

Current release: 5.7.3

INTRODUCTION

This is a summary of information regarding objects below the **host** MIB object, which is defined within the **HOST-RESOURCES-MIB** MIB document as **.1.3.6.1.2.1.25**.

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SCALAR OBJECTS



			portion of the system.
2 hrSystemDate	OCTETSTR Legal Lengths: 8 , 11 DateAndTime	ReadWrite .1.3.6.1.2.1.25.1.2	Note: this object is based on the DateAndTime TEXTUAL-CONVENTION. The host's notion of the local date and time of day.
3	INTEGER32	which thi operating	The index of the hrDeviceEntry for the device from which this host is configured to load its initial operating system configuration (i.e., which operating system code and/or boot parameters).
hrSystemInitialLoadDevice	Legal values: 1 2147483647	ReadWrite .1.3.6.1.2.1.25.1.3	Note that writing to this object just changes the configuration that will be used the next time the operating system is loaded and does not actually cause the reload to occur.
			Note: this object is based on the InternationalDisplayString TEXTUAL-CONVENTION.
4 hrSystemInitialLoadParameter	OCTETSTR Legal Lengths: 0 128 InternationalDisplayString	ReadWrite .1.3.6.1.2.1.25.1.4	This object contains the parameters (e.g. a pathname and parameter) supplied to the load device when requesting the initial operating system configuration from that device.
			Note that writing to this object just changes the configuration that will be used the next time the operating system is loaded and does not actually cause the reload to occur.
5 hrSystemNumUsers	GAUGE	ReadOnly .1.3.6.1.2.1.25.1.5	The number of user sessions for which this host is storing state information. A session is a collection of processes requiring a single act of user authentication and possibly subject to collective job control.
6 hrSystemProcesses	GAUGE	ReadOnly .1.3.6.1.2.1.25.1.6	The number of process contexts currently loaded or running on this system.
7 hrSystemMaxProcesses	INTEGER32 Legal values: 0 2147483647	ReadOnly .1.3.6.1.2.1.25.1.7	The maximum number of process contexts this system can support. If there is no fixed maximum, the value should be zero. On systems that have a fixed maximum, this object can help diagnose failures that occur when this maximum is reached.

TABLE OBJECTS

Table hrStorageTable

Table Name hrStorageTable

In MIB **HOST-RESOURCES-MIB**

Registered at OID .1.3.6.1.2.1.25.2.3

The (conceptual) table of logical storage areas on the host.

An entry shall be placed in the storage table for each logical area of storage that is allocated and has fixed resource limits. The amount of storage represented in an entity is the amount actually usable by the requesting entity, and excludes loss due to formatting or file system reference information.

These entries are associated with logical storage areas, as might be seen by an application, rather than physical storage entities which are typically seen by Table Description an operating system. Storage such as tapes and floppies without file systems on them are typically not allocated in chunks by the operating system to requesting applications, and therefore shouldn't appear in this table. Examples of valid storage for this table include disk partitions, file systems, ram (for some architectures this is further segmented into regular memory, extended memory, and so on), backing store for virtual memory (`swap space').

> This table is intended to be a useful diagnostic for 'out of memory' and 'out of buffers' types of failures. In addition, it can be a useful performance monitoring tool for tracking memory, disk, or buffer usage.

A (conceptual) entry for one logical storage area on Row Description the host. As an example, an instance of the hrStorageType object might be named hrStorageType.3

hrStorageTable Indexes:

Name	Туре	Access	Description
1 hrStorageIndex	INTEGER32 Legal values: 1 2147483647	ReadOnly	A unique value for each logical storage area contained by the host.

Other hrStorageTable Columns:

Name	Туре	Access	Description
2	OBJECTID	ReadOnly	Note: this object is based on the AutonomousType TEXTUAL-CONVENTION.
hrStorageType	AutonomousType	ReadOnly	The type of storage represented by this entry.
3	OCTETSTR		Note: this object is based on the DisplayString TEXTUAL-CONVENTION.
hrStorageDescr	Legal Lengths: 0 255 DisplayString	ReadOnly	A description of the type and instance of the storage described by this entry.
4 hrStorageAllocationUnits	INTEGER32 Legal values: 1 2147483647	, ReadOnly	The size, in bytes, of the data objects allocated from this pool. If this entry is monitoring sectors, blocks, buffers, or packets, for example, this number will commonly be greater than one. Otherwise this number will typically be one.
5 hrStorageSize	INTEGER32 Legal values: 0 2147483647	, ReadWrite	The size of the storage represented by this entry, in units of hrStorageAllocationUnits. This object is writable to allow remote configuration of the size of the storage area in those cases where such an eoperation makes sense and is possible on the underlying system. For example, the amount of main memory allocated to a buffer pool might be modified or the amount of disk space allocated to virtual memory might be modified.
6 hrStorageUsed	INTEGER32 Legal values: 0 2147483647	, ReadOnly	The amount of the storage represented by this entry that is allocated, in units of hrStorageAllocationUnits.
7 hrStorageAllocationFailures	COUNTER	ReadOnly	The number of requests for storage represented by this entry that could not be honored due to not enough storage. It should be noted that as this object has a SYNTAX of Counter32, that it does not have a defined initial value. However, it is recommended that this

object be initialized to zero, even though management stations must not depend on such an initialization.

