Peregrine

Desktop Inventory

Data collected by the Scanners

For use with Desktop Inventory 7.0.0

PART NO: PDI-7.00-ENG-01015-00220

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Introducing this guide

This guide is for reference purposes. It contains information about the hardware and configuration data collected by the Desktop Inventory 7.0.0 Scanners.

Scanners for different platforms collect different subsets of the data.

For further information about the Scanners, refer to the Desktop Inventory User's Guide.

Data collected by the Scanners

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CHAPTER 1 Data collected by the PC Scanners

This chapter provides tables of hardware and configuration data items collected by the Desktop Inventory PC Scanners.

The following are PC Scanners:

- Win16
- Win32
- DOS
- OS/2

The items shown in the tables headings are the operating system, not the Scanner and an 'yes' means that Desktop Inventory can detect the item in this particular Operating System.

This information in this chapter, depends on the Scanner run. This matrix assumes the most appropriate Scanner is used. That is, the Win32 Scanner in Windows 9x/ME/2000/XP, the OS/2 scanner in OS/2, etc.

For specific information about what is collected by the Unix Scanners, please refer to *Data Collected by the UNIX Scanners* on page 103.

hwAssetDataInfo

This shell contains information about asset data fields. Most entries will be automatically discovered, but some entries may have been entered by a user. As such entries may require special treatment, a list of them is maintained here.

Field Name	Description
hwAssetDataId	The Id of an asset data field
hwIsUserSupplied	If the associated Id was entered manually by the user, this value is true.

hwAssetData

Information that is not automatically collected by the Scanner can be entered manually as each computer is scanned. The information collected is usually referred to as asset data, and includes details about users, departments, physical assets, equipment, and any other information that is useful to record.

Field Name	Description
hwAssetDescription	Description line that contains a brief description of the asset. This field is typically read/only and combines information from several hardware and asset fields. It is the field that is used by the Viewer.
hwAssetTag	The Asset Tag field contains a unique identifier for the machine. It is normally populated from a sequence of hardware fields such as MAC Address, Serial Number, BIOS asset tag, etc.
hwAssetEmployeeID	Employee ID as used in the organization.
hwAssetUserLastName	Last name of user
hwAssetUserFirstName	First name of user
hwAssetUserJobTitle	Job title of user
hwAssetCostCenter	Cost center description or code
hwAssetDivision	Division description or code
hwAssetDepartment	Department description or code
hwAssetSection	Section description or code
hwAssetOfficeLocation	Location of office, normally a combination of country and city

hwAssetBuilding	Identified the building containing the machine
hwAssetFloor	The floor on which the machine is located
hwAssetRoom	Description, name or number of the room containing the machine
hwAssetBarCode	For machines with bar codes on them, use this field to allow the bar code to be entered or stored
hwAssetTelephoneExtension	Internal telephone extension
hwAssetTelephoneNumber	Full direct telephone number of user
hwAssetCellphoneNumber	Cell/mobile phone number of user
hwAssetPrinterDescription	Contains a description of a local printer attached to the machine, if any
hwAssetPrinterAssetTag	Asset tag of a local printer attached to the machine, if any
hwAssetMachineMake	Make or Manufacturer of the machine. This data is automatically collected on machines supporting SMBIOS
hwAssetMachineModel	Model of the machine. This data is automatically collected on machines supporting SMBIOS
hwAssetDeviceType	Device type of the machine (Server, Notebook, Tower, etc.).
hwAssetUserField1	User-defined field
hwAssetUserField2	User-defined field
hwAssetUserField3	User-defined field
hwAssetUserField4	User-defined field
hwAssetUserField5	User-defined field
hwAssetUserField6	User-defined field
hwAssetUserField7	User-defined field
hwAssetUserField8	User-defined field
hwAssetUserField9	User-defined field
hwAssetUserField10	User-defined field
hwAssetAnalysis1 to 28	Analysis field
hwAssetAutomatic1 to 28	Automatic field

hwCPUData

The following fields describe the CPUs (Central Processing Unit) and FPUs (Floating Point Unit) that are at the heart of the system. Most modern computers have one or more CPUs. The FPU is usually built into the CPU.

Information displayed includes the CPU (model), whether it has got FPU (numeric co-processor), MMX (MultiMedia eXtensions) and ISSE/SSIMD capability and reports the speed of the CPU. For newer Intel and compatible processors, the manufacturer, model, family and stepping ID are reported.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwLegacyFPUType	Displays the type of co-processor. For example, for most modern computers the co-processor will be shown as built in.	yes	yes	yes	yes	yes
hwLegacyFPUBiosFlagSet	If the BIOS flag is set (yes) then a co-processor is present.	yes	yes	yes	yes	yes
hwLegacyWeitek	This field is True if a Weitek FPU is present in the system				yes	
hwLegacyWeitekRealMode	This field is True if a Weitek is present in the system and the processor is running in Real Mode				yes	
hwCPUCount	This shows the number of CPUs that are present in the computer. Although this field is reported in all cases, if the system has more than one processor, the actual number of CPUs is only reported in Windows NT/2000/XP. In other operating systems only one processor is reported.	yes	yes	yes	yes	yes

hwCPUs

This contains information about all CPUs in the machine; each field is repeated for every CPU the machine contains.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwCPUType	This field contains an accurate type specifier for the CPU. For example, it can be 80386, 80486, Pentium, Pentium Pro, etc.	yes	yes	yes	yes	yes
hwCPUIntelBrand	For some Intel CPUs, this field contains the brand of the CPU	yes	yes	yes	yes	yes
hwCPUDescription	This field was introduced in the Pentium 4 and is a description of the processor that is embedded inside the processor itself.	yes	yes	yes	yes	yes
hwCPUSpeedMeasured	This shows the actual speed that the CPU is running at as opposed to the CPU speed that was rated by the manufacturer.	yes	yes	yes	yes	yes
hwCPUSpeedRated	This shows the speed rating that the CPU manufacturer supplied as opposed to the actual CPU speed measured by the Scanner.	yes	yes	yes		
hwCPUVendor	The name of the CPU chip vendor.	yes	yes	yes	yes	yes
hwCPUModel	Shows the manufacturers model for the chip.	yes	yes	yes	yes	yes
hwCPUFamily	Shows which family of processors the CPU belongs to.	yes	yes	yes	yes	yes

hwCPUStepping	Shows the CPU stepping level which is Intel's terminology for revisions to the chips.	yes	yes	yes	yes	yes
hwCPUOverdrive	Shows whether the CPU is an overdrive CPU. An overdriveCPU is a processor upgrade designed to upgrade older systems with newer processors. For example, a Pentium II overdrive processor can be used to upgrade a Pentium Pro system.	yes	yes	yes	yes	yes
hwCPUDual	Shows whether the processor is the upgrade processor in a dual processor system.	yes	yes	yes	yes	yes
hwCPUSpecial	Shows any special capabilities that the CPU may have that do not fit into any of the other categories.	yes	yes	yes	yes	yes
hwCPUIntelFeatures	Shows any additional instruction capability that the CPU may have. For example, MMX (MultiMedia eXtensions).	yes	yes	yes	yes	yes
hwCPUSerialNo	The unique identifier that is put on the CPU chip by the manufacturer.	yes	yes	yes	yes	yes
hwCPUSpeed	Shows the speed of the CPU (expressed in MHz).	yes	yes	yes	yes	yes
hwCPU	This shows the name of the CPU that is present in the computer.	yes	yes	yes	yes	yes

hwCPUCacheInformation

Contains information about the cache memory on the computer. Cache memory holds recently accessed data. It is intended to speed up subsequent access to the same data. When data is read from or written to main memory a copy is also saved in the cache, along with the associated main memory address.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwCPUCacheDescription	Shows a short description of the cache memory. For example, Instruction TLB: 4K-Byte Pages, 4-way set associative, 32 entries. This means that the cache is Translation Look-aside Buffer (TLB).	yes	yes	yes	yes	yes
hwCPUCacheLevel	Indicates whether the cache is primary (L1) or secondary (L2). Primary cache is found inside or close to the CPU. Secondary cache is usually connected to the CPU via an external bus.	yes	yes	yes	yes	yes
hwCPUCacheSize	Shows the size of the cache memory (expressed in Kilobytes).	yes	yes	yes	yes	yes
hwCPUCacheTraceSize	The size of the Trace Cache (expressed in K-uops). An µOP = 'Micro-Operation/ Operand'.	yes	yes	yes	yes	yes
hwCPUCacheAssociativity	Shows the type of cache associativity implemented for the cache memory.	yes	yes	yes	yes	yes

hwCPUCacheLineSize	Shows the cache line size (expressed in bytes). Cache line size is the size of the unit of transfer in and out of the cache.	yes	yes	yes	yes	yes
hwCPUCacheEntries	Indicates the number of entries in the cache memory.	yes	yes	yes	yes	yes

hwCards

Displays information about the cards that are used in the computer.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwCardBus	Shows the type of the bus the card is designed for. For example, ISA, PCI, MCA, EISA or PCMCIA, etc.	yes	yes	yes	yes	yes
hwCardClass	Shows the class of the card. For example, whether it is a network card, display card, system card, etc.	yes	yes	yes	yes	yes
hwCardVendor	Shows the card's manufacturer name.	yes	yes	yes	yes	yes
hwCardName	Shows the full name of the card. For example, NVidia Riva TNT2 Model 64.	yes	yes	yes	yes	yes
hwCardVendorID	This is a unique ID that is used for PCI and EISA cards. Together with the Card ID it can be used to uniquely identify a particular PCI or EISA card.	yes	yes	yes	yes	yes

hwCardID	This is a unique ID that is issued by the vendor of the card. Together with the Card Vendor ID it can be used to uniquely identify a particular PCI or EISA card.	yes	yes	yes	yes	yes
hwCardRevision	Shows the card revision. Revision numbers reflect minor changes to the card's functionality, such as bug fixes or minor updates.	yes	yes	yes	yes	yes

hwBusesData

Displays information about the architecture of the bus used in the computer - ISA, EISA, PCI, MCA or PCMCIA. A bus is used to transfer data between a computer's components. Information is also displayed about cards that are supported by the various bus types.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwCardSummary	Shows the number of cards that are present in the computer.	yes	yes	yes	yes	yes

hwBusesSupported

Displays information about the architecture of the bus used in the computer - ISA, EISA, PCI, MCA or PCMCIA.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwBusName	The type of bus supported - ISA, EISA, PCI, MCA or PCMCIA.	yes	yes	yes	yes	yes
hwBusVersion	The version number of the bus.			yes	yes	yes

hwBiosData

BIOS stands for Basic Input/Output System. The system BIOS is the lowest-level software in the computer, it acting as an interface between the hardware (especially the chipset and processor) and the operating system. The BIOS is also responsible for allowing you to control your computer's hardware settings, for booting up the machine when you turn on the power or hit the reset button, and various other system functions.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwBiosSource	Shows the version of the BIOS source code.	yes	yes	yes	yes	yes
hwBiosRomDate	Contains a string with the date of the BIOS release as extracted from the System BIOS ROM.	yes	yes	yes	yes	yes

hwBiosDate	This is a date field containing the BIOS release date as extracted from the system BIOS ROM.	yes	yes	yes	yes	yes
hwBiosRevision	Shows the BIOS revision. This is a legacy field that new BIOS implementations may not use.			yes	yes	yes
hwBiosMachineId	Shows the Machine ID that identifies the particular model of the computer. This is a legacy field that new BIOS implementations may not update.			yes	yes	yes
hwSMBiosVersion	Shows the version of the SMBIOS (Systems Management BIOS) that is supported.	yes	yes	yes	yes	yes
hwSMBiosStructTableAddr	Shows the 32-bit physical address of the SMBIOS Structure Table. If this value is greater than 1MB the scanner may not always be able to collect the SMBIOS data.	yes	yes	yes	yes	yes
hwPlugAndPlayVersion	Shows the version of Plug and Play that is supported.	yes	yes	yes	yes	yes
hwBiosCompaqAssetTag	Compaq Asset Tag - extracted from Compaq BIOS	yes	yes	yes	yes	yes
hwBiosAssetTag	If supported by the BIOS implementation, provides an asset tag that uniquely identifies the computer. It may have the corresponding asset label attached to the system block.	yes	yes	yes	yes	yes
hwBiosVersion	Shows the version of the BIOS		yes			

hwACPISupported	Shows whether or not ACPI is supported. ACPI is the Advanced Computer Power Interface that allows the operating system to control the amount of power given to each device attached to the computer.	yes	yes	yes	yes	yes
hwACPIVersion	This shows the version of the ACPI supported by the BIOS.	yes	yes	yes	yes	yes

hwBiosMachineDescriptions

Contains a list of possible description strings extracted from the machine's BIOS.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwBiosMachineDescription	Provides a brief description of the computer based on the BIOS of that computer.	yes	yes	yes	yes	yes

hwBiosMachineExtensions

Contains a list of BIOS extensions installed on the machine.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwBiosExtension	The names of BIOS extension card, if any are present.	yes	yes	yes	yes	yes

hwMemoryData

Contains information about the total amount of memory installed on the computer. This includes the amount of conventional and extended memory, the amounts of memory available via the XMS, EMM and DPMI specifications and the version of the driver and specification where relevant. Information about the size and location of any swap files used for virtual memory is also displayed.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwMemConventional	The size of the conventional memory.	yes	yes	yes	yes	yes
hwMemXMSDriver	Shows the version and revision of the XMS driver if one is installed.			yes	yes	
hwMemXMS	The size of the XMS (Extended Memory Specification) memory. This is memory that is above the standard 1MB DOS main memory. It is available only in computers with Intel 80286 or later processors.			yes	yes	
hwMemEMMDriver	Shows the version of the Extended Memory Manager driver if one is installed.			yes	yes	
hwMemEMM	Shows the amount of memory that is being managed by the EMM.			yes	yes	
hwMemDPMIDriver	The version of the DPMI used. DPMI (DOS Protected Mode Interface) is an interface standard. It allows DOS applications to access the extended memory of 80286 (or later) based computers.			yes	yes	

hwMemFreeDOSMemory	The size of the largest free DOS memory block, which is available to run DOS programs.				yes	
hwMemExtended	Shows the amount in Kb of extended memory (memory above 1 MB).	yes	yes	yes	yes	yes
hwMemCMOSTotal	Shows the total amount of memory as reported in CMOS. The total memory is equal to the extended memory plus the conventional memory.	yes	yes	yes	yes	yes
hwMemCMOSConventional	Shows the amount of conventional memory as reported in CMOS.	yes	yes	yes	yes	yes
hwMemTotalMB	The amount of memory (expressed in MB) which is available.	yes	yes	yes	yes	yes

hwSwapFiles

Swap files (also known as paging files) allow a computer to run programs and load data files that are larger than the amount of physical memory. The operating system achieves this by using a portion of the disk as memory - these portions are called swap files.

