunIdx3
 globalLunIdx3 OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Table index3"
 ::= { globalLunEntry 3 }

from /vshare/state/global/*/container*/lun*/size
 size OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Size"
 ::= { globalLunEntry 4 }

from /vshare/state/global/*/container*/lun*/read_only
 readOnly OBJECT-TYPE
 SYNTAX TruthValue
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Read only"
 ::= { globalLunEntry 5 }

from /vshare/state/global/*/container*/lun*/status
 status OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Status"
 ::= { globalLunEntry 6 }

1.7.1.16 (/vshare/state/local/target/fc)

(/vshare/state/local/target/fc)	
Object Type	Details
localTargetFcTable	SYNTAX SEQUENCE OF LocalTargetFcEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION localTargetFc" ::= { vShare 6 }

(/vshare/state/local/target/fc)

Object Type	Details
ocalTargetFcEntry	SYNTAX LocalTargetFcEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One localTargetFc" INDEX { localTargetFcIdx } ::= { localTargetFcTable 1 }

LocalTargetFcEntry ::=

```
SEQUENCE {  
    localTargetFcIdx  
        DisplayString,  
    wwn  
        DisplayString,  
    enable  
        TruthValue,  
    speed  
        DisplayString,  
    supportedSpeeds  
        DisplayString,  
    portType  
        DisplayString,  
    portState  
        DisplayString  
}
```

from /vshare/state/local/target/fc/*/localTargetFcIdx

```
localTargetFcIdx OBJECT-TYPE  
SYNTAX DisplayString  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION Table index"  
::= { localTargetFcEntry 1 }
```

from /vshare/state/local/target/fc/*/wwn

```
wwn OBJECT-TYPE  
SYNTAX DisplayString  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION wwn"  
::= { localTargetFcEntry 2 }
```

from /vshare/state/local/target/fc/*/enable

```
enable OBJECT-TYPE  
SYNTAX TruthValue  
MAX-ACCESS read-only
```

STATUS current
 DESCRIPTION enable"
 ::= { localTargetFcEntry 3 }

from /vshare/state/local/target/fc/*/speed
 speed OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION speed"
 ::= { localTargetFcEntry 4 }

from /vshare/state/local/target/fc/*/supported_speeds
 supportedSpeeds OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION supported speeds"
 ::= { localTargetFcEntry 5 }

from /vshare/state/local/target/fc/*/port_type
 portType OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION port type"
 ::= { localTargetFcEntry 6 }

from /vshare/state/local/target/fc/*/port_state
 portState OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION port state"
 ::= { localTargetFcEntry 7 }

1.7.1.17 (/vshare/state/local/target/fc/*/session)

(/vshare/state/local/target/fc/*/session)		
Object Type	Details	
localTargetFcSessionTable	SYNTAX	SEQUENCE OF LocalTargetFcSessionEntry
	MAX-ACCESS	not-accessible
	STATUS	current
	DESCRIPTION	localTargetFcSession"
		::= { vShare 7 }
localTargetFcSessionEntry	SYNTAX	LocalTargetFcSessionEntry
	MAX-ACCESS	not-accessible

(/vshare/state/local/target/fc/*/session)

Object Type	Details
	STATUS current DESCRIPTION One localTargetFcSession" INDEX { localTargetFcSessionIdx1, localTargetFcSessionIdx2 } ::= { localTargetFcSessionTable 1 }

```
LocalTargetFcSessionEntry ::=
SEQUENCE {
    localTargetFcSessionIdx1
    DisplayString,
    localTargetFcSessionIdx2
    DisplayString
}
```

```
from /vshare/state/local/target/fc/*/session/*/localTargetFcSessionIdx1
localTargetFcSessionIdx1 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index1"
::= { localTargetFcSessionEntry 1 }
```

```
from /vshare/state/local/target/fc/*/session/*/localTargetFcSessionIdx2
localTargetFcSessionIdx2 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index2"
::= { localTargetFcSessionEntry 2 }
```

1.7.1.18 (/vshare/state/local/target/iscsi)

(/vshare/state/local/target/iscsi)

Object Type	Details
localTargetIscsiTable	SYNTAX SEQUENCE OF LocalTargetIscsiEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION localTargetIscsi" ::= { vShare 8 }
localTargetIscsiEntry	SYNTAX LocalTargetIscsiEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One localTargetIscsi" INDEX { localTargetIscsidx }

(/vshare/state/local/target/iscsi)	
Object Type	Details
	::= { localTargetIscsiTable 1 }

LocalTargetIscsiEntry ::=

```
SEQUENCE {
    localTargetIscsiIdx
        DisplayString,
    iqn
        DisplayString,
    enable
        TruthValue
}
```

from /vshare/state/local/target/iscsi/*/localTargetIscsiIdx

```
localTargetIscsiIdx OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS           current
DESCRIPTION     "Table index"
::= { localTargetIscsiEntry 1 }
```

from /vshare/state/local/target/iscsi/*/iqn

```
iqn OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS           current
DESCRIPTION     "iqn"
::= { localTargetIscsiEntry 2 }
```

from /vshare/state/local/target/iscsi/*/enable

```
enable OBJECT-TYPE
SYNTAX          TruthValue
MAX-ACCESS      read-only
STATUS           current
DESCRIPTION     "enable"
::= { localTargetIscsiEntry 3 }
```

1.7.1.19 (/vshare/state/local/target/iscsi/*/session)

(/vshare/state/local/target/iscsi/*/session)	
Object Type	Details
localTargetIscsiSessionTable	<pre>SYNTAX SEQUENCE OF LocalTargetIscsiSessionEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "localTargetIscsiSession" ::= { vShare 9 }</pre>

(/vshare/state/local/target/iscsi/*/session)

Object Type	Details
localTargetIscsiSessionEntry	SYNTAX LocalTargetIscsiSessionEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One localTargetIscsiSession" INDEX { localTargetIscsiSessionIdx1, localTargetIscsiSessionIdx2 } ::= { localTargetIscsiSessionTable 1 }

```
LocalTargetIscsiSessionEntry ::=
SEQUENCE {
    LocalTargetIscsiSessionIdx1
        DisplayString,
    localTargetIscsiSessionIdx2
        DisplayString
}
```

```
from /vshare/state/local/target/iscsi/*/session/*/localTargetIscsiSessionIdx1
localTargetIscsiSessionIdx1 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index1"
::= { localTargetIscsiSessionEntry 1 }
```

```
from /vshare/state/local/target/iscsi/*/session/*/localTargetIscsiSessionIdx2
localTargetIscsiSessionIdx2 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index2"
::= { localTargetIscsiSessionEntry 2 }
```

1.7.1.20 (/vshare/state/global/*/target/fc)

(/vshare/state/global/*/target/fc)

Object Type	Details
globalTargetFcTable	SYNTAX SEQUENCE OF GlobalTargetFcEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION globalTargetFc" ::= { vShare 10 }
globalTargetFcEntry	SYNTAX GlobalTargetFcEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One globalTargetFc"

(/vshare/state/global/*/target/fc)

Object Type	Details
	INDEX { globalTargetFcIdx1, globalTargetFcIdx2 } ::= { globalTargetFcTable 1 }

GlobalTargetFcEntry ::=

```
SEQUENCE {
    globalTargetFcIdx1
        INTEGER,
    globalTargetFcIdx2
        DisplayString,
    wwn
        DisplayString,
    enable
        TruthValue,
    speed
        DisplayString,
    supportedSpeeds
        DisplayString,
    portType
        DisplayString,
    portState
        DisplayString
}
```

from /vshare/state/global/*/target/fc/*/globalTargetFcIdx1

```
globalTargetFcIdx1 OBJECT-TYPE
SYNTAX      INTEGER
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION "Table index1"
::= { globalTargetFcEntry 1 }
```

from /vshare/state/global/*/target/fc/*/globalTargetFcIdx2

```
globalTargetFcIdx2 OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION "Table index2"
::= { globalTargetFcEntry 2 }
```

from /vshare/state/global/*/target/fc/*/wwn

```
wwn OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION "wwn"
::= { globalTargetFcEntry 3 }
```

```

from /vshare/state/global/*/target/fc*/enable
enable OBJECT-TYPE
SYNTAX          TruthValue
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     enable"
 ::= { globalTargetFcEntry 4 }

```

```

from /vshare/state/global/*/target/fc*/speed
speed OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     speed"
 ::= { globalTargetFcEntry 5 }

```

```

from /vshare/state/global/*/target/fc*/supported_speeds
supportedSpeeds OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     supported speeds"
 ::= { globalTargetFcEntry 6 }

```

```

from /vshare/state/global/*/target/fc*/port_type
portType OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     port type"
 ::= { globalTargetFcEntry 7 }

```

```

from /vshare/state/global/*/target/fc*/port_state
portState OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     port state"
 ::= { globalTargetFcEntry 8 }

```

1.7.1.21 (/vshare/state/global/*/target/fc*/session)