Table hrDeviceTable

Table Name hrDeviceTable
In MIB HOST-RESOURCES-MIB
Registered at OID .1.3.6.1.2.1.25.3.2

Table Description The (conceptual) table of devices contained by the host.

A (conceptual) entry for one device contained by the host. As an example, an instance of the hrDeviceType object might be named hrDeviceType.3

hrDeviceTable Indexes:

Name	Туре	Access	Description
1 hrDeviceIndex	INTEGER32 Legal values: 1 2147483647		A unique value for each device contained by the host. The value for each device must remain constant at least from one re-initialization of the agent to the next re-initialization.

Other hrDeviceTable Columns:

Name	Туре	Access	Description
2 hrDeviceType	OBJECTID AutonomousType	ReadOnly	Note: this object is based on the AutonomousType TEXTUAL-CONVENTION. An indication of the type of device. If this value is `hrDeviceProcessor { hrDeviceTypes 3 }' then an entry exists in the hrProcessorTable which corresponds to this device. If this value is `hrDeviceNetwork { hrDeviceTypes 4 }', then an entry exists in the hrNetworkTable which corresponds to this device. If this value is `hrDevicePrinter { hrDeviceTypes 5 }', then an entry

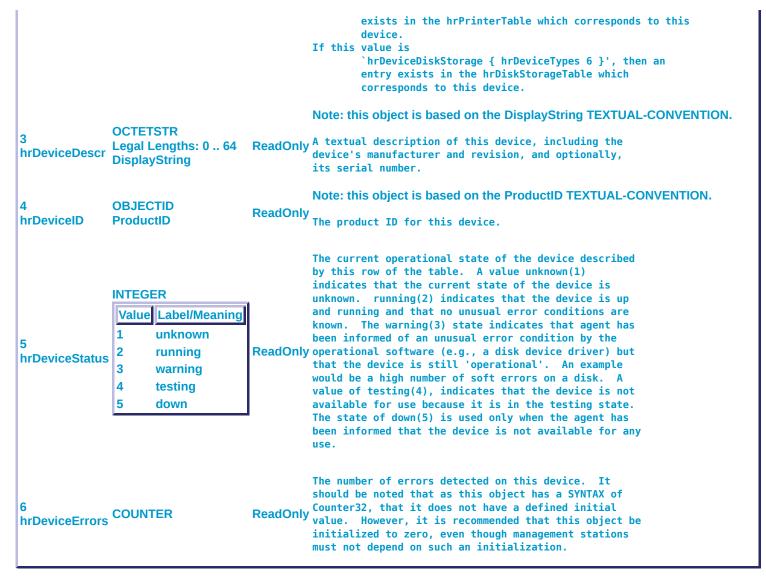


Table hrProcessorTable

Table Name	hrProcessorTable
In MIB	HOST-RESOURCES-MIB

Registered at OID .1.3.6.1.2.1.25.3.3

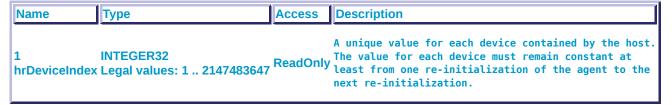
The (conceptual) table of processors contained by the host.

Table Description Note that this table is potentially sparse: a (conceptual) entry exists only if the correspondent value of the hrDeviceType object is `hrDeviceProcessor'.

A (conceptual) entry for one processor contained by the host. The hrDeviceIndex in the index represents the entry in the hrDeviceTable that corresponds to the hrProcessorEntry.

As an example of how objects in this table are named, an instance of the hrProcessorFrwID object might be named hrProcessorFrwID.3

hrProcessorTable Indexes:



Other hrProcessorTable Columns:

Name	Туре	Access	Description
1 hrProcessorFrwID	OBJECTID ProductID	ReadOnly	Note: this object is based on the ProductID TEXTUAL-CONVENTION. The product ID of the firmware associated with the processor.
2 hrProcessorLoad	INTEGER32 Legal values: 0 100	Dandoul.	The average, over the last minute, of the percentage of time that this processor was not idle. Implementations may approximate this one minute smoothing period if necessary.