Virtual memory is not supported by DOS, but is supported by most other operating systems (including Unix and OS/2).

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwMemSwapFileName	This is the location of the hidden swap file on disk. For example, C:\Pagefile.sys	yes	yes	yes		yes
hwMemSwapFileSize	This is the size of the hidden swap file.	yes	yes	yes		yes

hwOsData

Displays detailed information about the current operating environment. Information includes the operating system and service pack level, DOS version, operating system base directory, currently logged on user name and a list of all environment variables and Windows installed applications defined.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwDOSVersion	This is the version of DOS that is running on the computer. For example, if the computer is running Windows 95, version 7.0 will be reported.	yes	yes	yes	yes	yes
hwDOSLocation	This shows whether DOS is installed to the High Memory area (HMA), ROM or to Normal RAM.			yes	yes	
hwDOSOEM	This is the Original Equipment Manufacturer (OEM) that the DOS installation belongs to.	yes	yes	yes	yes	yes
hwOSHostOsCategory	This is the type of the operating system on the host machine. For example, it can be DOS, Unix, MAC OS, Microsoft Windows, etc.	yes	yes	yes	yes	yes
hwOSHostDosType	This is the type of the DOS operating system on the host machine. For example, it can be MS-DOS, PC-DOS, DR DOS, etc.			yes	yes	

hwOSHostOs2Type	This is the type of the OS/2 operating system on the host machine. For example, it can be OS/2 Warp, OS/2 Warp Server, Warp Server for e-business, etc.					yes
hwOSHostWindowsName	This is the type of the Windows operating system on the host machine. For example, it can be Windows, Windows for Workgroups, Window 95, Windows 2000, etc. It also shows any service packs if applicable.	yes	yes			
hwOSHostWin16Mode	Shows the mode that Windows 3.x is running in. For example, Enhanced Mode, Standard Mode or / 386.			Yes		
hwOSHostWindowsNTMode	Shows the type of Windows NT/2000/XP operating system the computer is running. For example, Workstation, Professional, Server, etc.		yes			
hwOSHostWindowsNTServerFlags	Indicates which type Windows NT/2000/.NET Server is being run. For example, Terminal Server, Enterprise Server, Datacenter Server, etc.		yes			
hwOSHostVersion	This shows the version number of the Host operating System.					yes
hwOSInternalVersion	This shows the version number of the Host operating System as the OS identifies itself. This number is often different from the version used to market the product.	yes	yes			

hwOSBaseDir	This shows the path to the operating system base directory. That is, where the Operating system has been installed.	yes	yes	yes	yes	yes
hwOSServiceLevel	This shows the service pack release that has been applied to the host operating system. For example, Service Pack 1.	yes	yes			yes
hwOSBuildLevel	This shows the build number of the host operating system. The build level allows you to pinpont which version and build of the software you are running.	yes	yes			
hwLocaleName	This is the locale (location) that is set on the computer. A corresponding country code is shown in the Country Code field.	yes	yes			
hwLocaleCodePage	This identifies the currently active code page on the computer.	yes	yes	yes	yes	yes
hwLocalePrimaryID	This is the identifier for the Primary Language that is used on the computer.	yes	yes			
hwLocaleSubID	If a sub identifier exists for the language then it is shown here. For example, there are many variations of English used (UK English, US English, etc.).	yes	yes			
hwLocaleCountryCode	This is the unique country identifier.	yes	yes	yes	yes	yes
hwLocaleFeatures	Indicates whether the locale is Middle East (reads from right to left) or Far East (is multibyte enabled).	yes	yes			
hwOSTimeZone	This is a Time Zone identifier identifying the currently used Time Zone.	yes	yes	yes	yes	yes

hwWebBrowser	Shows the fully qualified file name of the default Web Browser program.	yes	yes	
hwWebBrowserParameters	Shows the command line parameters that are used to run the browser. For example, the -nohome parameter.	yes	yes	
hwWebBrowserDescription	This is the name of the default Web Browser. For example, Internet Explorer.	yes	yes	
hwWebBrowserVersion	This is the version of the default Web Browser.	yes	yes	
hwMailClient	Shows the fully qualified file name of the default Mail Client program.	yes	yes	
hwMailClientParameters	Shows the command line parameters that are used to run the default Mail Client.	yes	yes	
hwMailClientDescription	This is the name of the default Mail Client program. For example, Outlook Express.	yes	yes	
hwMailClientVersion	This is the version of the default Mail Client program.	yes	yes	
hwScreenSaverProgram	Shows the fully qualified file name of the screen saver program.	yes	yes	yes
hwScreenSaverName	This is the name of the Screen Saver. For example, Mystify or Beziers.	yes	yes	
hwWallPaperName	Shows the fully qualified file name of the wallpaper that has been used to decorate the desktop.	yes	yes	yes
hwActiveShell	This shows the fully qualified file name to the active shell (desktop user interface).	yes	yes	yes

hwActiveShellDescription	This shows the name of the active shell (desktop user interface). For example, Windows Explorer, which is the user interface shell that is used by default in Windows 95 and later Windows.	yes	yes
hwActiveShellVersion	This shows the version of the active shell (desktop user interface).	yes	yes
hwOSProgramFilesDir	Shows the full path of the Program files directory.	yes	yes
hwOSCurrentUserDesktopDir	Shows the full path of the current user's Desktop directory.	yes	yes
hwOSAllUsersDesktopDir	Shows the full path of the Desktop directory shared by all users.	yes	yes
hwOSCurrentUserStartMenuDir	Shows the full path of current user's Start Menu directory.	yes	yes
hwOSAllUsersStartMenuDir	Shows the full path of the Start Menu directory shared by all users.	yes	yes
hwOSRecycleBin	Shows the full path of the Recycle Bin directory.	yes	yes
hwOSAdminTools	Shows the full path of the directory containing Administrative Tools for the current user.	yes	yes
hwOSAllUsersAdminTools	Shows the full path of the directory containing Administrative Tools shared by all users.	yes	yes
hwOSAppData	Shows the full path of the directory containing application specific data for the current user.	yes	yes

hwOSAllUsersAppData	Shows the full path of the directory containing application specific data shared by all users.	yes	yes			
hwOSDocuments	Shows the full path of current user's Documents directory.	yes	yes			
hwOSAllUsersDocuments	Shows the full path of the Documents directory shared by all users.	yes	yes			
hwOSControlPanel	Shows the full path of the Control Panel directory.	yes	yes			
hwOSCookies	Shows the full path of the directory containing browser cookies.	yes	yes			
hwOSFonts	Shows the full path of the directory containing installed fonts.	yes	yes			
hwOSMIFPath	For machines using Microsoft SMS, this is the path where SMS looks for the MIF file containing an inventory of the machine.	yes	yes			
hwOSTimeZone	This is a Time Zone identifier identifying the currently used Time Zone.	yes	yes			
hwOSDefaultUserName	In Windows, this is the name of the user the running copy of Windows is registered to. The name of the registered user is usually entered during the installation of Windows.	yes	yes			
hwOSDefaultOrganisationName	In Windows, this is the name of the organization the running copy of Windows is registered to. The name of the registered organization is usually entered during the installation of Windows.	yes	yes	yes	yes	yes

hwOSDMILayerVersion	This shows the version of the Desktop Management Interface (DMI) Layer. DMI is an Applications Programming Interface (API) which allows software to collect data about a computer's environment.	yes	yes			yes
hwHostOS	This shows the name of the host operating system.	yes	yes	yes	yes	yes

hwOSStartupApps

Contains information about applications that are started automatically when the user logs into the computer (also known as startup applications). Information includes the name and path to the startup application file and any parameters that were used to run the application.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwStartupAppsName	Shows the name and path to the application that is started automatically when the user logs in.	yes	yes			
hwStartupAppsParams	Shows the command line parameters that are used to run the startup application.	yes	yes			

hwOSInstalledApps

This shows information about the applications that were installed under the Windows operating system and have modified the Windows registry. Information includes the application name, publisher, version and product ID as well as the directory to which the application was installed.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwOSInstalledAppDescription	This is the description of the installed application.	yes	yes			
hwOSInstalledAppPublisher	This is the software publisher of the installed application.	yes	yes			
hwOSInstalledAppInstallDir	This is the directory to which the application was installed.	yes	yes			
hwOSInstalledAppVersion	This is the version identifier of the installed application.	yes	yes			
hwOSInstalledAppProductID	Shows the Product ID of the application installed.	yes	yes			
hwOSInstalledAppSize	Shows the size of the application installed in kilobytes (KB)		yes			
hwOSInstalledAppExeCount	Shows the number of times the application has been executed in the last 30 days		yes			
hwOSInstalledAppLastExecuted	The date and time the application was last executed		yes			

hwOSProgramShortcuts

This contains information about shortcuts to programs contained on the desktop, start menu, etc.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwOSShortcutPath	Path of the file containing the shortcut	yes	yes			
hwOSShortcutFilename	Filename of the file containing the shortcut	yes	yes			
hwOSShortcutLocation	Location of Shortcut	yes	yes			
hwOSShortcutBasePath	This is the first part of the path defining where a shortcut points to. It is combined with the contents of the hwOSShortcutRemainingPath to form the complete shortcut destination.	yes	yes			
hwOSShortcutRemainingPath	This is the second part of the path defining where a shortcut points to. It is combined with the contents of the hwOSShortcutBasePath to form the complete shortcut destination.	yes	yes			
hwOSShortcutWorkingDirectory	The working directory of the application. When the application starts, this is the default directory.	yes	yes			
hwOSShortcutCommandLine	Command line arguments passed to the program when it starts, if any.	yes	yes			

hwOSShortcutDescription	The description of a shortcut	yes	yes
hwOSShortcutWindowType	Window type used by the operating system when the program starts	yes	yes
hwOSShortcutVolumeType	Volume type of shortcut	yes	yes

hwOSServices

This contains information about services (typically unattended background processes) running on the machine.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwOSServiceName	The name of the service as used by the operating system		yes			
hwOSServiceDisplayName	The name of the service as displayed by the operating system		yes			
hwOSServiceType	This identifies the type of the service. Kernel drivers provide access to devices or low-level services, and file system drivers enable file system support in the OS.		yes			
hwOSServiceStatus	This describes the state of the services at scan time. A stopped service is not in use, does not consume resources and does not provide a service to the OS or user.		yes			

hwOSServiceStartup	This identifies the startup option for a service. Automatic services are started when the machine is booted, whereas Manual services must be started manually. Disabled services cannot be started.	yes
hwOSServiceFileName	The fully qualified path of the primary executable file running the service	yes
hwOSServiceDescription	A more complete description of the service.	yes
hwOSServiceUser	The user name under which the service runs.	yes

hwOSUserProfiles

This contains information about the user profile. In Windows, a user profile contains settings for the environment that is loaded when a user logs on. It includes user-specific settings. For example, network connections, printer connections, mouse settings, etc.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwOSUserProfileName	This is a unique name used to identify a user account to the operating system.	yes	yes			
hwOSUserProfileLastLogon	Shows the date that the user last logged into the system	yes	yes			
hwOSUserProfileLogons	Shows the number of times that the user logged in successfully.	yes	yes			

hwOSUserProfileHomedir	A home directory is a folder that can be accessed by the user and can contain programs and files for use by that user. A home directory can be specific to one user or can be shared by many users.	yes	yes
hwOSUserProfileType	Shows the type of permissions for the user. Permissions govern the access privileges for the user. For example, an Administrator has full access rights and control over the computer.	yes	yes

hwOSEnvironment

Contains information about the environment variables used. An environment variable is a text string which symbolizes information about the environment. For example, the computer name, a path or a file name. This symbolic name can then be used by the operating system.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwOSEnvironmentName	Specifies the name of the environment variable, for example, PATH or PROMPT.	yes	yes	yes	yes	yes
hwOSEnvironmentValue	This is the value of the environment variable. For example, the environment variable COMPUTERNAME may have the value JohnDoe (which is the computer name).	yes	yes	yes	yes	yes

hwVideoData

Provides details of the Video Display Adapter, which include the adapter type (EGA, XGA, VGA, etc.) and model/manufacturer. In Windows and OS/2, the current desktop resolution and number of colors are also displayed. If the video BIOS is VESA (Video Electronics Standards Association) compatible, the version of the VESA specification is also shown.