(/vshare/state/global/*/target/fc*/session)	
Object Type	Details
globalTargetFcSessionTable	globalTargetFcSessionTable OBJECT-TYPE SYNTAX SEQUENCE OF GlobalTargetFcSessionEntry

(/vshare/state/global/*/target/fc/*/session)	
Object Type	Details
	MAX-ACCESS not-accessible STATUS current DESCRIPTION globalTargetFcSession" ::= { vShare 11 }
globalTargetFcSessionEntry	globalTargetFcSessionEntry OBJECT-TYPE SYNTAX GlobalTargetFcSessionEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One globalTargetFcSession" INDEX { globalTargetFcSessionIdx1, globalTargetFcSessionIdx2, globalTargetFcSessionIdx3 } ::= { globalTargetFcSessionTable 1 }

```
GlobalTargetFcSessionEntry ::=
SEQUENCE {
    globalTargetFcSessionIdx1
        INTEGER,
    globalTargetFcSessionIdx2
        DisplayString,
    globalTargetFcSessionIdx3
        DisplayString
}
```

```
from /vshare/state/global/*/target/fc/*/session/*/globalTargetFcSessionIdx1
globalTargetFcSessionIdx1 OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index1"
::= { globalTargetFcSessionEntry 1 }
```

```
from /vshare/state/global/*/target/fc/*/session/*/globalTargetFcSessionIdx2
globalTargetFcSessionIdx2 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index2"
::= { globalTargetFcSessionEntry 2 }
```

```
from /vshare/state/global/*/target/fc/*/session/*/globalTargetFcSessionIdx3
globalTargetFcSessionIdx3 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index3"
```

```
::= { globalTargetFcSessionEntry 3 }
```

1.7.1.22 (/vshare/state/global/*/target/iscsi)

(/vshare/state/global/*/target/iscsi)	
Object Type	Details
globalTargetIscsiTable	SYNTAX SEQUENCE OF GlobalTargetIscsiEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION globalTargetIscsi" ::= { vShare 12 }
globalTargetIscsiEntry	SYNTAX GlobalTargetIscsiEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One globalTargetIscsi" INDEX { globalTargetIscsiIdx1, globalTargetIscsiIdx2 } ::= { globalTargetIscsiTable 1 }

```
GlobalTargetIscsiEntry ::=
SEQUENCE {
    globalTargetIscsiIdx1
        INTEGER,
    globalTargetIscsiIdx2
        DisplayString,
    iqn
        DisplayString,
    enable
        TruthValue
}
```

```
from /vshare/state/global/*/target/iscsi/*/globalTargetIscsiIdx1
globalTargetIscsiIdx1 OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index1"
::= { globalTargetIscsiEntry 1 }
```

```
from /vshare/state/global/*/target/iscsi/*/globalTargetIscsiIdx2
globalTargetIscsiIdx2 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index2"
::= { globalTargetIscsiEntry 2 }
```

```
from /vshare/state/global/*/target/iscsi/*/iqn
```

```

iqn OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION "iqn"
 ::= { globalTargetIscsiEntry 3 }

```

```

from /vshare/state/global/*/target/iscsi*/enable
enable OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION "enable"
 ::= { globalTargetIscsiEntry 4 }

```

1.7.1.23 (/vshare/state/global/*/target/iscsi*/session)

(/vshare/state/global/*/target/iscsi*/session)	
Object Type	Details
globalTargetIscsiSessionTable	SYNTAX SEQUENCE OF GlobalTargetIscsiSessionEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "globalTargetIscsiSession" ::= { vShare 13 }
globalTargetIscsiSessionEntry	SYNTAX GlobalTargetIscsiSessionEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "One globalTargetIscsiSession" INDEX { globalTargetIscsiSessionIdx1, globalTargetIscsiSessionIdx2, globalTargetIscsiSessionIdx3 } ::= { globalTargetIscsiSessionTable 1 }

```

GlobalTargetIscsiSessionEntry ::=
SEQUENCE {
    globalTargetIscsiSessionIdx1
        INTEGER,
    globalTargetIscsiSessionIdx2
        DisplayString,
    globalTargetIscsiSessionIdx3
        DisplayString
}

```

```

from /vshare/state/global/*/target/iscsi*/session*/globalTargetIscsiSessionIdx1
globalTargetIscsiSessionIdx1 OBJECT-TYPE
SYNTAX      INTEGER
MAX-ACCESS  read-only
STATUS      current

```

DESCRIPTION Table index1"
 ::= { globalTargetIscsiSessionEntry 1 }

from /vshare/state/global/*/target/iscsi*/session*/globalTargetIscsiSessionIdx2
 globalTargetIscsiSessionIdx2 OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Table index2"
 ::= { globalTargetIscsiSessionEntry 2 }

from /vshare/state/global/*/target/iscsi*/session*/globalTargetIscsiSessionIdx3
 globalTargetIscsiSessionIdx3 OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Table index3"
 ::= { globalTargetIscsiSessionEntry 3 }

1.7.1.24 (/vshare/state/snapshot/container*/lun*/snap)

(/vshare/state/snapshot/container*/lun*/snap)	
Object Type	Details
snapshotTable	SYNTAX SEQUENCE OF SnapshotEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION snapshot" ::= { vShare 14 }
snapshotEntry	SYNTAX SnapshotEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One snapshot" INDEX { snapshotIdx1, snapshotIdx2, snapshotIdx3 } ::= { snapshotTable 1 }

SnapshotEntry ::=
 SEQUENCE {
 snapshotIdx1
 DisplayString,
 snapshotIdx2
 DisplayString,
 snapshotIdx3
 DisplayString,
 alua
 TruthValue,
 blksize
 Unsigned32,

```

ctime
    DisplayString,
description
    DisplayString,
devid
    DisplayString,
devpath
    DisplayString,
ioctype
    DisplayString,
naald
    DisplayString,
naca
    TruthValue,
portA
    TruthValue,
portB
    TruthValue,
readwrite
    TruthValue,
scheduleId
    Unsigned32,
size
    DisplayString,
snapProtect
    TruthValue,
status
    DisplayString,
t10Id
    DisplayString,
thin
    TruthValue,
usnId
    DisplayString
}

```

```

from /vshare/state/snapshot/container/*/lun*/snap*/snapshotIdx1
snapshotIdx1 OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION  "Table index1"
::= { snapshotEntry 1 }

```

```

from /vshare/state/snapshot/container/*/lun*/snap*/snapshotIdx2
snapshotIdx2 OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only

```

STATUS current
DESCRIPTION Table index2"
::= { snapshotEntry 2 }

from /vshare/state/snapshot/container/*/lun*/snap*/snapshotIdx3
snapshotIdx3 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Table index3"
::= { snapshotEntry 3 }

from /vshare/state/snapshot/container/*/lun*/snap*/alua
alua OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION ALUA"
::= { snapshotEntry 4 }

from /vshare/state/snapshot/container/*/lun*/snap*/blksize
blksize OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Block size"
::= { snapshotEntry 5 }

from /vshare/state/snapshot/container/*/lun*/snap*/ctime
ctime OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Creation time"
::= { snapshotEntry 6 }

from /vshare/state/snapshot/container/*/lun*/snap*/description
description OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Description"
::= { snapshotEntry 7 }

from /vshare/state/snapshot/container/*/lun*/snap*/devid
devid OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only

STATUS current
DESCRIPTION Device id"
::= { snapshotEntry 8 }

from /vshare/state/snapshot/container/*/lun*/snap*/devpath
devpath OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Device Path"
::= { snapshotEntry 9 }

from /vshare/state/snapshot/container/*/lun*/snap*/iotype
iotype OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION IO Type"
::= { snapshotEntry 10 }

from /vshare/state/snapshot/container/*/lun*/snap*/naa_id
naaid OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION NAA ID"
::= { snapshotEntry 11 }

from /vshare/state/snapshot/container/*/lun*/snap*/naca
naca OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION NACA"
::= { snapshotEntry 12 }

from /vshare/state/snapshot/container/*/lun*/snap*/port_A
portA OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION Port A"
::= { snapshotEntry 13 }

from /vshare/state/snapshot/container/*/lun*/snap*/port_B
portB OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only

STATUS current
DESCRIPTION Port B"
::= { snapshotEntry 14 }

from /vshare/state/snapshot/container/*/lun*/snap*/readwrite
readwrite OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION Read Write"
::= { snapshotEntry 15 }

from /vshare/state/snapshot/container/*/lun*/snap*/schedule_id
scheduleId OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION Schedule ID"
::= { snapshotEntry 16 }

from /vshare/state/snapshot/container/*/lun*/snap*/size
size OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Size"
::= { snapshotEntry 17 }

from /vshare/state/snapshot/container/*/lun*/snap*/snap_protect
snapProtect OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION Protected"
::= { snapshotEntry 18 }

from /vshare/state/snapshot/container/*/lun*/snap*/status
status OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Status"
::= { snapshotEntry 19 }

from /vshare/state/snapshot/container/*/lun*/snap*/t10_id
t10Id OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only