Table hrNetworkTable

Table Name hrNetworkTable In MIB **HOST-RESOURCES-MIB** Registered at OID .1.3.6.1.2.1.25.3.4 The (conceptual) table of network devices contained by the host. Table Description Note that this table is potentially sparse: a (conceptual) entry exists only if the correspondent value of the hrDeviceType object is `hrDeviceNetwork'. A (conceptual) entry for one network device contained by the host. The hrDeviceIndex in the index represents the entry in the hrDeviceTable that corresponds to the hrNetworkEntry. **Row Description** As an example of how objects in this table are named, an instance of the hrNetworkIfIndex object might be named hrNetworkIfIndex.3

hrNetworkTable Indexes:



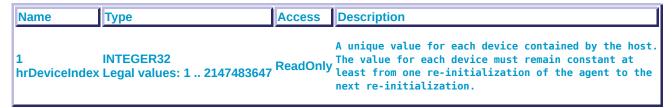
Other hrNetworkTable Columns:

Name	Туре	Access	Description
			Note: this object is based on the InterfaceIndexOrZero TEXTUAL-CONVENTION.
1 hrNetworkIfIndex	INTEGER32 Legal values: 0 2147483647 InterfaceIndexOrZero	ReadOnly	The value of ifIndex which corresponds to this network device. If this device is not represented in the ifTable, then this value shall be zero.

Table hrPrinterTable

Table Name hrPrinterTable In MIB **HOST-RESOURCES-MIB** Registered at OID .1.3.6.1.2.1.25.3.5 The (conceptual) table of printers local to the host. Note that this table is potentially sparse: a **Table Description** (conceptual) entry exists only if the correspondent value of the hrDeviceType object is `hrDevicePrinter'. A (conceptual) entry for one printer local to the host. The hrDeviceIndex in the index represents the entry in the hrDeviceTable that corresponds to the hrPrinterEntry. **Row Description** As an example of how objects in this table are named, an instance of the hrPrinterStatus object might be named hrPrinterStatus.3

hrPrinterTable Indexes:



Other hrPrinterTable Columns:



This object represents any error conditions detected by the printer. The error conditions are encoded as bits in an octet string, with the following definitions:

Condition	Bit #
lowPaper	0
noPaper	1
lowToner	2
noToner	3
door0pen	4
jammed	5
offline	6
serviceRequested	7
inputTrayMissing	8
outputTrayMissing	9
markerSupplyMissir	ıg 10
outputNearFull	11
outputFull	12
inputTrayEmpty	13
overduePreventMair	it 14

hrPrinterDetectedErrorState OCTETSTR ReadOnly

Bits are numbered starting with the most significant bit of the first byte being bit 0, the least significant bit of the first byte being bit 7, the most significant bit of the second byte being bit 8, and so on. A one bit encodes that the condition was detected, while a zero bit encodes that the condition was not detected.

This object is useful for alerting an operator to specific warning or error conditions that may occur, especially those requiring human intervention.

Table hrDiskStorageTable

Table Name hrDiskStorageTable
In MIB HOST-RESOURCES-MIB
Registered at OID .1.3.6.1.2.1.25.3.6

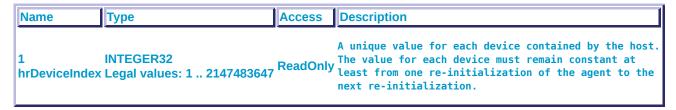
Table Description The (conceptual) table of long-term storage devices contained by the host. In particular, disk devices

accessed remotely over a network are not included here.

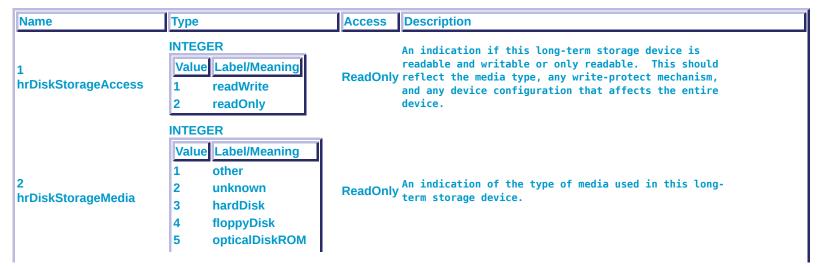
Note that this table is potentially sparse: a (conceptual) entry exists only if the correspondent value of the hrDeviceType object is `hrDeviceDiskStorage'.

A (conceptual) entry for one long-term storage device contained by the host. The hrDeviceIndex in the index represents the entry in the hrDeviceTable that corresponds to the hrDiskStorageEntry. As an example, an instance of the hrDiskStorageCapacity object might be named hrDiskStorageCapacity.3

hrDiskStorageTable Indexes:



Other hrDiskStorageTable Columns:



opticalDiskWORM 6 **opticalDiskRW** ramDisk Note: this object is based on the TruthValue TEXTUAL-CONVENTION. **INTEGER** hrDiskStorageRemoveble TruthValue ReadOnly Denotes whether or not the disk media may be removed (ENUM list below) from the drive. Note: this object is based on the KBytes TEXTUAL-CONVENTION. **INTEGER32** Legal values: 0 .. 2147483647 ReadOnly The total size for this long-term storage device. If hrDiskStorageCapacity the media is removable and is currently removed, this **KBytes** value should be zero.