It also displays detailed information about the monitor.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwDisplayVesaVersion	This indicates that the BIOS is VESA (Video Electronics Standards Association) compatible and the version of the VESA is shown here.			yes	yes	yes
hwDisplayVesaOemID	This is the OEM identifier for the Video Display Adapter.			yes	yes	yes

hwDisplayGraphicsAdapters

Contains information about the Video Display Adapter which includes the adapter type (EGA, XGA, VGA, etc.) and model/manufacturer. In Windows and OS/2, the current desktop resolution and number of colors are also displayed.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwDisplayAdapterType	The type of Video Display Adapter. For example, CGA, MCGA, EGA)	yes	yes	yes	yes	yes

hwDisplayColour	Indicates whether the Video Display Adapter is capable of displaying colors or not.	yes	yes	yes	yes	yes
hwDisplayGraphicsAdapterName	The brand name of the Video Display Adapter.	yes	yes			
hwDisplayGraphicsAdapterManufacturer	The manufacturer of the Video Display Adapter.			yes		yes
hwDisplayGraphicsAdapterMemoryMB	This is the number of MB of memory on graphics card.		yes			
hwDisplayDesktopResolution	Shows the resolution (horizontal x vertical) for the desktop. The desktop is the on-screen area. The resolution represents the number of pixels (picture elements) that can be displayed on the desktop.	yes	yes	yes		yes
hwDisplayDesktopResolutionX	Shows the width of the screen in pixels (picture elements).	yes	yes	yes		yes
hwDisplayDesktopResolutionY	Shows the height of the screen in pixels (picture elements).	yes	yes	yes		yes
hwDisplayDesktopColourDepth	Shows the current color depth, which is the number of bits for each pixel. The number of colors that can be displayed is 65536.	yes	yes	yes		yes
hwDisplayDesktopColours	Shows the number of different colors that can be displayed on screen in the current video mode.	yes	yes	yes		yes

hwDisplayMonitorSupportedModes

Contains information about the horizontal and vertical resolutions and the refresh rates that the monitor can support.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwMonitorResolutionX	Displays the horizontal resolutions that the monitor can support. The resolution represents the number of pixels (picture elements) that can be displayed on the screen.	yes	yes	yes	yes	
hwMonitorResolutionY	Displays the vertical resolution that the monitor can support. The resolution represents the number of pixels (picture elements) that can be displayed on the screen.	yes	yes	yes	yes	
hwMonitorRefreshRate	Displays the refresh rate (in Hz) that the monitor can support. The refresh rate is the number of times (per second) the screen is redrawn. Higher refresh rates produce better flicker-free pictures.	yes	yes	yes	yes	

hwDisplayMonitors

Contains information about the monitor which includes the monitor name, vendor information, size, refresh rate, etc.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwMonitorName	The manufacturer name of the monitor. For example, Compaq P910.	yes	yes	yes	yes	
hwMonitorVendorCode	Shows the vendor code which is a unique identifier that is assigned to each monitor manufacturer. Combined with the Monitor Product ID, it allows you to identify a particular monitor.	yes	yes	yes	yes	
hwMonitorProductID	The Monitor Product ID is a unique identifier that is assigned by the manufacturer. Combined with the Vendor code, it allows you to identify a particular monitor.	yes	yes	yes	yes	
hwMonitorSerialNumber	This is the serial number that is found on the monitor. It is usually found on a label at the back of the monitor itself.	yes	yes	yes	yes	
hwMonitorManufactureWeek	This indicates the week in which the monitor was made. For example, 14 tells us that the monitor was made in week 14 of the year.	yes	yes	yes	yes	
hwMonitorManufactureYear	This indicates the year in which the monitor was made. For example, 2001 tells us that the monitor was made in the year 2001.	yes	yes	yes	yes	

hwMonitorSizeCmX	This indicates the horizontal length of the monitor in centimeters.	yes	yes	yes	yes
hwMonitorSizeCmY	This indicates the vertical height of the monitor in centimeters.	yes	yes	yes	yes
hwMonitorGamma	This shows the gamma transfer characteristic for the monitor. Gamma represents a numerical parameter that describes the nonlinear relationship of intensity reproduction.	yes	yes	yes	yes
hwMonitorEDIDVersion	Indicates the EDID (Extended Display Identification Data) version. EDID is a VESA standard which contains information about a monitor including vendor, serial number, factory pre-set timings.	yes	yes	yes	yes
hwMonitorEDIDRevision	Indicates a particular revision of the EDID (Extended Display Identification Data) version.	yes	yes	yes	yes
hwMonitorPixelClock	Shows the Pixel Clock speed (expressed in MHz). The Pixel Clock refers to the highest signal frequency a monitor's circuit can display.	yes	yes	yes	yes
hwMonitorMaxPixelClock	Indicates the highest pixel clock speed that the monitor can support. The Pixel Clock refers to the highest signal frequency a monitor's circuit can display.	yes	yes	yes	yes
hwMonitorMinVRefreshRate	Indicates the minimum vertical refresh rate (expressed in Hz) that the monitor can support.	yes	yes	yes	yes

hwMonitorMaxVRefreshRate	Indicates the maximum vertical refresh rate (expressed in Hz) that the monitor can support.	yes	yes	yes	yes
hwMonitorMinHRefreshRate	Indicates the minimum horizontal refresh rate (expressed in Hz) that the monitor can support.	yes	yes	yes	yes
hwMonitorMaxHRefreshRate	Indicates the maximum horizontal refresh rate (expressed in Hz) that the monitor can support.	yes	yes	yes	yes
hwMonitorVendorString	This is a string of characters that indicates the manufacturer of the monitor.	yes	yes	yes	yes
hwMonitorInterlaced	Indicates whether the monitor is using interlacing or not. In an interlaced monitor each screen refresh only redraws half of the horizontal lines - even horizontal lines on one refresh, following odd lines on the next refresh, etc. Non-interlaced monitors generally produce better picture quality than interlaced.	yes	yes	yes	yes
hwMonitorFeatures	Indicates any special features that the monitor may have. For example, DPMS (Display Power Management Signalling).	yes	yes	yes	yes

hwNetworkData

Contains information about the current network environment, including loaded network protocols and addresses, the current domain name and machine ID, current logon name, workgroup name and a list of all shared devices.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwNetworkLogonName	Displays the name that is used to logon to the network.	yes	yes	yes		yes
hwDomainName	The domain name of which the machine is part. A domain has a unique name and provides access to the centralized user accounts and group accounts maintained by the domain administrator. Each domain has its own security policies and security relationships with other domains.	yes	yes	yes		yes
hwLocalMachineID	Shows the network name of the computer.	yes	yes	yes	yes	yes
hwWorkgroupName	Shows the name of the network workgroup. If the computer is part of the domain, the domain name is shown. A workgroup is a simple grouping of computers, intended only to help users find such things as printers and shared directories within that group. Workgroups do not offer the centralized user accounts and authentification offered by domains.	yes	yes	yes		yes

hwIPXInstalled	Shows whether or not IPX/SPX is installed on the computer.	yes	yes	yes	yes	
hwIPXServerName	The name of the computer that provides shared resources on a Novell Network.			yes	yes	
hwNetBiosInstalled	Indicates whether Network Basic Input/Output system (NetBios) is installed on the computer.	yes	yes	yes	yes	yes
hwTCPIPInstalled	Indicates whether Transmission Control Protocol/Internet Protocol (TCP/IP) is installed on the computer.	yes	yes	yes		yes
hwIPAddress	Shows a list of all IP addresses configured for the system.	yes	yes	yes		
hwIPDomain	In TCP/IP networks the full domain name consists of one or more names that are separated by dots, and appended with a top-level domain extension, for example, .com or .ca.	yes	yes			
hwIPHostName	A host name is a locally assigned text name that refers to the internal LAN number of the host. A combination of domain name and host name identifies the host to the Internet.	yes	yes	yes		yes
hwIPNodeType	A node is a device that is connected to the network and is capable of communicating with other network devices.	yes	yes			

hwIPNetBiosScopeID	Shows the NetBIOS Scope ID. The Scope ID is a character string appended to the computer name. This provides extended naming service, which serves to isolate NetBIOS traffic to those computers with identical Scope IDs.	yes	yes	
hwIPRoutingEnabled	Indicates whether IP Routing is enabled or not. If routing is enabled, the system routes IP packets between the networks that it is connected to.	yes	yes	
hwIPWinsProxyEnabled	Indicates whether WINS proxy is enabled or not. WINS proxy is a computer that listens to name query broadcasts and responds for those names not on the local subnet.	yes	yes	
hwIPNetBIOSUsesDNS	Indicates whether NetBIOS uses DNS to resolve computer names that cannot be resolved by WINS, broadcast or the LMHOSTS file.	yes	yes	
hwDNS	Shows a list of IP addresses of all DNS servers configured for the system.	yes	yes	yes

hwNetworkShares

Contains information about shared network resources on the scanned computer, such as shared directories, printers, etc. A shared resource can be used remotely by other computers on the network.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwNetworkShareName	This shows the name(s) by which the shared resource is known.	yes	yes	yes		yes
hwNetworkSharePath	Shows the location (path) of the shared resource.	yes	yes	yes		yes
hwNetworkShareRemark	This shows a brief description about the shared resource if one was entered when the share was created.	yes	yes			yes
hwNetworkShareMaxUsers	Shows the number of users who can connect to the shared resource at any one time.	yes	yes			yes
hwNetworkShareType	Shows the type of the shared resource. For example, whether it is a file, directory, printer, etc.	yes	yes	yes		yes
hwNetworkShareSpecial	Shows whether the share is a Special System Network Share. Depending on the configuration of the computer, some of the special shared folders not visible.	yes	yes	yes		yes
hwNetworkSharePasswordProtected	Shows whether the network share is password protected. If Yes then the user will have to enter a password before being able to access this share.	yes	yes			yes

hwIPXAddresses

Contains a list of IPX addresses used on the machine.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwIPXAddress	Shows the IPX address which is a unique address that identifies entities on the IPX network.	yes	yes	yes	yes	

hwNetBiosAddresses

Contains a list of NetBios addresses used on the machine.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwNetBiosAddress	Shows the NetBIOS address which is a unique address that identifies entities on the NetBIOS network.	yes	yes	yes	yes	yes

hwIPDNSSuffixes

Contains a list of DNS suffixes used on the machine.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwIPDNSSuffix	Shows the DNS suffix. The DNS suffix of a computer, also known as the computer's domain name, is by default the name of the Active Directory domain that the computer has joined.	yes	yes			

hwNetworkCards

Shows information about network cards installed in the computer. A network card (also known as network adapter) provides hardware for accessing a network.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwNICDescription	Shows the make and model of the network card.	yes	yes			
hwNICType	Shows network card type. For example, it could be an Ethernet card.	yes	yes			

hwNICPhysicalAddress	Shows the physical address for the network card. A physical address is stored in the network adapter card of a computer and it is a value that is hardcoded into the adapter card by the manufacturer.	yes	yes
hwNICUsesDHCP	Shows whether or not DHCP is enabled for the network adapter. DHCP provides a mechanism for dynamically allocating IP addresses.	yes	yes
hwNICDHCPServer	Show the DHCP Server address. The DHCP server maintains centralized management of IP addresses that are used on the network.	yes	yes
hwNICPrimaryWins	Show the network adapter primary WINS Server address.	yes	yes
hwNICSecondaryWins	Show the network adapter secondary WINS Server address.	yes	yes
hwNICDNSPrimarySuffix	Shows the network adapter primary DNS suffix.	yes	yes
hwNICAutoConfigEnabled	Specifies whether auto-configuration is enabled on this adapter.		yes
hwNICAutoConfigActive	Specifies whether auto-configuration is active on this adapter.	yes	yes

hwNICIPAddresses

Contains information about the IP address and subnet mask specific to a particular network adapter.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwNICIPAddress	Shows the network IP address. Each TCP/IP host is identified by a logical IP address. This address is unique for each host that communicates by using TCP/IP.	yes	yes			yes
hwNICSubnetMask	Shows the network adapter subnet mask (displayed in dotted decimal notation). Network IDs and host IDs within an IP address are distinguished by using a subnet mask.	yes	yes			

hwNICDNSServers

Contains information specific to the network adapter DNS server. The DNS Server is a computer on the network that contains information that makes up a domains's name database.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwNICDNSServer	Shows the IP address of the Domain Name System (DNS) server configured for this adapter.	yes	yes			

hwNICGateways

Contains a list of TCP/IP gateways configured for this network card.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwNICGateway	Shows the address of the gateway used for routing TCP/IP traffic.	yes	yes			

hwKeyboardData

Shows the information about the keyboard attached.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwKeyboardFeatures	The type of keyboard attached (extended or normal). An enhanced keyboard has 12 function keys at the top as opposed to 10 function keys on the left. Most modern keyboards are of the type 'Enhanced'.	yes	yes	yes	yes	yes

hwMouseData

Information about whether a mouse is connected and mouse driver is loaded; the mouse brand and version of the driver, number of buttons and type of connection (serial, PS/2, bus, etc.).

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwMouseBrand	The brand name of the mouse.	yes	yes	yes	yes	
hwMouseType	Information about whether the connected mouse is serial, PS/2, bus, etc.	yes	yes	yes	yes	yes
hwMouseButtons	The number of buttons on the mouse.	yes	yes	yes	yes	yes
hwMouseDriverVersion	The version of the mouse driver.			yes	yes	yes
hwMouseFeatures	Indicates what mouse (if any) is connected to the computer.	yes	yes	yes	yes	yes
hwMouse	Indicates whether a mouse is connected to the computer or not.	yes	yes	yes	yes	yes

hwDiskData

This displays details of the disk drives available on the system, including physical disk, partition, volume and disk mount point information.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwBootDisk	Shows the boot drive	yes	yes	yes	yes	yes
hwSummaryMountPoints	Shows the number of mount points that were found.	yes	yes	yes	yes	yes

hwPhysicalDiskData

Displays physical disk information.

Information displayed includes the type of the drive (floppy disk, hard disk, CD ROM, network, etc.), the type of the file system (FAT, NTFS, HPFS), amount of total and free space, location of the hard drive partitions on the physical hard disk, physical drive geometry (cylinders, heads and sectors per track), etc.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwPhysicalDiskSize	The size of the drive in megabytes.	yes	yes	yes	yes	yes
hwPhysicalDiskNumber	Shows a zero-based ordinal number of the hard or floppy drive.	yes	yes	yes	yes	yes
hwPhysicalDiskCylinders	Shows the number of cylinders on a physical hard disk.	yes	yes	yes	yes	yes

hwPhysicalDiskHeads	Shows the number of heads per cylinder on a physical hard disk.	yes	yes	yes	yes	yes
hwPhysicalDiskSectors	Shows the number of disk sectors per head on a physical hard disk.	yes	yes	yes	yes	yes
hwPhysicalDiskType	Specifies the drive type, such as floppy drive or fixed drive.	yes	yes	yes	yes	yes

hwMountPoints

Displays information about mount points and volumes. A volume is a part of the physical disk that appears to the system as a separate logical disk. Mounts points allow any volume to appear to be a directory instead of a separate drive letter.