STATUS current
 DESCRIPTION T10 ID"
 ::= { snapshotEntry 20 }

from /vshare/state/snapshot/container/*/lun*/snap*/thin
 thin OBJECT-TYPE
 SYNTAX TruthValue
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION Thin Provisioning"
 ::= { snapshotEntry 21 }

from /vshare/state/snapshot/container/*/lun*/snap*/usn_id
 usnId OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION USN ID"
 ::= { snapshotEntry 22 }

1.7.1.25 (/vshare/state/lungroup/container/*/lungroup)

(/vshare/state/lungroup/container/*/lungroup)	
Object Type	Details
ungroupTable	SYNTAX SEQUENCE OF LungroupEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION lungroup" ::= { vShare 15 }
lungroupEntry	SYNTAX LungroupEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One lungroup" INDEX { lungroupIdx1, lungroupIdx2 } ::= { lungroupTable 1 }

```
LungroupEntry ::=
SEQUENCE {
    ungroupIdx1
        DisplayString,
    lungroupIdx2
        DisplayString,
    description
        DisplayString
}
```

from /vshare/state/lungroup/container/*/lungroup*/lungroupIdx1

```

lungroupIdx1 OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION  Table index1"
 ::= { lungroupEntry 1 }

```

```

from /vshare/state/lungroup/container/*/lungroup*/lungroupIdx2
lungroupIdx2 OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION  Table index2"
 ::= { lungroupEntry 2 }

```

```

from /vshare/state/lungroup/container/*/lungroup*/description
description OBJECT-TYPE
SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION  Description"
 ::= { lungroupEntry 3 }

```

1.7.1.26 (/vshare/state/lungroup/container/*/lungroup*/lungroup)

(/vshare/state/lungroup/container/*/lungroup*/lungroup)	
Object Type	Details
lungrouplunTable	SYNTAX SEQUENCE OF LungrouplunEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION lungrouplun" ::= { vShare 16 }
lungrouplunEntry	SYNTAX LungrouplunEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One lungrouplun" INDEX { lungrouplunIdx1, lungrouplunIdx2, lungrouplunIdx3 } ::= { lungrouplunTable 1 }

```

LungrouplunEntry ::=
SEQUENCE {
    lungrouplunIdx1
        DisplayString,
    lungrouplunIdx2
        DisplayString,
    lungrouplunIdx3

```

```

    DisplayString
}

```

```

from /vshare/state/lungroup/container/*/lungroup*/lun*/lungrouplunIdx1
lungrouplunIdx1 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     Table index1"
 ::= { lungrouplunEntry 1 }

```

```

from /vshare/state/lungroup/container/*/lungroup*/lun*/lungrouplunIdx2
lungrouplunIdx2 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     Table index2"
 ::= { lungrouplunEntry 2 }

```

```

from /vshare/state/lungroup/container/*/lungroup*/lun*/lungrouplunIdx3
lungrouplunIdx3 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     Table index3"
 ::= { lungrouplunEntry 3 }

```

1.7.1.27 (/vshare/state/snapgroup/container/*/lungroup*/snapgroup)

(/vshare/state/snapgroup/container/*/lungroup*/snapgroup)	
Object Type	Details
snapgroupTable	SYNTAX SEQUENCE OF SnapgroupEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION snapgroup" ::= { vShare 17 }
snapgroupEntry	snapgroupEntry OBJECT-TYPE SYNTAX SnapgroupEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One snapgroup" INDEX { snapgroupIdx1, snapgroupIdx2, snapgroupIdx3 } ::= { snapgroupTable 1 }

```

SnapgroupEntry ::=
SEQUENCE {
    snapgroupIdx1

```

```

    DisplayString,
    snapgroupIdx2
    DisplayString,
    snapgroupIdx3
    DisplayString,
    description
    DisplayString
}

```

```

from /vshare/state/snapgroup/container/*/lungroup*/snapgroup*/snapgroupIdx1
snapgroupIdx1 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Table index1"
::= { snapgroupEntry 1 }

```

```

from /vshare/state/snapgroup/container/*/lungroup*/snapgroup*/snapgroupIdx2
snapgroupIdx2 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Table index2"
::= { snapgroupEntry 2 }

```

```

from /vshare/state/snapgroup/container/*/lungroup*/snapgroup*/snapgroupIdx3
snapgroupIdx3 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Table index3"
::= { snapgroupEntry 3 }

```

```

from /vshare/state/snapgroup/container/*/lungroup*/snapgroup*/description
description OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "Description"
::= { snapgroupEntry 4 }

```

1.7.1.28 (/vshare/state/snapgroup/container/*/lungroup*/snapgroup*/snap)

(/vshare/state/snapgroup/container/*/lungroup*/snapgroup*/snap)		
Object Type	Details	
snapgroupsnapTable	SYNTAX	SEQUENCE OF SnapgroupsnapEntry
	MAX-ACCESS	not-accessible

(/vshare/state/snapgroup/container/*/lungroup/*/snapgroup/*/snap)	
Object Type	Details
	STATUS current DESCRIPTION snapgroupsnap" ::= { vShare 18 }
snapgroupsnapEntry	SYNTAX SnapgroupsnapEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One snapgroupsnap" INDEX { snapgroupsnapIdx1, snapgroupsnapIdx2, snapgroupsnapIdx3, snapgroupsnapIdx4 } ::= { snapgroupsnapTable 1 }

```

SnapgroupsnapEntry ::=
SEQUENCE {
    snapgroupsnapIdx1
        DisplayString,
    snapgroupsnapIdx2
        DisplayString,
    snapgroupsnapIdx3
        DisplayString,
    snapgroupsnapIdx4
        DisplayString
}

```

```

from /vshare/state/snapgroup/container/*/lungroup/*/snapgroup/*/snap/*/snapgroupsnapIdx1
snapgroupsnapIdx1 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     Table index1"
::= { snapgroupsnapEntry 1 }

```

```

from /vshare/state/snapgroup/container/*/lungroup/*/snapgroup/*/snap/*/snapgroupsnapIdx2
snapgroupsnapIdx2 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     Table index2"
::= { snapgroupsnapEntry 2 }

```

```

from /vshare/state/snapgroup/container/*/lungroup/*/snapgroup/*/snap/*/snapgroupsnapIdx3
snapgroupsnapIdx3 OBJECT-TYPE
SYNTAX          DisplayString
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     Table index3"

```

::= { snapgroupsnapEntry 3 }

from /vshare/state/snapgroup/container/*/lungroup*/snapgroup*/snap*/snapgroupsnapIdx4

snapgroupsnapIdx4 OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION Table index4"

::= { snapgroupsnapEntry 4 }

1.7.1.29 (/vshare/stats/target/fc)

(/vshare/stats/target/fc)	
Object Type	Details
statsTargetFcTable	SYNTAX SEQUENCE OF StatsTargetFcEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION statsTargetFc" ::= { vShare 51 }
statsTargetFcEntry	SYNTAX StatsTargetFcEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION One statsTargetFc" INDEX { statsTargetFcIdx } ::= { statsTargetFcTable 1 }

StatsTargetFcEntry ::=

SEQUENCE {

statsTargetFcIdx
DisplayString,

txFrames
DisplayString,

rxFrames
DisplayString,

dumpedFrames
DisplayString,

nosCount
DisplayString,

linkFailureCount
DisplayString,

lossOfSyncCount
DisplayString,

lossOfSignalCount
DisplayString,

invalidTxWordCount
DisplayString,

invalidCrcCount


```
    DisplayString,  
    primSeqProtocolErrCount  
    DisplayString  
}
```

```
from /vshare/stats/target/fc/*/statsTargetFcIdx  
statsTargetFcIdx OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     Table index"  
::= { statsTargetFcEntry 1 }
```

```
from /vshare/stats/target/fc/*/tx_frames  
txFrames OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     Tx Frames"  
::= { statsTargetFcEntry 2 }
```

```
from /vshare/stats/target/fc/*/rx_frames  
rxFrames OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     Rx Frames"  
::= { statsTargetFcEntry 3 }
```

```
from /vshare/stats/target/fc/*/dumped_frames  
dumpedFrames OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     Dumped Frames"  
::= { statsTargetFcEntry 4 }
```

```
from /vshare/stats/target/fc/*/nos_count  
nosCount OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     NOS Counts"  
::= { statsTargetFcEntry 5 }
```

```
from /vshare/stats/target/fc/*/link_failure_count  
linkFailureCount OBJECT-TYPE  
SYNTAX          DisplayString
```

MAX-ACCESS read-only
STATUS current
DESCRIPTION Link Failure Count"
::= { statsTargetFcEntry 6 }

from /vshare/stats/target/fc*/loss_of_sync_count
lossOfSyncCount OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Loss Of Sync Count"
::= { statsTargetFcEntry 7 }

from /vshare/stats/target/fc*/loss_of_signal_count
lossOfSignalCount OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Loss Of Signal Count"
::= { statsTargetFcEntry 8 }

from /vshare/stats/target/fc*/invalid_tx_word_count
invalidTxWordCount OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Invalid Tx Word Count"
::= { statsTargetFcEntry 9 }

from /vshare/stats/target/fc*/invalid_crc_count
invalidCrcCount OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Invalid CRC Count"
::= { statsTargetFcEntry 10 }

from /vshare/stats/target/fc*/prim_seq_protocol_err_count
primSeqProtocolErrCount OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION Seq Protocol Error Count"
::= { statsTargetFcEntry 11 }

2 TRAP-MIB DEFINITIONS ::= BEGIN

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The latest revision changes some vars that were 'counters' to be 'gauges', where it makes more sense, and adds gauge versions of some others, where it makes sense to have both views.