Table hrPartitionTable

Table Name hrPartitionTable In MIB **HOST-RESOURCES-MIB** Registered at OID .1.3.6.1.2.1.25.3.7 The (conceptual) table of partitions for long-term storage devices contained by the host. In particular, **Table Description** partitions accessed remotely over a network are not included here. A (conceptual) entry for one partition. The hrDeviceIndex in the index represents the entry in the hrDeviceTable that corresponds to the hrPartitionEntry. **Row Description** As an example of how objects in this table are named, an instance of the hrPartitionSize object might be named hrPartitionSize.3.1

hrPartitionTable Indexes:

Nar	me	Туре	Access	Description
1 hrD		INTEGER32 Legal values: 1 2147483647	DoodOnly	A unique value for each device contained by the host. The value for each device must remain constant at least from one re-initialization of the agent to the

```
next re-initialization.

A unique value for each partition on this long-term storage device. The value for each long-term storage hrPartitionIndex Legal values: 1 .. 2147483647

ReadOnly device must remain constant at least from one reinitialization of the agent to the next reinitialization.
```

Other hrPartitionTable Columns:

Name	Туре	Access	Description
2 hrPartitionLabel	OCTETSTR Legal Lengths: 0 128 InternationalDisplayString	ReadOnly	Note: this object is based on the InternationalDisplayString TEXTUAL-CONVENTION. A textual description of this partition.
3 hrPartitionID	OCTETSTR	ReadOnly	A descriptor which uniquely represents this partition to the responsible operating system. On some systems, this might take on a binary representation.
4 hrPartitionSize	INTEGER32 Legal values: 0 2147483647 KBytes	7 ReadOnly	Note: this object is based on the KBytes TEXTUAL-CONVENTION. The size of this partition.
5 hrPartitionFSInde	INTEGER32 x Legal values: 0 2147483647	, ReadOnly	The index of the file system mounted on this partition. If no file system is mounted on this partition, then this value shall be zero. Note that multiple partitions may point to one file system, denoting that that file system resides on those partitions. Multiple file systems may not reside on one partition.

Table hrFSTable

Table Name	hrFSTable
In MIB	HOST-RESOURCES-MIB
Registered at OID	.1.3.6.1.2.1.25.3.8
Table Description	The (conceptual) table of file systems local to this host or remotely mounted from a file server. File systems that are in only one user's environment on a multi-user system will not be included in this table.

hrFSTable Indexes:

Name	Туре	Access	Description
1 hrFSInde	INTEGER32 c Legal values: 1 2147483647	, ReadOnly	A unique value for each file system local to this host. The value for each file system must remain constant at least from one re-initialization of the agent to the next re-initialization.

Other hrFSTable Columns:

Name	Туре	Access	Description
2	OCTETSTR Legal Lengths: 0 128	ReadOnly	Note: this object is based on the InternationalDisplayString TEXTUAL-CONVENTION.
hrFSMountPoint	InternationalDisplayString	-	The path name of the root of this file system.
			Note: this object is based on the InternationalDisplayString TEXTUAL-CONVENTION.
3 hrFSRemoteMountPoint	OCTETSTR Legal Lengths: 0 128 InternationalDisplayString	ReadOnly	A description of the name and/or address of the server that this file system is mounted from. This may also include parameters such as the mount point on the remote file system. If this is not a remote file system, this string should have a length of zero.
			Note: this object is based on the AutonomousType TEXTUAL-CONVENTION.
hrFSType	OBJECTID AutonomousType	ReadOnly	The value of this object identifies the type of this file system.
5 hrFSAccess	INTEGER Value Label/Meaning 1 readWrite 2 readOnly	ReadOnly	An indication if this file system is logically configured by the operating system to be readable and writable or only readable. This does not represent any local access-control policy, except one that is applied to the file system as a whole.
	INTEGER		Note: this object is based on the TruthValue TEXTUAL-CONVENTION.
6 hrFSBootable	TruthValue (ENUM list below)	ReadOnly	A flag indicating whether this file system is bootable.
7 hrFSStorageIndex	INTEGER32 Legal values: 0	ReadOnly	The index of the hrStorageEntry that represents

information about this file system. If there is no such information available, then this value shall be zero. The relevant storage entry will be useful in tracking the percent usage of this file system and diagnosing errors that may occur when it runs out of space.

Note: this object is based on the DateAndTime TEXTUAL-CONVENTION.

The last date at which this complete file system was copied to another storage device for backup. This information is useful for ensuring that backups are ReadWrite being performed regularly.

If this information is not known, then this variable shall have the value corresponding to January 1, year 0000, 00:00:00.0, which is encoded as (hex)'00 00 01 01 00 00 00 00'.

Note: this object is based on the DateAndTime TEXTUAL-CONVENTION.

The last date at which a portion of this file system was copied to another storage device for backup. This information is useful for ensuring that backups are ReadWrite being performed regularly.