Information includes disk volume information: volume type (FAT, HPFS, NTFS, etc.), media (Floppy drive, CD ROM, network drive, etc.), device, name, label, total and free space.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwMountPointMountedTo	Shows the path to where the mount point is assigned (or mounted).	yes	yes	yes	yes	yes
hwMountPointVolumeName	Shows the name of the volume that the mount point is mounted to. The volume is said to be mounted at this location.	yes	yes	yes	yes	yes
hwMountPointVolumeDevice	Shows the name of the system device that handles this volume. For network volumes, shows the UNC name of the volume.	yes	yes	yes	yes	yes

hwMountPointVolumeLabel	Shows the volume label.	yes	yes	yes	yes	yes
hwMountPointVolumePhysicalDiskNumber	Shows the number of the physical disk.	yes	yes	yes	yes	yes
hwMountPointVolumePartitionNumber	Shows the number of the volume partition.	yes	yes	yes	yes	yes
hwMountPointVolumeType	Shows the type/file system of the volume mount point. For example, NTFS, FAT, Device Driven, Boot Manager, etc.	yes	yes	yes	yes	yes
hwMountPointVolumeMedia	Shows the media type of the disk that the volume mount point is on. For example, CD-ROM, Floppy Disk, Removable Hard Disk, etc.	yes	yes	yes	yes	yes
hwMountPointVolumeTotalSize	Shows the total size of the mount point volume (expressed in mega bytes).	yes	yes	yes	yes	yes
hwMountPointVolumeFreeSpace	Shows the amount of free space on the mount point volume (expressed in mega bytes).	yes	yes	yes	yes	yes
hwMountPointVolumeSerialNumber	Shows the serial number identifying the volume.	yes	yes	yes	yes	yes
hwPartitionPrimary	Indicates whether or not the partition is primary.	yes	yes	yes	yes	yes
hwMountPointScanned	Indicates whether or not the mount point was scanned by the Scanner.	yes	yes	yes	yes	yes
hwPartitionStartCylinder	Together with Partition Start Head and Partition Start Sector, indicates the starting position of the partition on the physical disk.	yes	yes	yes	yes	yes
hwPartitionStartHead	Together with Partition Start Cylinder and Partition Start Sector, indicates the starting position of the partition on the physical disk.	yes	yes	yes	yes	yes

hwPartitionStartSector	Together with Partition Start Cylinder and Partition Start Head, indicates the starting position of the partition on the physical disk.	yes	yes	yes	yes	yes
hwPartitionEndCylinder	Together with Partition End Head and Partition End Sector, indicates the ending position of the partition on the physical disk.	yes	yes	yes	yes	yes
hwPartitionEndHead	Together with Partition End Cylinder and Partition End Sector, indicates the ending position of the partition on the physical disk.	yes	yes	yes	yes	yes
hwPartitionEndSector	Together with Partition End Cylinder and Partition End Head, indicates the ending position of the partition on the physical disk.	yes	yes	yes	yes	yes
hwMountPointScannedFiles	Shows the number of files that were scanned in the directory where the mount point is mounted.	yes	yes	yes	yes	yes
hwMountPointScannedDirectories	Shows the number of directories that were scanned in the directory where the mount point is mounted.	yes	yes	yes	yes	yes
hwMountPointScannedArchives	Shows the number of archives that were scanned in the directory where the mount point is mounted.	yes	yes	yes	yes	yes
hwMountPointScannedFilesInArchives	Shows the number of files in archives that were scanned in the directory where the mount point is mounted.	yes	yes	yes	yes	yes

hwMountPointScannedDirsInArchives	Shows the number of directories in archives that were scanned in the directory where the mount point is mounted.	yes	yes	yes	yes	yes
hwMountPointKBScanned	Shows the total size (in megabytes) of files scanned in the directory where the mount point is mounted.	yes	yes	yes	yes	yes

hwSystemData

Displays internal information about the Scanner, the date when the scan was conducted, file statistics, etc.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwCreationMethod	Shows the Scanner type that was used to collect the data. For example the Win32 Scanner.	yes	yes	yes	yes	yes
hwScanCmdLine	Displays any Scanner command line options that were used to run the Scanner.	yes	yes	yes	yes	yes
hwScannerDescription	Provides a brief description of the Scanner that was used to collect the data.	yes	yes	yes	yes	yes
hwScannerVersion	Provides a full description of the version of the Scanner. For example, 6.10 Build 419 - indicates that this Scanner was created by version 6.10 Build 419 of the software.	yes	yes	yes	yes	yes

hwFSFVersion	Provides a full description of the version of the scan file. For example, 6.10 Revision 1 - indicates that this scan file is version 6.10 Revision 1.	yes	yes	yes	yes	yes
hwScanDate	The date that the scan was performed on.	yes	yes	yes	yes	yes
hwScannerVersionMajor	This is the major version number of the Desktop Inventory software that was used to create the Scanner. For example, in version 6.10 of the software, the major version is '6'.	yes	yes	yes	yes	yes
hwScannerVersionMinor	This is the minor version number of the Desktop Inventory software that was used to create the Scanner. For example, in version 6.10 of the software, the minor version is '10'.	yes	yes	yes	yes	yes
hwScannerBuild	This is the Desktop Inventory software build number. This is useful for indicating exactly which version of the software you used to create the Scanner.	yes	yes	yes	yes	yes
hwFSFVersionMajor	This is the major version number of the scan file. For example, in version 6.14 of the scan file, the major version is '6'. Note that scan file versions do not necessarily correspond to the versions of the Desktop Inventory software.	yes	yes	yes	yes	yes

hwFSFVersionMinor	This is the minor version number of the scan file. For example, in version 6.14 of the scan file, the minor version is '14'. Note that scan file versions do not necessarily correspond to the versions of the Desktop Inventory software.	yes	yes	yes	yes	yes
hwFSFRevision	Scan files are constantly being revised and this indicates the exact revision number of the scan file.	yes	yes	yes	yes	yes
hwMemUsage	Indicates how much memory is occupied by the hardware data.	yes	yes	yes	yes	yes
hwMetaDataVersion	Shows the version of the internal hardware metadata used to create this scan.	yes	yes	yes	yes	yes
These fields are added at analysis/recognition time for all platforms:						
hwFilesTotal	Total number of files stored in scan file	yes	yes	yes	yes	yes
hwFilesProcessed	Number of files processed against the recognition engine	yes	yes	yes	yes	yes
hwFilesRecognised	Number of files recognized by the recognition engine	yes	yes	yes	yes	yes
hwFilesUnrecognised	Number of files not recognized by the recognition engine.	yes	yes	yes	yes	yes
hwFilesRecognisedPercent	This is the recognition rate in percent, calculated as the number of recognized files divided by the total number of files processed against the recognition engine.	yes	yes	yes	yes	yes

hwPortData

Shows information about serial and parallel ports on a computer. A serial port is one which allows asynchronous transmission of data one bit at a time. Serial ports are also known as COM ports. A parallel port is one which allows the synchronous transfer of data (also known as LPT port).

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwSerialPortCount	Shows the number of serial (COM) ports detected on a computer.	yes	yes	yes	yes	yes
hwParallelPortCount	Shows the number of parallel (LPT) ports detected on a computer.	yes	yes	yes	yes	yes

hwSerialPortData

Indicates the presence of serial ports on a computer. A serial port is one which allows asynchronous transmission of data one bit at a time. Serial ports are also known as COM ports.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwSerialPortIO	Shows the I/O address for each serial port detected.	yes	yes	yes	yes	yes
hwSerialPortUART	Indicates the presence of UARTs associated with each serial port.			yes	yes	

hwParallelPortData

Indicates the presence of parallel ports on a computer. A parallel port is one which allows the synchronous transfer of data (also known as LPT port).

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwParallelPortIO	Shows the I/O address for each parallel port detected.	yes	yes	yes	yes	yes

hwSCSIHostAdapters

Contains a list of host adapters on the machine and the associated name of the SCSI Manager for the adapter.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwSCSIMgr	Shows the names of the ASPI Manager for this adapter.	yes	yes	yes	yes	
hwHostAdapter	If an ASPI (Advanced SCSI Programming Interface) driver for a SCSI adapter has been detected, then the name of the host SCSI adapter is shown here.	yes	yes			

hwSCSIDevices

Shows the name, vendor, revision and device host information for the storage devices (such as hard drives, CD-ROMs, tape drives) that have been detected.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwSCSIDeviceName	Shows the model of the storage device.	yes	yes			
hwSCSIDeviceVendor	Shows the vendor name of the storage device.	yes	yes			
hwSCSIDeviceRevision	Shows the revision of the storage device.	yes	yes			
hwSCSIDeviceHost	Shows the name of the host adapter.	yes	yes			
hwSCSIDeviceSerial	Shows the serial number of the device	yes	yes			
hwSCSIDeviceType	Shows the type of the SCSI device that has been detected.	yes	yes			

hwSCSIData

This contains information about Small Computer System Information (SCSI), Integrated Drive Electronics (IDE) and other storage devices (with proprietary interface), such as hard drives, CD-ROMs, DVD-ROMs, tape drives, etc.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwASPISupported	Indicates the presence of an ASPI (Advanced SCSI Programming Interface) driver for a SCSI adapter. If the driver is available, this field is reported as Yes.	yes	yes	yes	yes	yes

hwUSBData

This contains information about the USB (Universal Serial Bus) devices, controllers, hubs and ports. USB is an external bus which supports plug and play. It allows peripheral devices to be connected or disconnected from computers without the need to shut down or rebooting. These peripheral devices include CD-ROM drives, joysticks, speakers, cameras, etc.

A USB controller can have a single root hub connected to it. Ports are connected to the root hub. The ports can have peripheral devices or further hubs connected to them.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwUSBHubCount	This shows the number of USB hubs that are connected to the computer. A USB hub is a common connection point for USB devices.	yes	yes			
hwUSBPortCount	Shows the total number of USB ports. A USB port is a connection point on a USB hub for USB devices or further USB hubs.	yes	yes			
hwUSBDeviceCount	This shows the number of USB devices that are connected to the USB ports and hubs.	yes	yes			

hwUSBDeviceStrings

Contains a list of description strings for a USB device.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwUSBDeviceString	A description string for a USB device, extracted from the device itself.	yes	yes			

hwUSBDevices

This shows information about the types of USB devices that are connected to the computer via USB controllers, ports and hubs. Examples of USB devices are CD-ROM drives, joysticks, speakers, cameras and scanners.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwUSBDeviceType	Shows information about the class of USB device. For example, whether it is a Host Adapter, Root hub, External Hub Port, etc.	yes	yes			
hwUSBDeviceName	This shows the unique name of the USB device that is assigned by the operating system. Look at the Device Description fields for the name of the USB device.	yes	yes			
hwUSBDeviceDescription	This provides a brief description of the USB device.	yes	yes			
hwUSBDeviceIndex	Shows the index of the device. For example, for host adapters it is a zero-based index used for enumerating all host adapters. For ports, it is a 1-based index which is the port number of the port within its hub, etc.	yes	yes			
hwUSBDeviceMaxPower	Maximum power draw from the bus by this device.	yes	yes			
hwUSBDeviceVendor	The USB Vendor is derived from a unique Vendor ID assigned by the USB controlling body.	yes	yes			

hwUSBDeviceProductId	The Product ID is a unique identifier that is assigned by the product vendor. For a particular vendor, it uniquely identifies a particular USB device.	yes	yes
hwUSBDeviceAttributes	Describes features of device.	yes	yes
hwUSBDevicePath	This shows the connection path through the ports, hubs and controllers for the USB device.	yes	yes

hwPrinters

Contains data about the installed printers (printer name, port that the printer is connected to and printer drivers).

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwPrinterName	This field contains the name of the printer. If the printer is a network printer, then the network name is shown.	yes	yes	yes		yes
hwPrinterPort	This field contains the name of the port that the printer is connected to. Printers are generally connected to a parallel port (LPT port).	yes	yes	yes		yes
hwPrinterDriver	This field contains the name of the printer driver. The printer driver is system software which allows other software programs to work with the printer.	yes	yes	yes		yes

hwPrinterServer	The name of the server that controls the printer. If blank, the printer is controlled locally.	yes	yes
hwPrinterDevName	The name of the printer	yes	yes
hwPrinterDriverVersion	The version of the printer device driver	yes	yes
hwPrinterComment	This field contains the comment for the printer if specified.	yes	yes
hwPrinterLocation	This field contains the location of the printer if specified.	yes	yes
hwPrinterShareName	This field contains the name with which the printer is shared.	yes	yes
hwPrinterAvgPpm	This field contains the average number of Pages per Minute for pages that have been printed.	yes	yes
hwPrinterResolution	The printer resolution, in dots per inch.	yes	yes
hwPrinterDefault	This field is Yes for the default printer	yes	yes
hwPrinterLocal	This field is Yes for local printers, i.e. printers that are attached to the local machine.	yes	yes
hwPrinterShared	This field is Yes for printers that are shared across the network.	yes	yes
hwPrinterDuplex	This field is Yes for printers that support Duplex (dual-sided) printing.	yes	yes

hwModems

Contains data about the installed modems.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwModemName	This field contains the description of the modem, which usually incudes its make and model.	yes	yes	yes		

hwSoundCards

Contains data about the installed soundcard.