IMPORTS

```
OBJECT-TYPE, MODULE-IDENTITY, NOTIFICATION-TYPE, enterprises, Unsigned32, Counter64
    FROM SNMPv2-SMI
violin-memory
    FROM VIOLIN-MEMORY-MIB
TEXTUAL-CONVENTION, DisplayString, TruthValue
    FROM SNMPv2-TC;
```

violin-memory-trap MODULE-IDENTITY

```
LAST-UPDATED      "201403052332Z"
ORGANIZATION      "Violin-Memory Inc."
CONTACT-INFO      "Support support@vmem.com"
DESCRIPTION       "Violin Memory Product Traps MIB"
REVISION          "201403052332Z"
DESCRIPTION       "Automatic revision"
::= { violin-memory 5 }
start: autogenerated on 2014-03-05T23:32:45+00:00
```

NOTIFICATIONS

Object Name	Object Identifier
violin-memory-trap	::= { violin-memory 5 }
vmemNotifObjs	::= { violin-memory-trap 1 }
vmemNotifTraps	::= { violin-memory-trap 2 }
vmemNotifTrapsPrefix	::= { vmemNotifTraps 0 }

2.1 vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
id	SYNTAX DisplayString MAX-ACCES Saccessible-for-notify STATUS current DESCRIPTION "vmem notification device id" ::= { vmemNotif 1 }
location	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification device location"

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	::= { vmemNotif 2 }
type	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification device type" ::= { vmemNotif 3 }
vmemMode	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification device vmem_model" ::= { vmemNotif 4 }
vmemSerialNo	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification device vmem_serial_no" ::= { vmemNotif 5 }
vmemRevision	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification device vmem_revision_no" ::= { vmemNotif 6 }
output	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification device output" ::= { vmemNotif 7 }
lifeRemain	SYNTAX INTEGER MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification device output" ::= { vmemNotif 8 }
old	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification old state" ::= { vmemNotif 9 }
new	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	DESCRIPTION "vmem notification new state" ::= { vmemNotif 10 }
devPath	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification dev path" ::= { vmemNotif 11 }
blockSz	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification block size" ::= { vmemNotif 12 }
numBlocks	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification num block" ::= { vmemNotif 13 }
offset	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification offset" ::= { vmemNotif 14 }
devId	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification dev id" ::= { vmemNotif 15 }
expected	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification expected" ::= { vmemNotif 16 }
mfrModel	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification mfr_model" ::= { vmemNotif 17 }
mfrSerialNo	SYNTAX DisplayString MAX-ACCESS accessible-for-notify

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	STATUS current DESCRIPTION "vmem notification mfr_serial_no" ::= { vmemNotif 18 }
size	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification size" ::= { vmemNotif 19 }
active	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification active" ::= { vmemNotif 20 }
dataValue	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification stats monitored target reading" ::= { vmemNotif 21 }
nodeName	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification stats monitored target object" ::= { vmemNotif 22 }
description	SYNTAX INTEGER MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification description" ::= { vmemNotif 23 }
component	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification component" ::= { vmemNotif 24 }
container	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification container" ::= { vmemNotif 25 }
oldTypeUint8	SYNTAX Unsigned32

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification old value" ::= { vmemNotif 26 }
newTypeUint8	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification new value" ::= { vmemNotif 27 }
state	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification rebuild state" ::= { vmemNotif 28 }
vimms	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification vimm lists" ::= { vmemNotif 29 }
set	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification set/clear action" ::= { vmemNotif 30 }
vimmState	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification vimm state" ::= { vmemNotif 31 }
psuAChanged	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification psu-A changed" ::= { vmemNotif 32 }
psuBChanged	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification psu-B changed" ::= { vmemNotif 33 }

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
psuAOld	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification psu-A old state" ::= { vmemNotif 34 }
psuBOld	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification psu-B old state" ::= { vmemNotif 35 }
psuANew	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification psu-A new state" ::= { vmemNotif 36 }
psuBNew OBJECT-TYPE	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification psu-B new state" ::= { vmemNotif 37 }
alarmLedChanged	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification alarm led change" ::= { vmemNotif 38 }
alarmLedOld	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification alarm led old state" ::= { vmemNotif 39 }
alarmLedNew	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification alarm led new state" ::= { vmemNotif 40 }
powerALedChanged	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification powerA led change"

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	::= { vmemNotif 41 }
powerALedOld	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification powerA led old state" ::= { vmemNotif 42 }
powerALedNew	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification powerA led new state" ::= { vmemNotif 43 }
powerBLedChanged	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification powerB led change" ::= { vmemNotif 44 }
powerBLedOld	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification powerB led old state" ::= { vmemNotif 45 }
powerBLedNew	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification powerB led new state" ::= { vmemNotif 46 }
statusLedChanged	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification STATUS led change" ::= { vmemNotif 47 }
statusLedOld	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification STATUS led old state" ::= { vmemNotif 48 }
statusLedNew	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	DESCRIPTION "vmem notification STATUS led new state" ::= { vmemNotif 49 }
stateTypeString	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification vimm state" ::= { vmemNotif 50 }
expectedNodesTypeUint16	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification cluster expected nodes" ::= { vmemNotif 51 }
currentNodesTypeUint16	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification cluster current nodes" ::= { vmemNotif 52 }
clusterStateNumNodes	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification cluster num nodes" ::= { vmemNotif 53 }
hostnameTypeString	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification host name" ::= { vmemNotif 54 }
port	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification port" ::= { vmemNotif 55 }
oldState	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification old state" ::= { vmemNotif 56 }
newState	SYNTAX DisplayString MAX-ACCESS accessible-for-notify

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	STATUS current DESCRIPTION "vmem notification new state" ::= { vmemNotif 57 }
speed	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification port speed" ::= { vmemNotif 58 }
fan1Changed	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 1 change" ::= { vmemNotif 59 }
fan1Old	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 1 old state" ::= { vmemNotif 60 }
fan1New	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 1 new state" ::= { vmemNotif 61 }
fan2Changed	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 2 change" ::= { vmemNotif 62 }
fan2Old	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 2 old state" ::= { vmemNotif 63 }
fan2New	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 2 new state" ::= { vmemNotif 64 }
fan3Changed	SYNTAX TruthValue

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 3 change" ::= { vmemNotif 65 }
fan3Old	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 3 old state" ::= { vmemNotif 66 }
fan3New	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 3 new state" ::= { vmemNotif 67 }
fan4Changed	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 4 change" ::= { vmemNotif 68 }
fan4Old	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 4 old state" ::= { vmemNotif 69 }
fan4New	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 4 new state" ::= { vmemNotif 70 }
fan5Changed	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 5 change" ::= { vmemNotif 71 }
fan5Old	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 5 old state" ::= { vmemNotif 72 }

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
fan5New	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 5 new state" ::= { vmemNotif 73 }
fan6Changed	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 6 change" ::= { vmemNotif 74 }
fan6Old STOPPED HERE	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 6 old state" ::= { vmemNotif 75 }
fan6New	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 6 new state" ::= { vmemNotif 76 }
username	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user name" ::= { vmemNotif 77 }
uid	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user id" ::= { vmemNotif 78 }
gid	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user gid" ::= { vmemNotif 79 }
usernameLocal	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification local user name"

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	::= { vmemNotif 80 }
timestamp	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user login time" ::= { vmemNotif 81 }
remoteAddr	SYNTAX IpAddress MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user remote address" ::= { vmemNotif 82 }
remoteHostname	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user remote system name" ::= { vmemNotif 83 }
peerId	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user peer id" ::= { vmemNotif 84 }
clientDescr	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user client description" ::= { vmemNotif 85 }
sessionId	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification user session id" ::= { vmemNotif 86 }
fan7Change	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 7 change" ::= { vmemNotif 87 }
fan7Old	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	DESCRIPTION "vmem notification fan 7 old state" ::= { vmemNotif 88 }
fan7New	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 7 new state" ::= { vmemNotif 89 }
fan8Changed	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 8 change" ::= { vmemNotif 90 }
fan8Old	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 8 old state" ::= { vmemNotif 91 }
fan8New	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification fan 8 new state" ::= { vmemNotif 92 }
vmgHostId	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification vmg host id" ::= { vmemNotif 93 }
vmgHostName	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification vmg host name" ::= { vmemNotif 94 }
lidAjar	SYNTAX TruthValue MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification array lid ajar state" ::= { vmemNotif 95 }
bootRaidOld	SYNTAX DisplayString MAX-ACCESS accessible-for-notify