> If this information is not known, then this variable shall have the value corresponding to January 1, year 0000, 00:00:00.0, which is encoded as (hex)'00 00 01 01 00 00 00 00'.

2147483647

OCTETSTR Legal Lengths: 8, 11 hrFSLastFullBackupDate

DateAndTime

OCTETSTR Legal Lengths: 8, 11 hrFSLastPartialBackupDate DateAndTime

Table hrSWRunTable

Table Name hrSWRunTable

In MIB **HOST-RESOURCES-MIB**

Registered at OID .1.3.6.1.2.1.25.4.2

Table Description host. The (conceptual) table of software running on the

A (conceptual) entry for one piece of software running on the host Note that because the installed Row Description software table only contains information for software

stored locally on this host, not every piece of running software will be found in the installed

software table. This is true of software that was loaded and run from a non-local source, such as a network-mounted file system.

As an example of how objects in this table are named,

As an example of how objects in this table are named, an instance of the hrSWRunName object might be named hrSWRunName.1287

hrSWRunTable Indexes:

Name	Туре	Access	Description
1 hrSWRunIndex	INTEGER32 Legal values: 1 2147483647	ReadOnly	A unique value for each piece of software running on the host. Wherever possible, this should be the system's native, unique identification number.

Other hrSWRunTable Columns:

Name	Туре	Access	Description
2 hrSWRunName	OCTETSTR Legal Lengths: 0 64 InternationalDisplayString	ReadOnly	Note: this object is based on the InternationalDisplayString TEXTUAL-CONVENTION. A textual description of this running piece of software, including the manufacturer, revision, and the name by which it is commonly known. If this software was installed locally, this should be the same string as used in the corresponding hrSWInstalledName.
3 hrSWRunID	OBJECTID ProductID	ReadOnly	Note: this object is based on the ProductID TEXTUAL-CONVENTION. The product ID of this running piece of software.
4 hrSWRunPath	OCTETSTR Legal Lengths: 0 128 InternationalDisplayString	_	Note: this object is based on the InternationalDisplayString TEXTUAL-CONVENTION. A description of the location on long-term storage (e.g. a disk drive) from which this software was loaded.
5 hrSWRunParameters	OCTETSTR Legal Lengths: 0 128 InternationalDisplayString	ReadOnly	Note: this object is based on the InternationalDisplayString TEXTUAL-CONVENTION. A description of the parameters supplied to this software when it was initially loaded.

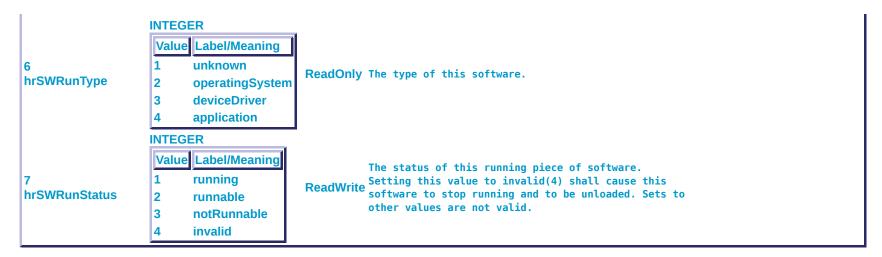
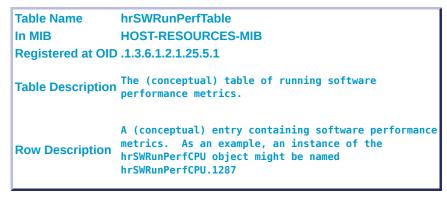
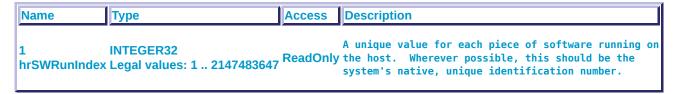


Table hrSWRunPerfTable



hrSWRunPerfTable Indexes:



Other hrSWRunPerfTable Columns:

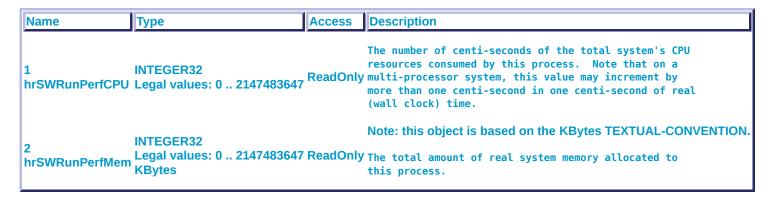


Table hrSWInstalledTable

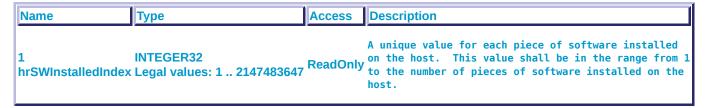
Table Name hrSWInstalledTable
In MIB HOST-RESOURCES-MIB
Registered at OID .1.3.6.1.2.1.25.6.3

Table Description The (conceptual) table of software installed on this host.