Field Name	Description	Win9x/ME	WinNT/2000/XP	Win3.x	DOS	OS/2
hwSoundCardName	This field contains the description of the soundcard, which usually includes its make and model.	yes	yes	yes		yes

SMBIOS data

hwsmbiosBIOSInformation

Contains the information about computer's BIOS.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.

hwsmbiosBIOSInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosBIOSHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosBIOSVendor	The BIOS Vendor's Name.
hwsmbiosBIOSVersion	The BIOS Version. This may contain Core and OEM version information.
hwsmbiosBIOSStartSegment	Segment location of BIOS starting address, e.g.0E800h. Note: The size of the runtime BIOS image can be computed by subtracting the Starting Address Segment from 10000h and multiplying the result by 16.
hwsmbiosBIOSDate	The BIOS release date. The date, if supplied, is in either mm/dd/yy or mm/dd/yyyy format. If the year portion of the string is two digits, the year is assumed to be 19yy.
hwsmbiosBIOSROMSizeKb	Size (n) where 64K * (n+1) is the size of the physical device containing the BIOS, in bytes
hwsmbiosCharacteristics	Defines which functions the BIOS supports. PCI, PCMCIA, Flash, etc.
hwsmbiosCharacteristics2	Defines which functions the BIOS supports. PCI, PCMCIA, Flash, etc.
hwsmbiosCharacteristics3	Defines which functions the BIOS supports. PCI, PCMCIA, Flash, etc.

hwsmbiosSystemInformation

The information in this structure defines attributes of the overall system and is intended to be associated with the Component ID group of the system's MIF.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosSystemInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.

hwsmbiosSystemHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosSystemManufacturer	The name of the system manufacturer.
hwsmbiosProductName	The name of the product
hwsmbiosSystemVersion	The version of the system.
hwsmbiosSystemSerialNumber	The serial number of the system.
hwsmbiosSystemUUID	Universal Unique ID number. If the value is all FFh, the ID is not currently present in the system, but is settable. If the value is all 00h, the ID is not present in the system.
hwsmbiosSystemWakeupType	Identifies the event that caused the system to power up.

hwsmbiosBaseBoardInformation

The information in this structure defines attributes of the system's baseboard (also known as the motherboard or planar).

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosBaseBoardInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosBaseBoardHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosBaseBoardManufacturer	The name of the baseboard manufacturer. The baseboard is also known as the motherboard or planar.
hwsmbiosBaseBoardName	The name of the baseboard. The baseboard is also known as the motherboard or planar.

hwsmbiosBaseBoardVersion	The version of the baseboard. The baseboard is also known as the motherboard or planar.
hwsmbiosBaseBoardSerialNumber	The baseboard serial number. The baseboard is also known as the motherboard or planar.

hwsmbiosSystemEnclosureorChassis

The information in this structure defines attributes of the system's mechanical enclosure(s). For example, if a system included a separate enclosure for its peripheral devices, two structures would be returned: one for the main, system enclosure and the second for the peripheral device enclosure.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosSystemEnclosureorChassis_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosChassisHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosChassisManufacturer	The chassis or system enclosure manufacturer name.
hwsmbiosChassisVersionNumber	The version of the chassis or system enclosure.
hwsmbiosAssetTagNumber	The Asset Tag Number is a unique identifier for that particular chassis or system enclosure.
hwsmbiosChassisSerialNumber	The serial number of the chassis or system enclosure.
hwsmbiosChassisOEMDefined	OEM- or BIOS vendor-specific information.

hwsmbiosProcessorInformation

The information in this structure defines the attributes of a single processor. A separate structure instance is provided for each system processor socket/slot. For example, a system with an IntelDX2 processor would have a single structure instance while a system with an IntelSX2 processor would have a structure to describe the main CPU and a second structure to describe the 80487 co-processor.

Note: One structure is provided for each processor instance in a system. For example, a system that supports up to two processors includes two Processor Information structures - even if only one processor is currently installed. Software that interprets the SMBIOS information can count the Processor Information structures to determine the maximum possible configuration of the system.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosProcessorInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosProcessorHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosProcessorSocketDesignation	String number for Reference Designation. Example string 'J202',0.
hwsmbiosProcessorManufacturer	The name of the processor manufacturer.
hwsmbiosProcessorID1	Raw processor identification data.
hwsmbiosProcessorID2	Raw processor identification data.
hwsmbiosProcessorVersion	The version of the processor.
hwsmbiosVoltageV	The specific voltages that the processor socket can accept.
hwsmbiosExternalClockMHz	External Clock Frequency, in MHz. If the value is unknown, the field is set to 0.
hwsmbiosMaxSpeedMHz	Maximum internal processor speed, as supported by the system. If the value is unknown, the field is set to 0.

hwsmbiosCurrentSpeedMHz	Current processor speed, as supported by the system. If the value is unknown, the field is set to 0.
hwsmbiosL1CacheHandle	The handle of a Cache Information structure that defines the attributes of the primary (Level 1) cache for this processor.
hwsmbiosL2CacheHandle	The handle of a Cache Information structure that defines the attributes of the secondary (Level 2) cache for this processor.
hwsmbiosL3CacheHandle	The handle of a Cache Information structure that defines the attributes of the tertiary (Level 3) cache for this processor.

hwsmbiosMemoryController

The information in this structure defines the attributes of the system's memory controller(s) and the supported attributes of any memory-modules present in the sockets controlled by this controller.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosMemoryController_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosMemoryControllerHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosMemoryControllerErrorDetectingMethod	The methods that are used by the memory controller used for error detection. For example, 8-bit Parity, 32-bit ECC, CRC.
hwsmbiosMemoryControllerErrorCorrectingCapability	The types of error correction that can the memory controller is able to perform. For example, Single Bit Error Correcting, Error Scrubbing.

hwsmbiosMemoryControllerSupportedInterleave	The type of interleaving that the memory controller supports. For example, One Way Interleave, Four Way Interleave.
hwsmbiosMemoryControllerCurrentInterleave	The type of interleaving that the memory controller is currently using.
hwsmbiosMemoryControllerMaximumMemoryModuleSize	The size of the largest memory module supported (per slot), specified as n, where 2**n is the maximum size in MB.
hwsmbiosMemoryControllerSupportedSpeeds	The speed of the memory modules supported by the system.
hwsmbiosMemoryControllerSupportedMemoryTypes	The physical characteristics of the memory modules that are supported by (and currently installed in) the system.
hwsmbiosMemoryControllerModuleVoltage	This field describes the required voltages for each of the memory module sockets controlled by this controller.
hwsmbiosMemoryControllerAssociatedMemorySlots	How many of the Memory Module Information blocks are controlled by this controller.

hwsmbiosMemoryModuleInformation

One Memory Module Information structure is included for each memory-module socket in the system. The structure describes the speed, type, size, and error status of each system memory module.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosMemoryModuleInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.

hwsmbiosMemoryModuleHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosMemoryModuleSocketDesignation	The name of the socket that the memory module is designated to. For example, J202.
hwsmbiosMemoryModuleBankConnections	Each nibble indicates a bank (RAS#) connection, 0xF means no connection. Example: If banks 1 and 3 (RAS# 1 and 3) were connected to a SIMM socket the byte for that socket would be 13h.
hwsmbiosMemoryModuleCurrentSpeed	The speed of the memory module, in ns (e.g. 70d for a 70ns module). If the speed is unknown, the field is set to 0.
hwsmbiosMemoryModuleMemoryTypes	Describes the physical characteristics of the memory modules that are supported by (and currently installed in) the system.
hwsmbiosMemoryModuleInstalledSize	The Installed Size fields identify the size of the memory module that is installed in the socket, as determined by reading and correlating the module's presence-detect information.
hwsmbiosMemoryModuleEnabledSize	The Enabled Size field identifies the amount of memory currently enabled for the system's use from the module.

hwsmbiosCacheInformation

The information in this structure defines the attributes of CPU cache device in the system. One structure is specified for each such device, whether the device is internal to or external to the CPU module. Cache modules can be associated with a processor structure in one or two ways depending on the SMBIOS version.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosCacheInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosCacheHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosSocketDesignation	The name of the socket that the cache is designated to. For example, CACHE 1.
hwsmbiosCacheLevel	Cache Level - 1 through 8.
hwsmbiosInstalledCacheSizeKb	This field is set to 0 if no cache is installed.
hwsmbiosMaximumCacheSizeKb	Maximum cache size that can be installed.
hwsmbiosSupportedSRAMType	The types of SRAM that is supported by the cache.
hwsmbiosCurrentSRAMType	The type of SRAM that is currently being used by the cache.
hwsmbiosCacheSpeedns	The cache module speed, in nanoseconds. The value is 0 if the speed is unknown.
hwsmbiosAssociativity	The associativity of the cache.

hwsmbiosPortConnectorInformation

The information in this structure defines the attributes of a system port connector, e.g. parallel, serial, keyboard, or mouse ports. The port's type and connector information are provided. One structure is present for each port provided by the system.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosPortConnectorInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosPortHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosInternalReferenceDesignator	The Internal Reference Designator, i.e. internal to the system enclosure, e.g. 'J101', 0.
hwsmbiosInternalConnectorType	Internal Connector type.
hwsmbiosExternalReferenceDesignator	The External Reference Designation external to the system enclosure, e.g. 'COM A', 0.
hwsmbiosExternalConnectorType	External Connector type.
hwsmbiosPortType	Describes the function of the port.

hwsmbiosSystemSlots

The information in this structure defines the attributes of a system slot. One structure is provided for each slot in the system.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosSystemSlots_Seq	Integer field enumerating multiple values of this kind for a single Device ID.

hwsmbiosSlotHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosSlotDesignation	The reference designation e.g. 'PCI-1',0
hwsmbiosSlotType	The type of cards that are supported in this slot. For example, ISA, MCA, ESIA.
hwsmbiosSlotDataBusWidth	The data bus widths that are supported by this slot. For example, 16-bit, 32-bit, 64-bit.
hwsmbiosCurrentUsage	Whether the slot is currently being used.
hwsmbiosSlotLength	The length of the slot.
hwsmbiosSlotID	The Slot ID field of the System Slot structure provides a mechanism to correlate the physical attributes of the slot to its logical access method (which varies based on the Slot Type field).
hwsmbiosSlotCharacteristics	Physical attributes of the slot. For example, PC Card slot supports Zoom Video.
hwsmbiosSlotCharacteristics2	Physical attributes of the slot. For example, PCI slot supports Power Management Enable (PME#) signal.

hwsmbiosOnBoardDevicesInformation

The information in this structure defines the attributes of devices that are onboard (soldered onto) a system element, usually the baseboard. In general, an entry in this table implies that the BIOS has some level of control over the enabling of the associated device for use by the system.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosOnBoardDevicesInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosDeviceHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).

hwsmbiosDeviceType	The description of devices that are onboard.
hwsmbiosDeviceEnableStatus	The status of the onboard devices. That is, whether they are enabled or disabled.

hwsmbiosOEMStrings

This structure contains free form strings defined by the OEM. Examples of this are: Part Numbers for Reference Documents for the system, contact information for the manufacturer, etc.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosOEMStrings_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosOEMHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosOEMString	The OEM String.

Table: hwsmbiosSystemConfigurationOptions

This structure contains information required to configure the base board's Jumpers and Switches. Examples of this are: 'JP2: 1-2 Cache Size is 256K, 2-3 Cache Size is 512K', 'SW1-1: Close to Disable On Board Video'

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosSystemConfigurationOptions_Seq	Integer field enumerating multiple values of this kind for a single Device ID.

hwsmbiosSysCfgHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosString	configuration Information string.

hwsmbiosInstalledLanguages

Contains a list of currently installed languages.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosInstalledLanguages_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosInstalledLanguage	The currently installed language.

hwsmbiosGroupAssociations

The Group Associations structure is provided for OEMs who want to specify the arrangement or hierarchy of certain components (including other Group Associations) within the system. For example, you can use the Group Associations structure to indicate that two CPU's share a common external cache system.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosGroupAssociations_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosGroupHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosGroupAssociationName	Description of the group name.
hwsmbiosAssociationType	Type of this member.
hwsmbiosAssociationHandle	Handle corresponding to this structure.

hwsmbiosEventLog

The presence of this structure within the SMBIOS data returned for a system indicates that the system supports an event log. An event log is a fixed-length area within a non-volatile storage element, starting with a fixed-length (and vendor-specific) header record, followed by one or more variable-length log records.

An application can implement event-log change notification by periodically reading the System Event Log structure (via its assigned handle) looking for a change in the Log Change Token. This token uniquely identifies the last time the event log was updated. When it sees the token changed, the application can retrieve the entire event log and determine the changes since the last time it read the event log.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosEventLog_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosEventLogHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosEventLogAreaLength	The length, in bytes, of the overall event log area, from the first byte of header to the last byte of data.
hwsmbiosEventLogHeaderStartOffset	Defines the starting offset (or index) within the nonvolatile storage of the event-log's header, from the Access Method Address.
hwsmbiosEventLogDataStartOffset	Defines the starting offset (or index) within the nonvolatile storage of the event-log's first data byte, from the Access Method Address.
hwsmbiosEventLogAccessMethod	Defines the Location and Method used by higher-level software to access the log area.
hwsmbiosEventLogStatus	This bit-field describes the current status of the system event-log.

hwsmbiosEventLogChangeToken	This is a unique token that is reassigned every time the event log changes. Can be used to determine if additional events have occurred since the last time the log was read.
hwsmbiosAccessMethodAddress	The address associated with the access method; the data present depends on the Access Method field value.
hwsmbiosEventLogHeaderFormat	Identifies the format of the log header area.
hwsmbiosEventLogSupportedDescriptors	Number of supported event log type descriptors that follow.
hwsmbiosEventLogDescriptorLength	Identifies the number of bytes associated with each type entry.

hwsmbiosPhysicalMemoryArray

This structure supports the population of the DMTF|Physical Memory Array group, as defined in the DMTF's MASTER.MIF.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosPhysicalMemoryArray_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosPhysicalMemoryArrayHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosMemoryArrayLocation	The physical location of the Memory Array, whether on the system board or an add-in board.
hwsmbiosPhysicalMemoryArrayUse	Identifies the function for which the array is used.

hwsmbiosMemoryErrorCorrection	The primary hardware error correction or detection method supported by this memory array.
hwsmbiosMaximumCapacityKb	The maximum memory capacity, in kilobytes, for this array.
hwsmbiosPhysicalMemoryErrorInformationHandle	The handle, or instance number, associated with any error that was previously detected for the array.
hwsmbiosNumberofMemoryDevices	The number of slots or sockets available for Memory Devices in this array. This value represents the number of Memory Device structures that comprise this Memory Array.

hwsmbiosMemoryDevice

This structure supports the population of the DMTF|Memory Device group, as defined in the DMTF's MASTER.MIF. If a system includes memory-device sockets, the SMBIOS implementation includes a Memory Device structure instance for each slot whether or not the socket is currently populated.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosMemoryDevice_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosMemoryArrayDeviceHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosMemoryArrayHandle	The handle, or instance number, associated with the Memory Array to which this device belongs.