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	STATUS current DESCRIPTION "vmem notification gateway boot disk RAID old state" ::= { vmemNotif 96 }
bootRaidNew	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification gateway boot disk RAID new state" ::= { vmemNotif 97 }
keyIndex	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification license key index" ::= { vmemNotif 98 }
feature	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification license key feature description" ::= { vmemNotif 99 }
objectName	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem provisioning object name" ::= { vmemNotif 100 }
objectType	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem provisioning object type" ::= { vmemNotif 101 }
allocSize	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem container allocation size" ::= { vmemNotif 102 }
provSize	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem container provisioned size"

vmemNotif OBJECT IDENTIFIER ::= { vmemNotifObjs 1 }	
Object Type	Details
	::= { vmemNotif 103 }
totalBytes	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem container total bytes" ::= { vmemNotif 104 }
usedSizeTrigger	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem used size trigger" ::= { vmemNotif 105 }
provisionSizeTrigger	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem provisioned size trigger" ::= { vmemNotif 106 }
thresholdType	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem threshold type" ::= { vmemNotif 107 }
snapName	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem snap names" ::= { vmemNotif 108 }
snapgroupName	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem snap group names" ::= { vmemNotif 109 }

2.2 clusterNotifConfig OBJECT IDENTIFIER ::= { vmemNotifObjs 11 }

clusterNotifConfig OBJECT IDENTIFIER ::= { vmemNotifObjs 11 }	
Object Type	Details
id	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification cluster id" ::= { clusterNotifConfig 1 }
serviceDescr	SYNTAX DisplayString MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification cluster service descr" ::= { clusterNotifConfig 2 }
expectedNodes	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "vmem notification cluster expected nodes" ::= { clusterNotifConfig 3 }

2.3 /cluster/state/global

/cluster/state/global	
Object Type	Details
clusterGlobalNotifTable	SYNTAX SEQUENCE OF ClusterGlobalNotifEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "clusterGlobalNotif" ::= { vmemNotifObjs 21 }
clusterGlobalNotifEntry	SYNTAX ClusterGlobalNotifEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "One clusterGlobalNotif" INDEX { clusterGlobalNotifIdx } ::= { clusterGlobalNotifTable 1 }

```
ClusterGlobalNotifEntry ::
SEQUENCE {
    clusterGlobalIdx
        INTEGER,
    clusterAddr
        IpAddress,
    hostid
        DisplayString,
    hostname
```

```
    DisplayString,  
    primaryAddr  
    IpAddress  
}
```

```
from /cluster/state/global/*/cluster_global_idx  
clusterGlobalIdx OBJECT-TYPE  
SYNTAX          INTEGER  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "Table Index"  
::= { clusterGlobalNotifEntry 1 }
```

```
from /cluster/state/global/*/cluster_addr  
clusterAddr OBJECT-TYPE  
SYNTAX          IpAddress  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "IP address of the module"  
::= { clusterGlobalNotifEntry 2 }
```

```
from /cluster/state/global/*/hostid  
hostid OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "Host ID of the module"  
::= { clusterGlobalNotifEntry 3 }
```

```
from /cluster/state/global/*/hostname  
hostname OBJECT-TYPE  
SYNTAX          DisplayString  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "Host name of the module"  
::= { clusterGlobalNotifEntry 4 }
```

```
from /cluster/state/global/*/primary_addr  
primaryAddr OBJECT-TYPE  
SYNTAX          IpAddress  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION     "External IP address of the module"  
::= { clusterGlobalNotifEntry 5 }
```

2.4 Notification Objects

This section contains the following notification types and objects:

- vmemClusterUnexpectedSize
- vmemClusterUnexpectedJoin
- vmemClusterUnexpectedLeave
- vmemHealthWarning
- vmemLifeRemain
- vmemStateChange
- vmemUnknownDeviceType
- vmemSystemSwapState
- vmemVimmTempRisingError
- vmemVimmTempRisingClear
- vmemChassisTempRisingError
- vmemChassisTempRisingClear
- vmemLidAjarTimeRisingError
- vmemLidAjarTimeRisingClear
- vmemArrayPcieLinkUp
- vmemArrayPcieLinkDown
- vmemArrayDataPlaneReady
- vmemArrayRaidRebuild
- vmemArrayVimmStateChange
- vmemArrayPsuState
- vmemArrayLedChange
- vmemFcPortStateChange
- vmemArrayFanChange
- vmemEventsLogin
- vmemEventsLogout
- vmemIbPortStateChange
- vmemGatewayPsuChange
- vmemGatewayFanChange
- vmemArrayLidAjar
- vmemGatewayBootDiskRaidChange
- vmemGatewayLicenseKeyStateChange
- vmemGatewayKernelCrash
- vmemGatewayHASplitBrain
- vmemGatewayUsedSpace
- vmemGatewayUsedSpaceSoft
- vmemGatewayUsedSpaceHard
- vmemGatewayProvSpace
- vmemGatewayProvSpaceSoft
- vmemGatewayProvSpaceHard
- vmemLinkFailureRisingError
- vmemInvalidCrcRisingError
- vmemInvalidTxWordRising
- vmemLossSignalWordRisingError
- vmemLossSyncWordRisingError
- vmemPrimSeqProtocolErrRisingError
- vmemLinkFailureRisingClear
- vmemInvalidCrcRisingClear
- vmemInvalidTxWordRisingClear
- vmemLossSignalWordRisingClear
- vmemLossSyncWordRisingClear
- vmemPrimSeqProtocolErrRisingClear

2.4.1 vmemClusterUnexpectedSize

```
OBJECTS {
    clusterConfigId,
    clusterConfigServiceDescr,
    clusterConfigExpectedNodes,
    clusterStateNumNodes,
    expectedNodesTypeUint16,
    currentNodesTypeUint16
}
STATUS          current
DESCRIPTION     vmemClusterUnexpectedSize"
::= { vmemNotifTrapsPrefix 1 }
```

2.4.2 vmemClusterUnexpectedJoin

```
OBJECTS {
    clusterGlobalIdx,
    hostid,
    hostname,
    primaryAddr,
    clusterAddr,
    clusterStateNumNodes,
    clusterConfigId,
    clusterConfigServiceDescr,
    clusterConfigExpectedNodes,
    hostnameTypeString,
    expectedNodesTypeUint16,
    currentNodesTypeUint16
}
STATUS          current
DESCRIPTION     vmemClusterUnexpectedJoin"
::= { vmemNotifTrapsPrefix 2 }
```

2.4.3 vmemClusterUnexpectedLeave

```
OBJECTS {
    clusterGlobalIdx,
    hostid,
    hostname,
    primaryAddr,
    clusterAddr,
    clusterStateNumNodes,
    clusterConfigId,
    clusterConfigServiceDescr,
    clusterConfigExpectedNodes,
    hostnameTypeString,
    expectedNodesTypeUint16,
    currentNodesTypeUint16
}
STATUS          current
DESCRIPTION     vmemClusterUnexpectedLeave"
::= { vmemNotifTrapsPrefix 3 }
```

2.4.4 vmemHealthWarning

```
OBJECTS {
    id,
    location,
    type,
    vmemModel,
    vmemSerialNo,
    output
```

```
}  
STATUS          current  
DESCRIPTION     vmemHealthWarning"  
::= { vmemNotifTrapsPrefix 11 }
```

2.4.5 vmemLifeRemain

```
OBJECTS {  
  id,  
  location,  
  vmemModel,  
  vmemSerialNo,  
  vmemRevision,  
  lifeRemain  
}  
STATUS          current  
DESCRIPTION     vmemLifeRemain"  
::= { vmemNotifTrapsPrefix 12 }
```

2.4.6 vmemStateChange

```
OBJECTS {  
  id,  
  old,  
  new,  
  type,  
  vmemModel,  
  vmemSerialNo,  
  location,  
  expected  
}  
STATUS          current  
DESCRIPTION     vmemStateChange"  
::= { vmemNotifTrapsPrefix 13 }
```

2.4.7 vmemUnknownDeviceType

```
OBJECTS {  
  id,  
  location,  
  mfrModel,  
  mfrSerialNo  
}  
STATUS          current  
DESCRIPTION     vmemUnknownDeviceType"  
::= { vmemNotifTrapsPrefix 14 }
```

2.4.8 vmemSystemSwapState

```
OBJECTS {
    active
}
STATUS          current
DESCRIPTION     vmemSystemSwapState"
::= { vmemNotifTrapsPrefix 15 }
```