A (conceptual) entry for a piece of software installed on this host.

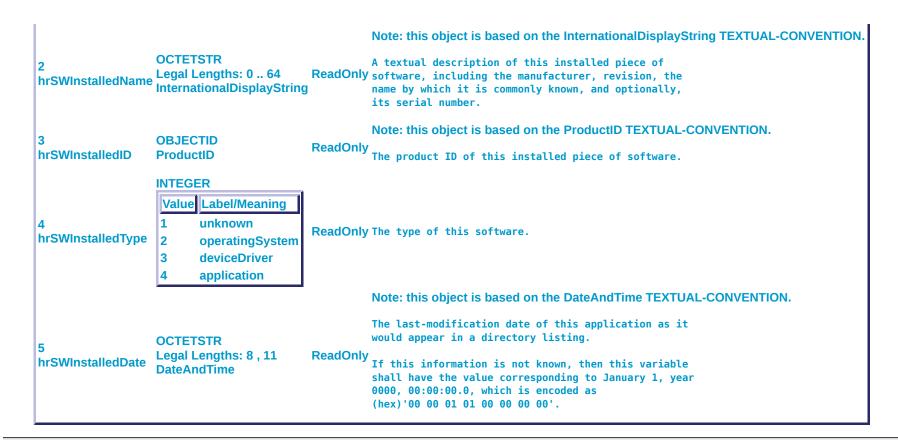
Row Description As an example of how objects in this table are named, an instance of the hrSWInstalledName object might be named hrSWInstalledName.96

hrSWInstalledTable Indexes:



Other hrSWInstalledTable Columns:

Name	Type	Access	Description
	71		· ·



DEPRECATED OR OBSOLETE OR HISTORIC OBJECTS



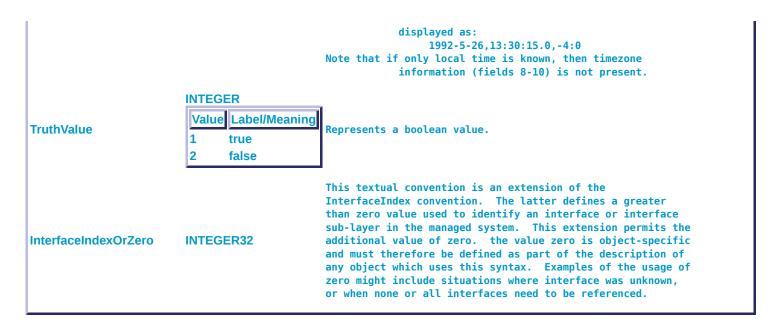
NOTIFICATIONS

TEXTUAL CONVENTIONS

These TEXTUAL-CONVENTIONS are used in other parts of the document above. They are SNMP's way of defining a datatype that is used repeatedly by other MIB objects. Any implementation implementing objects that use one of these definitions must follow its DESCRIPTION clause as well as the DESCRIPTION clause of the object itself.

Name	Туре	Description
DisplayString	OCTETSTR	Represents textual information taken from the NVT ASCII character set, as defined in pages 4, 10-11 of RFC 854. To summarize RFC 854, the NVT ASCII repertoire specifies:
AutonomousType	OBJECTID	Represents an independently extensible type identification value. It may, for example, indicate a particular sub-tree with further MIB definitions, or define a particular type of protocol or hardware.
InternationalDisplayString OCTETSTR		This data type is used to model textual information in some character set. A network management station should use a local algorithm to determine which character set is in use and how it should be displayed. Note that this character set may be encoded with more than one octet per symbol, but will most often be NVT ASCII. When a size clause is

		specified for an object of this type, the size refers to the length in octets, not the number of symbols.
ProductID	OBJECTID	This textual convention is intended to identify the manufacturer, model, and version of a specific hardware or software product. It is suggested that these OBJECT IDENTIFIERs are allocated such that all products from a particular manufacturer are registered under a subtree distinct to that manufacturer. In addition, all versions of a product should be registered under a subtree distinct to that product. With this strategy, a management station may uniquely determine the manufacturer and/or model of a product whose productID is unknown to the management station.
		Objects of this type may be useful for inventory purposes or for automatically detecting incompatibilities or version mismatches between various hardware and software components on a system. For example, the product ID for the ACME 4860 66MHz clock doubled processor might be: enterprises.acme.acmeProcessors.a4860DX2.MHz66 A software product might be registered as:
KBytes	INTEGER32	enterprises.acme.acmeOperatingSystems.acmeDOS.six(6).one(1) Storage size, expressed in units of 1024 bytes.
Regices	INTEGERSE	Storage Size, expressed in units of 1024 bytes.
		A date-time specification. field octets contents range
		1 1-2 year* 065536
		2 3 month 112
		3 4 day 131
		4 5 hour 023
		5 6 minutes 059
DateAndTime	OCTETSTR	6 7 seconds 060 (use 60 for leap-second)
		7 8 deci-seconds 09
		8 9 direction from UTC '+' / '-'
		9 10 hours from UTC* 013
		10 11 minutes from UTC 059 * Notes:
		- the value of year is in network-byte order
		- daylight saving time in New Zealand is +13
		For example, Tuesday May 26, 1992 at 1:30:15 PM EDT would be