hwsmbiosMemoryErrorInformationHandle	The handle, or instance number, associated with any error that was previously detected for the device.
hwsmbiosMemoryArrayTotalWidth	The total width, in bits, of this memory device, including any check or error-correction bits. If there are no error-correction bits, this value should be equal to Data Width.
hwsmbiosMemoryArrayDataWidth	The data width, in bits, of this memory device. A Data Width of 0 and a Total Width of 8 indicates that the device is being used solely to provide 8 error-correction bits.
hwsmbiosMemoryArraySpeedMHz	Identifies the speed of the device, in megahertz (MHz). If the value is 0, the speed is unknown. Note: n MHz = (1000 / n) nanoseconds (ns).
hwsmbiosMemoryArraySize	The size of the memory device.
hwsmbiosMemoryArrayFormFactor	The implementation form factor for this memory device.
hwsmbiosMemoryArrayDeviceLocator	Identifies when the Memory Device is one of a set of Memory Devices that must be populated with all devices of the same type and size, and the set to which this device belongs.
hwsmbiosMemoryArrayBankLocator	The string number of the string that identifies the physically labeled bank where the memory device is located, e.g. 'Bank 0' or 'A'.
hwsmbiosMemoryArrayMemoryType	The type of memory used in this device.
hwsmbiosMemoryArrayTypeDetail	Additional detail on the memory device type.

hwsmbiosMemoryErrorInformation

This structure supports the population of the DMTF|Physical Memory Array and DMTF|Memory Device groups, as defined in the DMTF's MASTER.MIF. The Last Error Update field, present in those groups, is not supplied in this structure since that field's attribute is known at the system-management application layer, not the BIOS.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosMemoryErrorInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosMemoryErrorHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosMemoryErrorType	The type of error that is associated with the current status reported for the memory array or device.
hwsmbiosMemoryErrorGranularity	Identifies the granularity, e.g. device vs. Partition, to which the error can be resolved.
hwsmbiosMemoryErrorOperation	The memory access operation that caused the error.
hwsmbiosMemoryErrorVendorSyndrome	The vendor-specific ECC syndrome or CRC data associated with the erroneous access.
hwsmbiosMemoryErrorMemoryArrayErrorAddress	The 32-bit physical address of the error based on the addressing of the bus to which the memory array is connected.

hwsmbiosMemoryErrorDeviceErrorAddress	The 32-bit physical address of the error relative to the start of the failing memory device, in bytes.
hwsmbiosMemoryErrorResolution	The range, in bytes, within which the error can be determined, when an error address is given.

hwsmbiosMemoryArrayMappedAddress

This structure supports the population of the DMTF|Memory Array Mapped Addresses group, as defined in the DMTF's MASTER.MIF

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosMemoryArrayMappedAddress_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosMemArrayMapAddressHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosStartingAddressKb	The physical address, in kilobytes, of a range of memory mapped to the specified Physical Memory Array.
hwsmbiosEndingAddressKb	The physical ending address of the last kilobyte of a range of addresses mapped to the specified Physical Memory Array.
hwsmbiosMemoryMappedArrayHandle	The handle, or instance number, associated with the Physical Memory Array to which this address range is mapped. Multiple address ranges can be mapped to a single Physical Memory Array.
hwsmbiosPartitionWidth	Identifies the number of Memory Devices that form a single row of memory for the address partition defined by this structure.

hwsmbiosMemoryDeviceMappedAddress

This structure supports the population of the DMTF|Memory Device Mapped Addresses group, as defined in the DMTF's MASTER.MIF. One structure is present for each contiguous address range described.

For example: in a 2:1 interleave, the value 1 indicates the device in the 'even' position; in a 4:1 interleave, the value 1 indicates the first of four possible positions.

For example, if a device transfers two rows each time it is read, its Interleaved Data Depth is set to 2. If that device is 2:1 interleaved and in Interleave Position 1, the rows mapped to that device are 1, 2, 5, 6, 9, 10, etc.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosMemoryDeviceMappedAddress_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosMemDeviceMapAddressHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosDeviceMappedStartingAddressKb	The physical address, in kilobytes, of a range of memory mapped to the referenced Memory Device.
hwsmbiosDeviceMappedEndingAddressKb	The physical ending address of the last kilobyte of a range of addresses mapped to the referenced Memory Device.
hwsmbiosMemoryDeviceHandle	The handle, or instance number, associated with the Memory Device structure to which this address range is mapped. Multiple address ranges can be mapped to a single Memory Device.

hwsmbiosMemoryArrayMappedAddressHandle	The handle, or instance number, associated with the Memory Array Mapped Address structure to which this device address range is mapped.
hwsmbiosPartitionRowPosition	Identifies the position of the referenced Memory Device in a row of the address partition. For example, if two 8-bit devices form a 16-bit row, this field's value will be either 1 or 2.
hwsmbiosInterleavePosition	The position of the referenced Memory Device in an interleave. The value 0 indicates non-interleaved, 1 indicates first interleave position, 2 the second, and so on.
hwsmbiosInterleavedDataDepth	The maximum number of consecutive rows from the referenced Memory Device that are accessed in a single interleaved transfer. If the device is not part of an interleave, the field contains 0.

hwsmbiosBuiltinPointingDevice

This structure supports the population of the DMTF|Pointing Device group, as defined in the DMTF Mobile Supplement to Standard Groups, v1.0 and describes the attributes of the built-in pointing device for the system - the presence of this structure does not imply that the built-in pointing device is active for the system's use.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosBuiltinPointingDevice_Seq	Integer field enumerating multiple values of this kind for a single Device ID.

hwsmbiosBuiltinPointingDeviceHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosBuiltinPointingDeviceType	Built-in Pointing Device indicator
hwsmbiosBuiltinPointingDeviceInterface	The interface type for the pointing device.
hwsmbiosBuiltinPointingDeviceButtons	The number of buttons on the pointing device.

hwsmbiosPortableBattery

This structure supports the population of the DMTF|Portable Battery group, as defined in the DMTF Mobile Supplement to Standard Groups, v1.0 and describes the attributes of the portable battery(s) for the system. The structure contains the static attributes for the group. Each structure describes a single battery pack's attributes.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosPortableBattery_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosPortableBatteryHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosPortableBatteryLocation	The location of the battery, e.g. 'n the back, on the left-hand side.'
hwsmbiosPortableBatteryManufacturer	The name of the company that manufactured the battery.
hwsmbiosPortableBatteryManufactureDate	The location of the battery, e.g. 'in the back, on the left-hand side.'

hwsmbiosPortableBatterySerialNumber	The serial number for the battery. V2.2+ implementations that use a Smart Battery will set this field to 0 (no string) to indicate that the SBDS Serial Number field contains the information.
hwsmbiosPortableBatteryDeviceName	The name of the battery device, e.g. 'DR-36'.
hwsmbiosPortableBatteryDeviceChemistry	Identifies the battery chemistry, see 3.3.23.1. V2.2+ implementations that use a Smart Battery will set this field to 02h (Unknown) to indicate that the SBDS Device Chemistry field contains the information.
hwsmbiosPortableBatteryDesignCapacity	The design capacity of the battery in mWatt-hours. If the value is unknown, the field contains 0.
hwsmbiosPortableBatteryDesignVoltage	The design voltage of the battery, in mVolts. If the value is unknown, the field contains 0.
hwsmbiosPortableBatterySBDSVersionNumber	The Smart Battery Data Specification version number supported by this battery. If the battery does not support the function, no string is supplied.
hwsmbiosPortableBatteryMaximumBatteryDataError	The maximum error (as a percentage in the range 0 to 100) in the Watt-hour data reported by the battery, indicating an upper bound on how much additional energy the battery might have.

hwsmbiosPortableBatterySBDSSerialNumber	The Smart Battery Data Specification version number supported by this battery. If the battery does not support the function, nothing is shown.
hwsmbiosPortableBatteryManufactureYear	The year when the battery was manufactured.
hwsmbiosPortableBatteryManufactureMonth	The month in which the battery was manufactured.
hwsmbiosPortableBatteryManufactureDay	The day on which the battery was manufactured.
hwsmbiosPortableBatterySBDSDeviceChemistry	Identifies the battery chemistry, e.g. 'PbAc'.
hwsmbiosPortableBatteryDesignCapacityMultiplier	The multiplication factor of the Design Capacity value and assures that the mWatt hours value does not overflow for SBDS implementations.
hwsmbiosPortableBatteryOEMspecific	Contains OEM- or BIOS vendor-specific information.

hwsmbiosSystemReset

This structure supports the population of the DMTF|System Reset group, as defined in the DMTF's MASTER.MIF and describes whether Automatic System Reset functions enabled (Status). If the system has a watchdog Timer and the timer is not reset (Timer Reset) before the Interval elapses, an automatic system reset will occur. The system will re-boot according to the Boot Option. This function may repeat until the Limit is reached, at which time the system will re-boot according to the Boot Option at Limit.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosSystemReset_Seq	Integer field enumerating multiple values of this kind for a single Device ID.

hwsmbiosSystemResetHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosSystemResetEnabled	Identifies whether the system reset is enabled by the user.
hwsmbiosSystemResetBootOption	Indicates the action to be taken following a watchdog reset.
hwsmbiosSystemResetBootOptionLimit	Identifies the system action to be taken when the Reset Limit is reached.
hwsmbiosSystemResetWatchdogTimer	Whether the system contains a watchdog timer.
hwsmbiosSystemResetCount	The number of automatic system resets since the last intentional reset.
hwsmbiosSystemResetLimit	The number of consecutive times the system reset will be attempted.
hwsmbiosSystemResetTimerInterval	The number of minutes to use for the watchdog timer. If the timer is not reset within this interval, the system reset timeout will begin.
hwsmbiosSystemResetTimeout	Identifies the number of minutes before the reboot is initiated. It is used after a system power cycle, system reset (local or remote), and automatic system reset.

hwsmbiosHardwareSecurity

This structure supports the population of the DMTF|Hardware Security group, as defined in the DMTF's MASTER.MIF and describes the system-wide hardware security settings.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosHardwareSecurity_Seq	Integer field enumerating multiple values of this kind for a single Device ID.

hwsmbiosHardwareSecurityHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosFrontPanelStatus	The Front Panel Reset Status. Can be enabled, disabled, not implemented or unknown.
hwsmbiosAdministratorPasswordStatus	The Administrator Password Status. Can be enabled, disabled, not implemented or unknown.
hwsmbiosKeyboardPasswordStatus	The Keyboard Password Status. Can be enabled, disabled, not implemented or unknown.
hwsmbiosPoweronPasswordStatus	The Power-on Password Status. Can be enabled, disabled, not implemented or unknown.

hwsmbiosSystemPowerControls

This structure supports the population of the DMTF|System Power Controls group, as defined in the DMTF's MASTER.MIF and describes the attributes for controlling the main power supply to the system. Software that interprets this structure uses the month, day, hour, minute, and second values to determine the number of seconds until the next power-on of the system. The presence of this structure implies that a timed power-on facility is available for the system.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosSystemPowerControls_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosSystemPowerHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).

hwsmbiosNextScheduledPoweronMonth	The month in which the next scheduled power-on is to occur.
hwsmbiosNextScheduledPoweronDayofmonth	The day-of-month on which the next scheduled power-on is to occur.
hwsmbiosNextScheduledPoweronHour	The day-of-month on which the next scheduled power-on is to occur.
hwsmbiosNextScheduledPoweronMinute	The minute on which the next scheduled power-on is to occur.
hwsmbiosNextScheduledPoweronSecond	The second on which the next scheduled power-on is to occur.

hwsmbiosVoltageProbe

This structure supports the population of the DMTF|Voltage Probe group, as defined in the DMTF's MASTER.MIF and describes the attributes for a voltage probe in the system. Each structure describes a single voltage probe.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosVoltageProbe_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosVoltageProbeHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosVoltageProbeDescription	Additional descriptive information about the probe or its location.
hwsmbiosVoltageProbeLocation	The probe's physical location.
hwsmbiosVoltageProbeStatus	The status of the voltage monitored by this voltage probe.
hwsmbiosVoltageProbeMaximumValue	The maximum voltage level readable by this probe, in millivolts.
hwsmbiosVoltageProbeMinimumValue	The minimum voltage level readable by this probe, in millivolts.

hwsmbiosVoltageProbeResolution	The resolution for the probe's reading, in tenths of millivolts.
hwsmbiosVoltageProbeTolerance	The tolerance for reading from this probe, in plus/minus millivolts.
hwsmbiosVoltageProbeAccuracy	The accuracy for reading from this probe, in plus/minus 1/100th of a percent.
hwsmbiosVoltageProbeOEMdefined	Contains OEM- or BIOS vendor-specific information.
hwsmbiosVoltageProbeNominalValue	The nominal value for the probe's reading in millivolts.

hwsmbiosCoolingDevice

This structure supports the population of the DMTF|Cooling Device group, as defined in the DMTF's MASTER.MIF and describes the attributes for a cooling device in the system. Each structure describes a single cooling device.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosCoolingDevice_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosCoolingDeviceHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosCoolingDeviceTemperatureProbeHandle	The handle, or instance number, of the temperature probe monitoring this cooling device.
hwsmbiosCoolingDeviceType	Identifies the cooling device type.
hwsmbiosCoolingDeviceStatus	Identifies the status of this cooling device,

hwsmbiosCoolingUnitGroup	Identifies the cooling unit group to which this cooling device is associated. Multiple cooling devices in the same cooling unit implies a redundant configuration.
hwsmbiosCoolingNominalSpeed	The nominal value for the cooling device's rotational speed, in revolutions-per-minute (rpm).
hwsmbiosCoolingDeviceOEMdefined	Contains OEM- or BIOS vendor-specific information.