2.4.9 vmemVimmTempRisingError

```
OBJECTS {
    dataValue,
    nodeName
}
STATUS          current
DESCRIPTION     vmemVimmTempRisingError"
::= { vmemNotifTrapsPrefix 16 }
```

2.4.10 vmemVimmTempRisingClear

```
OBJECTS {
    dataValue,
    nodeName
}
STATUS          current
DESCRIPTION     vmemVimmTempRisingClear"
::= { vmemNotifTrapsPrefix 17 }
```

2.4.11 vmemChassisTempRisingError

```
OBJECTS {
    dataValue,
    nodeName
}
STATUS          current
DESCRIPTION     vmemChassisTempRisingError"
::= { vmemNotifTrapsPrefix 20 }
```

2.4.12 vmemChassisTempRisingClear

```
OBJECTS {
    dataValue,
    nodeName
}
STATUS          current
DESCRIPTION     vmemChassisTempRisingClear"
::= { vmemNotifTrapsPrefix 21 }
```

2.4.13 vmemLidAjarTimeRisingError

```
OBJECTS {
    dataValue,
    nodeName
}
STATUS          current
DESCRIPTION     vmemLidAjarTimeRisingError"
::= { vmemNotifTrapsPrefix 24 }
```

2.4.14 vmemLidAjarTimeRisingClear

```
OBJECTS {
    dataValue,
    nodeName
}
STATUS          current
DESCRIPTION     vmemLidAjarTimeRisingClear"
::= { vmemNotifTrapsPrefix 25 }
```

2.4.15 vmemArrayPcieLinkUp

```
OBJECTS {
    id,
    container
}
STATUS          current
DESCRIPTION     vmemArrayPcieLinkUp"
::= { vmemNotifTrapsPrefix 31 }
```

2.4.16 vmemArrayPcieLinkDown

```
OBJECTS {
    id,
    container
}
STATUS          current
DESCRIPTION     vmemArrayPcieLinkDown"
::= { vmemNotifTrapsPrefix 32 }
```

2.4.17 vmemArrayDataPlaneReady

```
OBJECTS {
    id,
    container,
    oldTypeUint8,
    newTypeUint8
}
STATUS          current
```


DESCRIPTION vmemArrayDataPlaneReady"
::= { vmemNotifTrapsPrefix 33 }

2.4.18 vmemArrayRaidRebuild

OBJECTS {
 id,
 container,
 state
}
STATUS current
DESCRIPTION vmemArrayRaidRebuild"
::= { vmemNotifTrapsPrefix 34 }

2.4.19 vmemArrayVimmStateChange

OBJECTS {
 id,
 container,
 vimms,
 set,
 stateTypeString
}
STATUS current
DESCRIPTION vmemArrayVimmStateChange"
::= { vmemNotifTrapsPrefix 35 }

2.4.20 vmemArrayPsuState

OBJECTS {
 id,
 container,
 psuAChanged,
 psuAOld,
 psuANew,
 psuBChanged,
 psuBOld,
 psuBNew
}
STATUS current
DESCRIPTION vmemArrayPsuState"
::= { vmemNotifTrapsPrefix 36 }

2.4.21 vmemArrayLedChange

OBJECTS {
 id,
 container,

```

    alarmLedChanged,
    alarmLedOld,
    alarmLedNew,
    powerALedChanged,
    powerALedOld,
    powerALedNew,
    powerBLedChanged,
    powerBLedOld,
    powerBLedNew,
    statusLedChanged,
    statusLedOld,
    statusLedNew
}
STATUS          current
DESCRIPTION     vmemArrayLedChange"
::= { vmemNotifTrapsPrefix 37 }

```

2.4.22 vmemFcPortStateChange

```

OBJECTS {
    hostnameTypeString,
    port,
    oldState,
    newState,
    speed
}
STATUS          current
DESCRIPTION     vmemFcPortStateChange"
::= { vmemNotifTrapsPrefix 38 }

```

2.4.23 vmemArrayFanChange

```

OBJECTS {
    id,
    container,
    fan1Changed,
    fan1Old,
    fan1New,
    fan2Changed,
    fan2Old,
    fan2New,
    fan3Changed,
    fan3Old,
    fan3New,
    fan4Changed,
    fan4Old,
    fan4New,
    fan5Changed,

```

```
fan5Old,  
fan5New,  
fan6Changed,  
fan6Old,  
fan6New  
}  
STATUS          current  
DESCRIPTION     vmemArrayFanChange"  
::= { vmemNotifTrapsPrefix 39 }
```

2.4.24 vmemEventsLogin

```
OBJECTS {  
  username,  
  timestamp,  
  remoteAddr,  
  peerId,  
  clientDescr,  
  sessionId  
}  
STATUS          current  
DESCRIPTION     vmemEventsLogin"  
::= { vmemNotifTrapsPrefix 40 }
```

2.4.25 vmemEventsLogout

```
OBJECTS {  
  username,  
  timestamp,  
  remoteAddr,  
  peerId,  
  clientDescr,  
  sessionId  
}  
STATUS          current  
DESCRIPTION     vmemEventsLogout"  
::= { vmemNotifTrapsPrefix 41 }
```

2.4.26 vmemIbPortStateChange

```
OBJECTS {  
  hostnameTypeString,  
  port,  
  oldState,  
  newState,  
  speed  
}  
STATUS          current
```

DESCRIPTION vmemIbPortStateChange"
::= { vmemNotifTrapsPrefix 42 }

2.4.27 vmemGatewayPsuChange

OBJECTS {
vmgHostId,
vmgHostName,
psuAChanged,
psuAOld,
psuANew,
psuBChanged,
psuBOld,
psuBNew
}
STATUS current
DESCRIPTION vmemGatewayPsuChange"
::= { vmemNotifTrapsPrefix 43 }

2.4.28 vmemGatewayFanChange

OBJECTS {
vmgHostId,
vmgHostName,
fan1Changed,
fan1Old,
fan1New,
fan2Changed,
fan2Old,
fan2New,
fan3Changed,
fan3Old,
fan3New,
fan4Changed,
fan4Old,
fan4New,
fan5Changed,
fan5Old,
fan5New,
fan6Changed,
fan6Old,
fan6New,
fan7Changed,
fan7New,
fan7Old,
fan8Changed,
fan8New,

```
    fan8Old
  }
STATUS          current
DESCRIPTION     vmemGatewayFanChange"
::= { vmemNotifTrapsPrefix 44 }
```

2.4.29 vmemArrayLidAjar

```
OBJECTS {
  id,
  container,
  lidAjar
}
STATUS          current
DESCRIPTION     vmemArrayLidAjar"
::= { vmemNotifTrapsPrefix 45 }
```

2.4.30 vmemGatewayBootDiskRaidChange

```
OBJECTS {
  vmgHostId,
  vmgHostName,
  bootRaidOld,
  bootRaidNew
}
STATUS          current
DESCRIPTION     vmemGatewayBootDiskRaidChange"
::= { vmemNotifTrapsPrefix 46 }
```

2.4.31 vmemGatewayLicenseKeyStateChange

```
OBJECTS {
  keyIndex,
  feature,
  active
}
STATUS          current
DESCRIPTION     vmemGatewayLicenseKeyStateChange"
::= { vmemNotifTrapsPrefix 47 }
```

2.4.32 vmemGatewayKernelCrash

```
STATUS          current
DESCRIPTION     vmemGatewayKernelCrash"
::= { vmemNotifTrapsPrefix 48 }
```

2.4.33 vmemGatewayHASplitBrain

```
OBJECTS {
    port,
    active
}
STATUS          current
DESCRIPTION     vmemGatewayHASplitBrain"
::= { vmemNotifTrapsPrefix 49 }
```

2.4.34 vmemGatewayUsedSpace

```
OBJECTS {
    container,
    objectName,
    objectType,
    allocSize,
    totalBytes,
    usedSizeTrigger,
    thresholdType,
    snapName,
    snapgroupName
}
STATUS          current
DESCRIPTION     vmemGatewayUsedSpace"
::= { vmemNotifTrapsPrefix 50 }
```

2.4.35 vmemGatewayUsedSpaceSoft

```
OBJECTS {
    container,
    objectName,
    objectType,
    allocSize,
    totalBytes,
    usedSizeTrigger,
    thresholdType,
    snapName,
    snapgroupName
}
STATUS          current
DESCRIPTION     vmemGatewayUsedSpaceSoft"
::= { vmemNotifTrapsPrefix 51 }
```

2.4.36 vmemGatewayUsedSpaceHard

```
OBJECTS {
    container,
    objectName,
    objectType,
```

```
    allocSize,
    totalBytes,
    usedSizeTrigger,
    thresholdType,
    snapName,
    snapgroupName
}
STATUS          current
DESCRIPTION     vmemGatewayUsedSpaceHard"
::= { vmemNotifTrapsPrefix 52 }
```