TREE VIEW

Tree view generated by running: snmptranslate -Tp HOST-RESOURCES-MIB::host

```
+--host(25)
   +--hrSystem(1)
      +-- -R-- TimeTicks hrSystemUptime(1)
      +-- -RW- String
                          hrSystemDate(2)
                Textual Convention: DateAndTime
                Size: 8 | 11
      +-- - RW- Integer32 hrSystemInitialLoadDevice(3)
                Range: 1..2147483647
      +-- -RW- String
                        hrSystemInitialLoadParameters (4)
                Textual Convention: InternationalDisplayString
                Size: 0..128
      +-- -R-- Gauge
                          hrSystemNumUsers (5)
      +-- -R-- Gauge
                          hrSystemProcesses (6)
      +-- -R-- Integer32 hrSystemMaxProcesses(7)
                Range: 0..2147483647
   +--hrStorage(2)
```

```
+--hrStorageTypes(1)
   +-- -R-- Integer32 hrMemorySize(2)
             Textual Convention: KBytes
             Range: 0..2147483647
  +--hrStorageTable(3)
      +--hrStorageEntry(1)
         | Index: hrStorageIndex
         +-- -R-- Integer32 hrStorageIndex(1)
                   Range: 1...2147483647
         +-- -R-- ObjID
                           hrStorageType(2)
                   Textual Convention: AutonomousType
         +-- -R-- String
                              hrStorageDescr(3)
                   Textual Convention: DisplayString
                   Size: 0..255
         +-- -R-- Integer32 hrStorageAllocationUnits (4)
                   Range: 1..2147483647
         +-- - RW- Integer32 hrStorageSize(5)
                   Range: 0..2147483647
         +-- -R-- Integer32 hrStorageUsed(6)
                   Range: 0..2147483647
         +-- - R-- Counter hrStorageAllocationFailures (7)
+--hrDevice(3)
   +--hrDeviceTypes(1)
  +--hrDeviceTable(2)
     +--hrDeviceEntry(1)
         I Index: hrDeviceIndex
         +-- -R-- Integer32 hrDeviceIndex(1)
                   Range: 1..2147483647
         +-- -R-- ObjID
                              hrDeviceType(2)
                   Textual Convention: AutonomousType
                            hrDeviceDescr(3)
         +-- -R-- String
                   Textual Convention: DisplayString
                   Size: 0..64
         +-- -R-- ObjID
                              hrDeviceID(4)
                   Textual Convention: ProductID
         +-- -R-- EnumVal <a href="hrDeviceStatus">hrDeviceStatus</a>(5)
                   Values: unknown(1), running(2), warning(3), testing(4), down(5)
         +-- -R-- Counter <a href="hrDeviceErrors">hrDeviceErrors</a>(6)
```

```
+--hrProcessorTable(3)
   +--hrProcessorEntry(1)
      | Index: hrDeviceIndex
      +-- -R-- ObjID
                           hrProcessorFrwID(1)
                Textual Convention: ProductID
      +-- -R-- Integer32 hrProcessorLoad(2)
                Range: 0..100
+--hrNetworkTable(4)
  +--hrNetworkEntry(1)
      | Index: hrDeviceIndex
      +-- -R-- Integer32 hrNetworkIfIndex(1)
                Textual Convention: InterfaceIndexOrZero
                Range: 0..2147483647
+--hrPrinterTable(5)
  +--hrPrinterEntry(1)
      I Index: hrDeviceIndex
      +-- -R-- EnumVal hrPrinterStatus(1)
                Values: other(1), unknown(2), idle(3), printing(4), warmup(5)
      +-- -R-- String
                           hrPrinterDetectedErrorState (2)
+--hrDiskStorageTable(6)
  +--hrDiskStorageEntry(1)
      | Index: hrDeviceIndex
      +-- -R-- EnumVal <a href="hrDiskStorageAccess">hrDiskStorageAccess</a>(1)
                Values: readWrite(1), readOnly(2)
      +-- -R-- EnumVal hrDiskStorageMedia(2)
                Values: other(1), unknown(2), hardDisk(3), floppyDisk(4), opticalDiskROM(5), opticalDiskWORM(6), opticalDiskRW(7), ramDisk(8)
      +-- -R-- EnumVal <a href="hrDiskStorageRemoveble">hrDiskStorageRemoveble</a>(3)
                Textual Convention: TruthValue
                Values: true(1), false(2)
      +-- -R-- Integer32 hrDiskStorageCapacity(4)
                Textual Convention: KBytes
                Range: 0..2147483647
+--hrPartitionTable(7)
  +--hrPartitionEntry(1)
      | Index: hrDeviceIndex, hrPartitionIndex
```

```
+-- -R-- Integer32 hrPartitionIndex(1)
                   Range: 1..2147483647