hwsmbiosTemperatureProbe

This structure supports the population of the DMTF|Temperature Probe group, as defined in the DMTF's MASTER.MIF and describes the attributes for a temperature probe in the system.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs
hwsmbiosTemperatureProbe_Seq	Integer field enumerating multiple values of this kind for a single Device ID
hwsmbiosTemperatureProbeHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosTemperatureProbeDescription	Additional descriptive information about the probe or its location.
hwsmbiosTemperatureProbeLocation	Defines the probe's physical location.
hwsmbiosTemperatureProbeAccuracy	The accuracy for reading from this probe, in plus/minus 1/100th of a percent.
hwsmbiosTemperatureProbeStatus	Defines the status of the temperature monitored by this temperature probe.

hwsmbiosTemperatureProbeMaximumValue	The maximum temperature readable by this probe, in 1/10th degrees C.
hwsmbiosTemperatureProbeMinimumValue	The minimum temperature readable by this probe, in 1/10th degrees C.
hwsmbiosTemperatureProbeOEMdefined	Contains OEM- or BIOS vendor-specific information.
hwsmbiosTemperatureProbeResolution	The resolution for the probe's reading, in 1/1000th degrees C.
hwsmbiosTemperatureProbeTolerance	The tolerance for reading from this probe, in plus/minus 1/10th degrees C.
hwsmbiosTemperatureProbeNominalValue	The nominal value for the probe's reading in 1/10th degrees C.

hwsmbiosCurrentProbe

This structure supports the population of the DMTF|Electrical Current Probe group, as defined in the DMTF's MASTER.MIF and describes the attributes for an electrical current probe in the system.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosCurrentProbe_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosCurrentProbeHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosCurrentProbeDescription	Additional descriptive information about the probe or its location.
hwsmbiosCurrentProbeLocation	Defines the probe's physical location.
hwsmbiosCurrentProbeAccuracy	The accuracy for reading from this probe, in plus/minus 1/100th of a percent.

hwsmbiosCurrentProbeStatus	Defines the status of the current monitored by this current probe.
hwsmbiosCurrentProbeMaximumValue	The maximum current readable by this probe, in milliamps.
hwsmbiosCurrentProbeMinimumValue	The minimum current readable by this probe, in milliamps.
hwsmbiosCurrentProbeOEMdefined	Contains OEM- or BIOS vendor-specific information.
hwsmbiosCurrentProbeResolution	The resolution for the probe's reading, in tenths of milliamps.
hwsmbiosCurrentProbeTolerance	The tolerance for reading from this probe, in plus/minus milliamps.
hwsmbiosCurrentProbeNominalValue	The nominal value for the probe's reading in milliamps.

hwsmbiosOOBAccess

This structure supports the population of the DMTF|Out-of-Band Remote Access group, as defined in the DMTF's MASTER.MIF and describes the attributes and policy settings of a hardware facility that may be used to gain remote access to a hardware system when the operating system is not available due to power-down status, hardware failures, or boot failures.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs
hwsmbiosOOBAccess_Seq	Integer field enumerating multiple values of this kind for a single Device ID
hwsmbiosOOBAccessHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosOOBAccessManufacturer	The manufacturer of the out-of-band access facility.
hwsmbiosOOBAccessConnections	Identifies the current remote-access connections.

hwsmbiosBootInformation

The client system firmware, e.g. BIOS, communicates the System Boot Status to the client's Pre-boot Execution Environment (PXE) boot image or OS-present management application via this structure. When used in the PXE environment, for example, this code identifies the reason the PXE was initiated and can be used by boot-image software to further automate an enterprise's PXE sessions. For example, an enterprise could choose to automatically download a hardware-diagnostic image to a client whose reason code indicated either a firmware- or operating system-detected hardware failure.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs
hwsmbiosBootInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID
hwsmbiosBootInformationHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosBootInformationStatus	The Status and Additional Data fields that identify the boot status.

hwsmbios64MemoryErrorInformation

This structure supports the population of the DMTF|Physical Memory Array and DMTF|Memory Device groups, as defined in the DMTF's MASTER.MIF, when the error address is above 4G (0xFFFFFFFF). The Last Error Update field, present in those groups, is not supplied in this structure since that field's attribute is known at the system-management application layer, not the BIOS.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.

hwsmbios64MemoryErrorInformation_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbios64MemoryErrorHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbios64MemoryErrorType	The type of error that is associated with the current status reported for the memory array or device.
hwsmbios64MemoryErrorGranularity	Identifies the granularity, e.g. device vs. Partition, to which the error can be resolved.
hwsmbios64MemoryErrorOperation	The memory access operation that caused the error.
hwsmbios64MemoryErrorVendorSyndrome	The vendor-specific ECC syndrome or CRC data associated with the erroneous access.
hwsmbios64MemoryErrorMemoryArrayErrorAddressLo	The 64-bit physical address of the error based on the addressing of the bus to which the memory array is connected.
hwsmbios64MemoryErrorMemoryArrayErrorAddressHi	The 64-bit physical address of the error based on the addressing of the bus to which the memory array is connected.
hwsmbios64MemoryErrorDeviceErrorAddressLo	The 64-bit physical address of the error relative to the start of the failing memory device, in bytes.

hwsmbios64MemoryErrorDeviceErrorAddressHi	The 64-bit physical address of the error relative to the start of the failing memory device, in bytes.
hwsmbios64MemoryErrorResolution	The range, in bytes, within which the error can be determined, when an error address is given.

hwsmbiosManagementDevice

The information in this structure defines the attributes of a Management Device. A Management Device might control one or more fans or voltage, current, or temperature probes.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosManagementDevice_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosManagementDeviceHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosManagementDeviceDescription	Additional descriptive information about the device or its location.
hwsmbiosManagementDeviceType	Defines the device's type.
hwsmbiosManagementDeviceAddress	Defines the device's address.
hwsmbiosManagementDeviceAddressType	Defines the type of addressing used to access the device.

hwsmbiosManagementComponent

This structure associates a cooling device or environmental probe with structures that define the controlling hardware device and (optionally) the component's thresholds.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosManagementComponent_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosManagementComponentHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosManagementComponentDescription	The number of the string that contains additional descriptive information about the component.
hwsmbiosManagementComponentDeviceHandle	The handle, or instance number, associated with the structure.
hwsmbiosManagementComponentComponentHandle	The handle, or instance number, of the probe or cooling device that defines this component.
hwsmbiosManagementComponentThresholdHandle	The handle, or instance number, associated with the device thresholds.

hwsmbiosManagementThresholdData

The information in this structure defines threshold information for a component (probe or cooling-unit) contained within a Management Device.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosManagementThresholdData_Seq	Integer field enumerating multiple values of this kind for a single Device ID.
hwsmbiosManagementThresholdDataHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosManagementThresholdDataLowerNonCrit	The lower non-critical threshold for this component
hwsmbiosManagementThresholdDataUpperNonCrit	The upper non-critical threshold for this component
hwsmbiosManagementThresholdDataLowerCritical	The lower critical threshold for this component
hwsmbiosManagementThresholdDataUpperCritical	The upper critical threshold for this component
hwsmbiosManagementThresholdDataLowerNonRecoverable	The lower non-recoverable threshold for this component
hwsmbiosManagementThresholdDataUpperNonRecoverable	The upper non-recoverable threshold for this component

hwSMBIOS

This holds all information extracted from SMBIOS (Systems Management BIOS) as defined by the DMTF (Desktop Management Task Force).

The information is normally very complete and complements the other hardware data collected well.

Field Name	Description
Device_ID	Device ID uniquely identifying the device to which the data belongs.
hwsmbiosBIOSLangHandle	Specifies the structure's handle, a unique 16-bit number in the range 0 to 0FFFEh (for version 2.0) or 0 to 0FEFFh (for version 2.1 and later).
hwsmbiosCurrentLanguage	The language that is currently used.
hwsmbiosInstallableLanguageFlags	These flags show the currently installed language or that the language is reserved for future use.

CHAPTER 2 Data Collected by the UNIX Scanners

This chapter provides tables of hardware and configuration data items collected by the Desktop Inventory Unix Scanners.

This information in this chapter, depends on the Scanner run. This matrix assumes the most appropriate Scanner is used. That is, the Solaris Scanner in Solaris, the AIX Scanner is AIX, etc.

The following are Unix Scanners:

- Solaris
- AIX
- HP-UX
- Linux

For specific information about what is collected by the PC Scanners (Win16, Win32, DOS, OS/2), please refer to *Data collected by the PC Scanners* on page 9.

hwAssetData

Information that is not automatically collected by the Scanner can be entered manually as each computer is scanned. The information collected is usually referred to as asset data, and includes details about users, departments, physical assets, equipment, and any other information that is useful to record.

Field	Description	AIX	Solaris	Linux	HP-UX
hwAssetDescription	Description line that contains a brief description of the asset. This field is typically read/only and combines information from several hardware and asset fields. It is the field that is used by the Viewer.	Yes	Yes	Yes	Yes
hwAssetTag	The Asset Tag field contains a unique identifier for the machine. It is normally populated from a sequence of hardware fields such as MAC Address, Serial Number, Dell or Compaq Asset tag, etc.	Yes	Yes	Yes	Yes
hwAssetUserLastName	Last name of user	Yes	Yes	Yes	Yes
hwAssetUserFirstName	First name of user	Yes	Yes	Yes	Yes
hwAssetDepartment	Department description or code	Yes	Yes	Yes	Yes
hwAssetOfficeLocation	Location of office, normally a combination of country and city	Yes	Yes	Yes	Yes
hwAssetTelephoneExtension	Internal telephone extension	Yes	Yes	Yes	Yes
hwAssetUserField1- 10	User-defined field	Yes	Yes	Yes	Yes
hwAssetAutomatic1- 28	Automatic field	Yes	Yes	Yes	Yes
hwAssetDataId	The Id of an asset data field				Yes
hwIsUserSupplied	If the associated Id was entered manually by the user, this value is true.				Yes

hwCPUData

The following fields describe the CPUs (Central Processing Unit) and FPUs (Floating Point Unit) that are at the heart of the system. Most modern computers have one or more CPUs. The FPU is usually built into the CPU.

Information displayed includes the CPU (model), whether it has got FPU (numeric co-processor), MMX (MultiMedia eXtensions) and ISSE/SSIMD capability and reports the speed of the CPU. For newer Intel and compatible processors, the manufacturer, model, family and stepping ID are reported.

Field	Description	AIX	Solaris	Linux	HP-UX
hwLegacyFPUType	Displays the type of co-processor. For example, for most modern computers the co-processor will be shown as built in.			Yes	
hwCPUCount	This shows the number of CPUs that are present in the computer.		Yes	Yes	Yes

hwCPUs

This contains information about all CPUs in the machine; each field is repeated for every CPU the machine contains.

Field	Description	AIX	Solaris	Linux	HP-UX
hwCPUType	This field contains an accurate type specifier for the CPU. For example, it can be 80386, 80486, Pentium, Pentium Pro, etc.	Yes	Yes	Yes	Yes
hwCPUSpeedMeasured	This shows the actual speed that the CPU is running at as opposed to the CPU speed that was rated by the manufacturer.		Yes	Yes	
hwCPUSpeedByModel.	This shows the speed rating of the CPU typically included in this machine model.	Yes			
hwCPUSeriaNo	The unique identifier that is put on the CPU chip by the manufacturer.	Yes			
hwCPUSpeedRated	This shows the speed rating that the CPU manufacturer supplied as opposed to the actual CPU speed measured by the Scanner.		Yes		Yes
hwCPUCount	This shows the number of CPUs that are present in the computer. Although this field is reported in all cases, if the system has more than one processor, the actual number of CPUs is only reported in Windows NT/2000/XP. In other operating systems only one processor is reported.		Yes		
hwCPUIntelBrand	For some Intel CPUs, this field contains the brand of the CPU			Yes	
hwCPUVendor	The name of the CPU chip vendor.	Yes		Yes	
hwCPUModel	Shows the manufacturers model for the chip	Yes		Yes	
hwCPUFamily	Shows which family of processors the CPU belongs to.			Yes	

hwCPUStepping	Shows the CPU stepping level which is Intel's terminology for revisions to the chips.			Yes	
hwCPUSpecial	Shows any special capabilities that the CPU may have that do not fit into any of the other categories.	Yes			
hwCPUIntelFeatures	Shows any additional instruction capability that the CPU may have. For example, MMX (MultiMedia eXtensions).			Yes	
hwCPUSpeed	Shows the speed of the CPU (expressed in MHz).	Yes	Yes	Yes	Yes
hwCPU	This shows the name of the CPU that is present in the computer.	Yes	Yes	Yes	Yes
hwCPUBoard	The board number on which the CPU is mounted		Yes		
hwCPUPortId	The port ID for the CPU (Solaris Only)		Yes		
hwCPUMask	The CPU Mask for the CPU (Solaris Only)		Yes		

hwCPUCacheInformation

Contains information about the cache memory on the computer. Cache memory holds recently accessed data. It is intended to speed up subsequent access to the same data. When data is read from or written to main memory a copy is also saved in the cache, along with the associated main memory address.

Field	Description	AIX	Solaris	Linux	HP-UX
hwCPUCacheDescription	Shows a short description of the cache memory. For example, Instruction TLB: 4K-Byte Pages, 4-way set associative, 32 entries. This means that the cache is Translation Look-aside Buffer (TLB).			Yes	

hwCPUCacheLevel	Indicates whether the cache is primary (L1) or secondary (L2). Primary cache is found inside or close to the CPU. Secondary cache is usually connected to the CPU via an external bus.	Yes	Yes
hwCPUCacheSize	Shows the size of the cache memory (expressed in Kilobytes).	Yes	Yes
hwCPUCacheAssociativity	Shows the type of cache associativity implemented for the cache memory. Cache associativity is a measure of how many locations an item can be stored in or how many lines are in a set or row of the cache.	Yes	Yes
hwCPUCacheLineSize	Shows the cache line size (expressed in bytes). Cache line size is the size of the unit of transfer in and out of the cache.	Yes	Yes
hwCPUCacheEntries	Indicates the number of entries in the cache memory.	Yes	Yes

hwBusesSupported

Displays information about the architecture of the bus used in the computer - ISA, EISA, PCI, MCA or PCMCIA.