2.4.37 vmemGatewayProvSpace

```
OBJECTS {
    container,
    objectName,
    objectType,
    provSize,
    totalBytes,
    provisionSizeTrigger,
    thresholdType
}
STATUS          current
DESCRIPTION     vmemGatewayProvSpace"
::= { vmemNotifTrapsPrefix 53 }
```

2.4.38 vmemGatewayProvSpaceSoft

```
OBJECTS {
    container,
    objectName,
    objectType,
    provSize,
    totalBytes,
    provisionSizeTrigger,
    thresholdType
}
STATUS          current
DESCRIPTION     vmemGatewayProvSpaceSoft"
::= { vmemNotifTrapsPrefix 54 }
```

2.4.39 vmemGatewayProvSpaceHard

```
OBJECTS {
    container,
    objectName,
    objectType,
    provSize,
```

```
    totalBytes,  
    provisionSizeTrigger,  
    thresholdType  
  }  
STATUS          current  
DESCRIPTION     vmemGatewayProvSpaceHard"  
::= { vmemNotifTrapsPrefix 55 }
```

2.4.40 vmemLinkFailureRisingError

```
OBJECTS {  
  dataValue,  
  hostnameTypeString,  
  port  
}  
STATUS          current  
DESCRIPTION     vmemLinkFailureRisingError"  
::= { vmemNotifTrapsPrefix 60 }
```

2.4.41 vmemInvalidCrcRisingError

```
OBJECTS {  
  dataValue,  
  hostnameTypeString,  
  port  
}  
STATUS          current  
DESCRIPTION     vmemInvalidCrcRisingError"  
::= { vmemNotifTrapsPrefix 62 }
```

2.4.42 vmemInvalidTxWordRising

```
OBJECTS {  
  dataValue,  
  hostnameTypeString,  
  port  
}  
STATUS          current  
DESCRIPTION     vmemInvalidTxWordRisingError"  
::= { vmemNotifTrapsPrefix 64 }
```

2.4.43 vmemLossSignalWordRisingError

```
OBJECTS {  
  dataValue,  
  hostnameTypeString,  
  port
```



```
}  
STATUS          current  
DESCRIPTION     vmemLossSignalWordRisingError"  
::= { vmemNotifTrapsPrefix 66 }
```

2.4.44 vmemLossSyncWordRisingError

```
OBJECTS {  
    dataValue,  
    hostnameTypeString,  
    port  
}  
STATUS          current  
DESCRIPTION     vmemLossSyncWordRisingError"  
::= { vmemNotifTrapsPrefix 68 }
```

2.4.45 vmemPrimSeqProtocolErrRisingError

```
OBJECTS {  
    dataValue,  
    hostnameTypeString,  
    port  
}  
STATUS          current  
DESCRIPTION     vmemPrimSeqProtocolErrRisingError"  
::= { vmemNotifTrapsPrefix 70 }
```

2.4.46 vmemLinkFailureRisingClear

```
OBJECTS {  
    dataValue,  
    hostnameTypeString,  
    port  
}  
STATUS          current  
DESCRIPTION     vmemLinkFailureRisingClear"  
::= { vmemNotifTrapsPrefix 61 }
```

2.4.47 vmemInvalidCrcRisingClear

```
OBJECTS {  
    dataValue,  
    hostnameTypeString,  
    port  
}  
STATUS          current  
DESCRIPTION     vmemInvalidCrcRisingClear"  
::= { vmemNotifTrapsPrefix 63 }
```

2.4.48 vmemInvalidTxWordRisingClear

```
OBJECTS {
    dataValue,
    hostnameTypeString,
    port
}
STATUS          current
DESCRIPTION     vmemInvalidTxWordRisingClear"
::= { vmemNotifTrapsPrefix 65 }
```

2.4.49 vmemLossSignalWordRisingClear

```
OBJECTS {
    dataValue,
    hostnameTypeString,
    port
}
STATUS          current
DESCRIPTION     vmemLossSignalWordRisingClear"
::= { vmemNotifTrapsPrefix 67 }
```

2.4.50 vmemLossSyncWordRisingClear

```
OBJECTS {
    dataValue,
    hostnameTypeString,
    port
}
STATUS          current
DESCRIPTION     vmemLossSyncWordRisingClear"
::= { vmemNotifTrapsPrefix 69 }
```

2.4.51 vmemPrimSeqProtocolErrRisingClear

```
OBJECTS {
    dataValue,
    hostnameTypeString,
    port
}
STATUS          current
DESCRIPTION     vmemPrimSeqProtocolErrRisingClear"
::= { vmemNotifTrapsPrefix 71 }
```

3 TMS-MIB DEFINITIONS ::= BEGIN

Filename: \$Source: /windy/home/scm/CVS_TMS/src/bin/snmp/tms/mibs/TMS-MIB.txt,v \$

Revision: \$Revision: 1.34 \$

Date: \$Date: 2011/07/27 00:32:37 \$

Author: \$Author: et \$

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\$TallMaple: src/bin/snmp/tms/mibs/TMS-MIB.txt,v 1.34 2011/07/27 00:32:37 et Exp \$

IMPORTS

OBJECT-TYPE, MODULE-IDENTITY, NOTIFICATION-TYPE, enterprises,

 Unsigned32, Counter64

 FROM SNMPv2-SMI

IpAddress

 FROM RFC1155-SMI

InetAddress

 FROM INET-ADDRESS-MIB

InetAddressType

 FROM INET-ADDRESS-MIB

TruthValue

 FROM SNMPv2-TC;

violin-memory-trap MODULE-IDENTITY

LAST-UPDATED "200902191600Z"

ORGANIZATION "Tall Maple Systems, Inc."

CONTACT-INFO " Greg Snyder gregs@tallmaple.com"

DESCRIPTION "Tall Maple vendor MIB"

REVISION "200902191600Z"

DESCRIPTION "Add fsTable"

REVISION "200907021725Z"

DESCRIPTION "Add cpuTable"

REVISION "200503111730Z"

DESCRIPTION "Minor updates based on running through a MIB validator"

REVISION "200401102231Z"

DESCRIPTION "Initial revision, Samara 1.0"

::= { enterprises 16858 }

Object Identifiers

Object Identifier	Details
variables	::= { tms 1 }
tmsProducts	::= { tms 2 }
notifications	::= { tms 3 }

3.1 Variables

This section contains the following variables:

- system
- cpu
- procmgr
- filesystem
- sessions
- cmc

3.1.1 system

system OBJECT IDENTIFIER

::= { variables 1 }

systemVersion OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION "System software version string"

::= { system 1 }

3.1.2 cpu

cpu OBJECT IDENTIFIER

::= { system 2 }

Object Type	Details
cpuLoad1	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "One-minute CPU load in hundreths" ::= { cpu 1 }
cpuLoad5	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "Five-minute CPU load in hundreths" ::= { cpu 2 }
cpuLoad15	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "Fifteen-minute CPU load in hundreths" ::= { cpu 3 }
cpuUtil1	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current

Object Type	Details
	DESCRIPTION "Percentage CPU utilization, aggregated across all CPUs, rolling average over the past minute" ::= { cpu 4 }
cpuTable	SYNTAX SEQUENCE OF CpuEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "List of CPUs" ::= { cpu 5 }
cpuEntry	SYNTAX CpuEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "Entry for one CPU" INDEX { cpuIndex } ::= { cpuTable 1 } CpuEntry ::= SEQUENCE { cpuIndex Unsigned32, idleTime TimeTicks, systemTime TimeTicks, userTime TimeTicks, utilPct1Min Unsigned32 }
cpuIndex	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "Index of CPU, starting from 0" ::= { cpuEntry 1 }
idleTime	SYNTAX TimeTicks MAX-ACCESS read-only STATUS current DESCRIPTION "Time in milliseconds CPU has spent idle" ::= { cpuEntry 2 }
systemTime	SYNTAX TimeTicks MAX-ACCESS read-only STATUS current DESCRIPTION "Time in milliseconds CPU has spent busy with system tasks" ::= { cpuEntry 3 }
userTime	SYNTAX TimeTicks MAX-ACCESS read-only STATUS current

Object Type	Details
	DESCRIPTION "Time in milliseconds CPU has spent busy with user tasks" ::= { cpuEntry 4 }
utilPct1Min	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "Percentage CPU utilization over the past minute" ::= { cpuEntry 5 }

3.1.3 procmgr

procmgr OBJECT IDENTIFIER

::= { system 3 }

Object Type	Details
procTable	SYNTAX SEQUENCE OF ProcEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "List of processes managed or monitored by PM" ::= { procmgr 1 }
procEntry	SYNTAX ProcEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "Entry for one process" INDEX { proIndex } ::= { procTable 1 } ProcEntry ::= SEQUENCE { proIndex Unsigned32, procName OCTET STRING, procStatus OCTET STRING, procNumFailures Unsigned32, procPid INTEGER }
proIndex	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "Synthetic numeric unique ID of process" ::= { procEntry 1 }
procName	SYNTAX OCTET STRING MAX-ACCESS read-only STATUS current DESCRIPTION "Unique name of process"