         +-- -R-- String hrPartitionLabel(2)
                   Textual Convention: InternationalDisplayString
                   Size: 0..128
         +-- -R-- String hrPartitionID(3)
         +-- -R-- Integer32 hrPartitionSize(4)
                   Textual Convention: KBytes
                   Range: 0..2147483647
         +-- -R-- Integer32 hrPartitionFSIndex(5)
                   Range: 0..2147483647
   +--hrFSTable(8)
      +--hrFSEntry(1)
         | Index: hrFSIndex
          +-- -R-- Integer32 hrFSIndex(1)
                   Range: 1..2147483647
         +-- -R-- String <a href="hrfsmountPoint">hrFSMountPoint</a>(2)
                   Textual Convention: InternationalDisplayString
                   Size: 0..128
          +-- -R-- String <a href="hrFSRemoteMountPoint">hrFSRemoteMountPoint</a>(3)
                   Textual Convention: InternationalDisplayString
                   Size: 0..128
         +-- -R-- ObjID
                              hrFSType(4)
                   Textual Convention: AutonomousType
          +-- -R-- EnumVal hrFSAccess(5)
                   Values: readWrite(1), readOnly(2)
         +-- -R-- EnumVal <a href="hrfsBootable">hrfsBootable</a>(6)
                   Textual Convention: TruthValue
                   Values: true(1), false(2)
         +-- -R-- Integer32 hrFSStorageIndex(7)
                   Range: 0..2147483647
         +-- -RW- String hrFSLastFullBackupDate(8)
                   Textual Convention: DateAndTime
                   Size: 8 | 11
         +-- - RW- String hrFSLastPartialBackupDate(9)
                   Textual Convention: DateAndTime
                   Size: 8 | 11
   +--hrFSTypes(9)
+--hrSWRun(4)
  +-- -R-- Integer32 hrSWOSIndex(1)
             Range: 1..2147483647
```

```
+--hrSWRunTable(2)
      +--hrSWRunEntry(1)
         | Index: hrSWRunIndex
         +-- -R-- Integer32 hrSWRunindex(1)
                   Range: 1..2147483647
         +-- -R-- String hrSWRunName(2)
                   Textual Convention: InternationalDisplayString
                   Size: 0..64
         +-- -R-- ObjID
                             hrSWRunID(3)
                   Textual Convention: ProductID
         +-- -R-- String
                            hrSWRunPath (4)
                   Textual Convention: InternationalDisplayString
                   Size: 0..128
         +-- -R-- String hrSWRunParameters(5)
                   Textual Convention: InternationalDisplayString
                   Size: 0..128
         +-- -R-- EnumVal <a href="hrswRunType">hrswRunType</a>(6)
                   Values: unknown(1), operatingSystem(2), deviceDriver(3), application(4)
         +-- - RW- EnumVal <a href="hrswRunStatus">hrswRunStatus</a>(7)
                   Values: running(1), runnable(2), notRunnable(3), invalid(4)
+--hrSWRunPerf(5)
   +--hrSWRunPerfTable(1)
      +--hrSWRunPerfEntry(1)
         +-- -R-- Integer32 hrSWRunPerfCPU(1)
                   Range: 0..2147483647
         +-- -R-- Integer32 hrSWRunPerfMem(2)
                   Textual Convention: KBytes
                   Range: 0..2147483647
+--hrSWInstalled(6)
  +-- -R-- TimeTicks hrSWInstalledLastChange(1)
  +-- -R-- TimeTicks hrSWInstalledLastUpdateTime(2)
   +--hrSWInstalledTable(3)
      +--hrSWInstalledEntry(1)
         | Index: hrSWInstalledIndex
         +-- -R-- Integer32 hrSWInstalledIndex(1)
                   Range: 1..2147483647
```

```
hrSWInstalledName(2)
        +-- -R-- String
                 Textual Convention: InternationalDisplayString
                 Size: 0..64
        +-- -R-- ObjID
                           hrSWInstalledID(3)
                 Textual Convention: ProductID
        Values: unknown(1), operatingSystem(2), deviceDriver(3), application(4)
        +-- -R-- String hrSWInstalledDate(5)
                 Textual Convention: DateAndTime
                 Size: 8 | 11
+--hrMIBAdminInfo(7)
  +--hostResourcesMibModule(1)
  +--hrMIBCompliances (2)
     +--hrMIBCompliance(1)
  +--hrMIBGroups(3)
     +--hrSystemGroup(1)
     +--hrStorageGroup(2)
     +--hrDeviceGroup(3)
     +--hrSWRunGroup(4)
     +--hrSWRunPerfGroup(5)
     +--hrSWInstalledGroup(6)
```

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