Object Type	Details
	::= { procEntry 2 }
procStatus	SYNTAX OCTET STRING MAX-ACCESS read-only STATUS current DESCRIPTION "Current state of process" ::= { procEntry 3 }
procNumFailures	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "Number of times process has crashed or exited unexpectedly" ::= { procEntry 4 }
procPid	SYNTAX INTEGER MAX-ACCESS read-only STATUS current DESCRIPTION "PID" ::= { procEntry 5 }

3.1.4 filesystem

filesystems OBJECT IDENTIFIER

::= { system 4 }

Object Type	Details
fsTable OBJECT-TYP	SYNTAX SEQUENCE OF FsEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "List of filesystems currently mounted" ::= { filesystems 1 }
fsEntry	SYNTAX FsEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "Entry for one mounted filesystem" INDEX { fsIndex } ::= { fsTable 1 } FsEntry ::= SEQUENCE { fsIndex Unsigned32, fsMountPoint OCTET STRING, fsSpaceTotal Counter64, fsSpaceUsed Counter64, fsSpaceFree Counter64,

Object Type	Details
	fsSpaceAvail Counter64 }
fsIndex	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "Synthetic numeric index for this filesystem" ::= { fsEntry 1 }
fsMountPoint	SYNTAX OCTET STRING MAX-ACCESS read-only STATUS current DESCRIPTION "Mount point for this filesystem" ::= { fsEntry 2 }
fsSpaceTotal	SYNTAX Counter64 MAX-ACCESS read-only STATUS current DESCRIPTION "Total number of bytes in this filesystem" ::= { fsEntry 3 }
fsSpaceUsed	SYNTAX Counter64 MAX-ACCESS read-only STATUS current DESCRIPTION "Number of bytes used in this filesystem" ::= { fsEntry 4 }
fsSpaceFree	SYNTAX Counter64 MAX-ACCESS read-only STATUS current DESCRIPTION "Number of bytes free in this filesystem" ::= { fsEntry 5 }
fsSpaceAvail	SYNTAX Counter64 MAX-ACCESS read-only STATUS current DESCRIPTION "Number of bytes available in this filesystem" ::= { fsEntry 6 }

3.1.5 sessions

sessions OBJECT IDENTIFIER

::= { system 5 }

Object Type	Details
sessionTable	SYNTAX EQUENCE OF SessionEntry MAX-ACCESS not-accessible STATUS current

Object Type	Details
	DESCRIPTION "List of active mgmtd sessions" ::= { sessions 1 }
sessionEntry	SYNTAX SessionEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "Entry for one active session" INDEX { sessionId } ::= { sessionTable 1 } SessionEntry ::= SEQUENCE { sessionId Unsigned32, username OCTET STRING, usernameLocal OCTET STRING, remoteAddr IpAddress, remoteHostname OCTET STRING, clientDescr OCTET STRING, remoteInetAddressType InetAddressType, remoteInetAddress InetAddress, line OCTET STRING }
sessionId	SYNTAX Unsigned32 MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "Session ID" ::= { sessionEntry 1 }
username	SYNTAX OCTET STRING MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "Username" ::= { sessionEntry 2 }
usernameLocal	SYNTAX OCTET STRING MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "Local username" ::= { sessionEntry 3 }
remoteAddr	SYNTAX IpAddress MAX-ACCESS accessible-for-notify STATUS urrent DESCRIPTION "Remote IP address (deprecated in favor of remoteInetAddressType and remoteInetAddress)"

Object Type	Details
	::= { sessionEntry 4 }
remoteHostname	SYNTAX OCTET STRING MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "Remote hostname" ::= { sessionEntry 5 }
clientDescr	SYNTAX OCTET STRING MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "Client description" ::= { sessionEntry 6 }
remoteInetaddrType	SYNTAX InetAddressType MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "Remote address family" ::= { sessionEntry 7 }
remoteInetaddr	SYNTAX InetAddress MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "Remote IPv4 or IPv6 address" ::= { sessionEntry 8 }
line	SYNTAX OCTET STRING MAX-ACCESS accessible-for-notify STATUS current DESCRIPTION "Line" ::= { sessionEntry 9 }

3.1.6 cmc

cmc OBJECT IDENTIFIER

::= { variables 2 }

Object Type	Details
applTable	SYNTAX SEQUENCE OF ApplEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "List of appliances managed by the CMC" ::= { cmc 1 }
applEntry	SYNTAX ApplEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION "Entry for one managed appliance"

Object Type	Details
	INDEX { applIndex } ::= { applTable 1 } ApplEntry ::= SEQUENCE { applIndex Unsigned32, applName OCTET STRING, applConnected truthValue, applOK TruthValue }
applIndex	SYNTAX Unsigned32 MAX-ACCESS read-only STATUS current DESCRIPTION "Synthetic numeric unique ID of appliance" ::= { applEntry 1 }
applName	SYNTAX OCTET STRING MAX-ACCESS read-only STATUS current DESCRIPTION "Textual ID/name of appliance" ::= { applEntry 2 } -- 3 and 4 were applConnected and applOK when they were Unsigned32 (0=false, 1=true). They were retired when the new TruthValue versions of each were introduced on 5 and 6.
applConnected	SYNTAX TruthValue MAX-ACCESS read-only STATUS current DESCRIPTION "Is CMC connected to this appliance (1=yes, 2=no)" ::= { applEntry 5 }
applOK	SYNTAX TruthValue MAX-ACCESS read-only STATUS current DESCRIPTION "Did this appliance pass its most recent status check (1=yes, 2=no)" ::= { applEntry 6 }

3.2 PRODUCTS

generic OBJECT IDENTIFIER

::= { tmsProducts 1 }

tmsDemo OBJECT IDENTIFIER

::= { tmsProducts 2 }

3.3 Notifications

notificationPrefix OBJECT IDENTIFIER

::= { notifications 0 }

Notification Type	Details
procCrash	<p>OBJECTS { procName }</p> <p>STATUS current</p> <p>DESCRIPTION "A procCrash trap signifies that a process managed by PM has crashed and left a core file. The variable sent with the notification indicates which process crashed."</p> <p>::= { notificationPrefix 1 }</p>
procExit	<p>OBJECTS { cpuIndex }</p> <p>STATUS current</p> <p>DESCRIPTION "The average CPU utilization in the past minute has gone above the acceptable threshold"</p> <p>::= { notificationPrefix 3 }</p>
cpuUtilHigh	<p>OBJECTS { cpuIndex }</p> <p>STATUS current</p> <p>DESCRIPTION "The average CPU utilization in the past minute has gone above the acceptable threshold"</p> <p>::= { notificationPrefix 3 }</p>
pagingActivityHigh	<p>STATUS current</p> <p>DESCRIPTION "The system has been paging excessively (thrashing)"</p> <p>::= { notificationPrefix 4 }</p>
smartError	<p>STATUS current</p> <p>DESCRIPTION "SMART has sent an event about a possible disk error"</p> <p>::= { notificationPrefix 5 }</p>
unexpectedShutdown	<p>STATUS current</p> <p>DESCRIPTION "The system has shut down unexpectedly"</p> <p>::= { notificationPrefix 6 }</p>
diskSpaceLow	<p>OBJECTS { fsMountPoint }</p> <p>STATUS current</p> <p>DESCRIPTION "Free space in one of the filesystems is low"</p> <p>::= { notificationPrefix 7 }</p>
procLivenessFailure	<p>OBJECTS { procName }</p> <p>STATUS current</p> <p>DESCRIPTION "Process Manager has detected that a process has hung, and will now perform its restart action"</p> <p>::= { notificationPrefix 8 }</p>
cmcStatusFailure	<p>OBJECTS { applName }</p> <p>STATUS current</p> <p>DESCRIPTION "One or more status criteria on a CMC-managed appliance have failed"</p>

Notification Type	Details
	::= { notificationPrefix 9 }
memUtilizationHigh	STATUS current DESCRIPTION "Memory utilization on the system is high" ::= { notificationPrefix 10 }
netUtilizationHigh	STATUS current DESCRIPTION "Network utilization on the system is high" ::= { notificationPrefix 11 }
diskIOHigh	STATUS current DESCRIPTION "Disk I/O on the system is high" ::= { notificationPrefix 12 }
cmcVersionMismatch	OBJECTS { applName } STATUS current DESCRIPTION "The system software version on a CMC managed appliance does not match the server version" ::= { notificationPrefix 13 }
userLogin	OBJECTS { username, usernameLocal, remoteAddr, remoteHostname, clientDescr, line } STATUS current DESCRIPTION "A user has logged into the system" ::= { notificationPrefix 14 }
userLogout	OBJECTS { username, usernameLocal, remoteAddr, remoteHostname, clientDescr, line } STATUS current DESCRIPTION "A user has logged out of the system" ::= { notificationPrefix 15 }
testTrap	STATUS current DESCRIPTION "A test trap ordered by the system administrator" ::= { notificationPrefix 16 }

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