Field	Description	AIX	Solaris	Linux	HP-UX
hwBusName	The type of bus supported - ISA, EISA, PCI, MCA or PCMCIA.	Yes	Yes	Yes	

hwCards

Displays information about the cards that are used in the computer.

Field	Description	AIX	Solaris	Linux	HP-UX
hwCardBus	Shows the type of the bus the card is designed for. For example, ISA, PCI, MCA, EISA or PCMCIA, etc.	Yes	Yes	Yes	Yes

hwCardClass	Shows the class of the card. For example, whether it is a network card, display card, system card, etc.	Yes	Yes	Yes	Yes
hwCardVendor	Shows the card's manufacturer name.	Yes	Yes	Yes	
hwCardName	Shows the full name of the card. For example, NVidia Riva TNT2 Model 64.	Yes	Yes	Yes	
hwCardVendorID	This is a unique ID that is used for PCI and EISA cards. Together with the Card ID it can be used to uniquely identify a particular PCI or EISA card.	Yes	Yes	Yes	Yes
hwCardID	This is a unique ID that is issued by the vendor of the card. Together with the Card Vendor ID it can be used to uniquely identify a particular PCI or EISA card.		Yes	Yes	Yes
hwCardRevision	Shows the card revision. Revision numbers reflect minor changes to the card's functionality, such as bug fixes or minor updates.		Yes	Yes	
hwCardConfig	Shows the configuration of the PCI card			Yes	
hwCardStatus	Shows the Status flags of the PCI card			Yes	
hwCardSpeedMHz	The speed of the card in MHz		Yes		

hwBiosData

BIOS stands for Basic Input/Output System. The system BIOS is the lowest-level software in the computer, it acting as an interface between the hardware (especially the chipset and processor) and the operating system. The BIOS is also responsible for allowing you to control your computer's hardware settings, for booting up the machine when you turn on the power or hit the reset button, and various other system functions.

Field	Description	AIX	Solaris	Linux	HP-UX
hwBiosSource	Shows the version of the BIOS source code.	Yes	Yes		Yes

hwBiosMachineId	Shows the Machine ID that identifies the particular model of the computer. This is a legacy field that new BIOS implementations may not update.	Yes			Yes
hwBiosSerialNumber	The system serial number		Yes		
hwBiosArchitecture	Shows the machine architecture, such as sun4u, SP2, etc.	Yes	Yes		Yes
hwBiosBootPromVersion	Shows the version of the Boot PROM		Yes		
hwBiosMachineModel	The machine model identifier	Yes	Yes		Yes
hwBiosManufacturer	Shows the machine architecture, such as sun4u, SP2, etc.	Yes	Yes		Yes

hwBusData

Displays information about the architecture of the bus used in the computer - ISA, EISA, PCI, MCA or PCMCIA. A bus is used to transfer data between a computer's components. Information is also displayed about cards that are supported by the various bus types.

Field	Description	AIX	Solaris	Linux	HP-UX
hwSystemClockMHz	The system clock speed in MHz.		Yes		
hwCardSummary	Shows the number of cards that are present in the computer.	Yes	Yes	Yes	Yes

hwMemoryData

Contains information about the total amount of memory installed on the computer. This includes the amount of conventional and extended memory, the amounts of memory available via the XMS, EMM and DPMI specifications and the version of the driver and specification where relevant. Information about the size and location of any swap files used for virtual memory is also displayed.

Field	Description	AIX	Solaris	Linux	HP-UX
hwMemTotalMB	The amount of memory (expressed in MB) which is available.	Yes	Yes	Yes	Yes

hwSwapFiles

Swap files (also known as paging files) allow a computer to run programs and load data files that are larger than the amount of physical memory. The operating system achieves this by using a portion of the disk as memory - these portions are called swap files.

Field	Description	AIX	Solaris	Linux	HP-UX
hwMemSwapFileName	This is the location of the hidden swap file on disk.		Yes		
hwMemSwapFileSize	This is the size of the hidden swap file.	Yes	Yes		

hwMemoryConfig

Contains information about the configuration of memory slots in the machine. Used for UNIX machines only.

Field	Description	AIX	Solaris	Linux	HP-UX
hwMemoryLogicalBankSizeMb	Logical size of the bank of memory in MB.		Yes		
hwMemoryLogicalBankNum	Logical bank number of the memory		Yes		
hwMemoryDIMMSizeMB	Size of physical memory modules (DIMMs) in the bank.		Yes		
hwMemoryInterLeaveSegment	Memory interleave segment		Yes		
hwMemoryBank	The name of the memory bank		Yes		
hwMemoryInterleaveFactor	Memory interleave factor		Yes		
hwMemoryPortId	Memory port id		Yes		

hwOsData

Displays detailed information about the current operating environment. Information includes the operating system and service pack level, DOS version, operating system base directory, currently logged on user name and a list of all environment variables and Windows installed applications defined.

Field	Description	AIX	Solaris	Linux	HP-UX
hwSCChildMax	Max processes allowed to a UID	Yes	Yes Sys		
hwSCAIOLisIOMax	Integer value indicating max number of I/O operations in a list I/O call supported	Yes			
hwSCAIOMax	Integer value indicating max number of asynchronous I/O operations supported	Yes	Yes		
hwSCArgMax	Integer value indicating max size of argv[] plus envp[]	Yes	Yes		
hwSCBcBaseMax	Max obase values allowed by the bc utility	Yes	Yes		
hwSCBcDimMAx	Max number of elements permitted in array by bc	Yes	Yes		
hwSCBcScaleMax	Max scale value allowed by bc	Yes	Yes		
hwSCBcStringMax	Max length of string constant allowed by bc	Yes	Yes		
hwSCCollWeightsMax	Max number of weights that can be assigned to entry of the LC_COLLATE order keyword in locale definition file	Yes	Yes		
hwSCDelayTimerMax	Max number of timer expiration overruns	Yes	Yes		
hwSCExprNestMax	Max number of expressions that can be listed within parentheses by the expr utility	Yes	Yes		
hwSCLineMax	Max length of input line	Yes	Yes		
hwLoginNameMax	Max length of login name	Yes	Yes		

Field	Description	AIX	Solaris	Linux	HP-UX
hwSCMqOpenMax	Max number of open message queues a process may hold	Yes	Yes		
hwSCMqPrioMax	Max number of message priorities supported	Yes	Yes		
hwSCNGroupsMax	Max simultaneous groups to which one may belong	Yes	Yes		
hwSCOpenMax	Max open files per process	Yes	Yes		
hwSCPageSize	System memory page size	Yes	Yes		
hwSCReDupMax	Max number of repeated	Yes	Yes		
hwSCRTSigMax	Max number of realtime signals reserved for application use	Yes	Yes		
hwSCSemNSemsMax	Max number of semaphores that a process may have.	Yes	Yes		
hwSCSemValueMax	Max value a semaphore may have.	Yes	Yes		
hwSCSigQueueMax	Max number of queued signals a process may send and have pending at receiver(s) at a time.	Yes	Yes		
hwSCStreamMax	Number of streams one processed can have open at a time	Yes	Yes		
hwSCTimerMax	Max number of timers per process	Yes	Yes		
hwSCTZNameMax	Max number of bytes supported for name of a time zone	Yes	Yes		
hwSCXopenVersion	Integer value indicating version of X/Open Portability Guide to which implementation conforms	Yes	Yes		
hwSCXOpenXcuVer	Integer value indicating version of XCU specification to which implementation conforms.	Yes	Yes		
hwSCGetPwRSizeMax	Max size of password entry buffer	Yes	Yes		
hwSCAtExitMax	Integer value indicating max number of functions that may be registered with atexit()	Yes			
hwSCNProcessesConf	Number of processors configured	Yes	Yes		
hwSCNProcessorsOnln	Number of processors online	Yes	Yes		

Field	Description	AIX	Solaris	Linux	HP-UX
hwSCThreadKeysMax	Max number of data keys per process	Yes	Yes		
hwSCThreadDestruct	Number attempts made to destroy thread-specific data on thread exit	Yes	Yes		
hwSCThreadStackMin	Min byte size of thread stack storage	Yes	Yes		
hwSCThreadStackMax	Max byte size of thread stack storage	Yes	Yes		
hwSCTtyNameMax	Max length of tty device name	Yes	Yes		
hwSC2CBind	Shows whether C language binding is supported.	Yes	Yes		
hwSC2CDev	Shows whether C language development is supported.	Yes	Yes		
hwSC2FortDev	Shows whether FORTRAN development utilities option is supported.	Yes	Yes		
hwSC2FortRun	Shows whether FORTRAN run-time utilities option is supported	Yes	Yes		
hwSC2Localedef	Shows whether creation of locales by the localedef utility is supported.	Yes	Yes		
hwSC2SwDev	Shows whether software development is supported	Yes	Yes		
hwSC2Upe	Shows whether User Portability Utilities option is supported	Yes	Yes		
hwSCAsynchronousIO	Shows whether Asynchronous I/O is supported.	Yes	Yes		
hwSCJobControl	Shows whether job control is supported.	Yes	Yes		
hwSCMemLock	Shows whether process memory locking is supported.	Yes	Yes		
hwSCMemLockRange	Shows whether range memory locking is supported.	Yes	Yes		
hwSCMemProtection	Shows whether memory protection is supported.	Yes	Yes		
hwSCMessagePassing	Shows whether message passing is supported.	Yes	Yes		
hwSCPrioritySchedul	Shows whether process scheduling is supported.	Yes	Yes		

Field	Description	AIX	Solaris	Linux	HP-UX
hwSCRealtimeSignals	Shows whether realtime signals is supported.	Yes	Yes		
hwSCSemaphores	Shows whether Semaphores is supported.	Yes	Yes		
hwSCSharedMemObj	Shows whether shared memory objects is supported.	Yes	Yes		
hwSCSynchronizedIO	Shows whether synchronized I/O is supported.	Yes	Yes		
hwSCThrAttrStackAddr	Shows whether thread stack address attribute option is supported.	Yes	Yes		
hwSCThrPrioSchedul	Shows whether thread execution scheduling option is supported.	Yes	Yes		
hwSCThrProcShared	Shows whether process-shared synchronization option is supported.	Yes	Yes		
hwSCThreads	Shows whether Threads option is supported.	Yes	Yes		
hwSCXOpenCrypt	Shows whether X/Open encryption feature group is supported.	Yes	Yes		
hwSCXOpenLegacy	Shows whether X/Open legacy feature group is supported.	Yes			
hwSCXOpenRealtime	Shows whether X/Open POSIX realtime feature group is supported.	Yes			
hwSCXOpenRtThreads	Shows whether X/Open POSIX realtime threads feature group is supported.	Yes			
hwSCXOpenShm	Shows whether X/Open Shared Memory feature group is supported.	Yes	Yes		
hwSCXOpenEnhI18n	Shows whether X/Open enhanced internationalization feature group is supported.	Yes	Yes		
hwSCXbs5Ilp32Off32	Shows whether X/Open ILP32 w/32-bit offset build environment is supported.	Yes			
hwSCXbs5Ilp32OffBig	Shows whether X/Open ILP32 w/64-bit offset build environment is supported.	Yes			
hwSCXbs5Ilp32Off64	Shows whether X/Open LP64 64-bit offset build environment is supported.	Yes			

Field	Description	AIX	Solaris	Linux	HP-UX
hwSCFSync	Shows whether synchronization file is supported.	Yes	Yes		
hwSCMappedFiles	Shows whether memory mapped files is supported.	Yes	Yes		
hwSCPrioritizedIO	Shows whether Prioritized I/O is supported.	Yes	Yes		
hwSCThrAttrStackSize	Shows whether thread stack size attribute option is supported.	Yes	Yes		
hwSCFileSystemDrivers	Indicates the existing file system drivers.		Yes sys		
hwSCDrivers	Indicates the existing local drivers. For example, CD drives, tape drives, etc.		Yes sys		
hwSCLocaleIPCFeatures	Local Inter Process Communication (IPC) features.		Yes sys		
hwSCNFSFeatures	Local Network File System features		Yes sys		
hwSCNBSDMax	Max number of BSD (BerkeleySoftware Distribution) pty's. Pty's are pseudo terminal identifiers. When the system is started up, there are only so many pty's that are available.		Yes sys		
hwSCNProcessesMax	Max number of concurrent processes allowed in the system		Yes sys		
hwSCNUsersMax	Max number of users the system can support at any one time		Yes sys		
hwSCQuotasTableSize	Size of the Quota table. A quota is the resource limit assigned to a user.This quota cannot be exceeded.		Yes sys		
hwSCInodeTableSize	Size of the Inode table. An inode contains all the information about a file except its name. An inode is created for every 2k of storage available in the file system.		Yes sys		

Field	Description	AIX	Solaris	Linux	HP-UX
hwSCDNLookupCacheSize	Size of the directory name lookup cache. This cache stores the directory lookup information for files whose paths are sufficiently short (30 characters or less).		Yes sys		
hwSCCalloutTableSize	Size of the Callout. A "callout" is a visual device for associating annotations with an image, program listing, or similar figure.		Yes sys		
hwSCGPrioMax	Max of the global priority in system class. Each user has a priority. This integer represents the maximum priority that they can have.		Yes sys		
hwSCNSPushesMax	Max number of stream pushes allowed.		Yes sys		
hwSC2CharTerm	Shows whether at least one terminal is supported.		Yes		
hwSC2SwDev	Shows whether software development is supported	Yes	Yes		
hwSCThrSafeFunc	Shows whether thread-safe functions option is supported.		Yes		
hwSCAIOPrioDelta	Integer value indicating max amount by which a process can decrease its asynchronous I/O priority level from its own scheduling priority		Yes		
hwSCPhysPages	Total number of pages of physical memory in system		Yes		
hwHostOS	This shows the name of the host operating system.	Yes	Yes	Yes	Yes
hwPlatform	This shows the specific model of the hardware platform, for example, SUNW,Sun_4_75, SUNW,SPARCsystem-600, or i86pc.	Yes	Yes		
hwOSBaseDir	This shows the path to the operating system base directory. That is, where the Operating system has been installed.			Yes	

Field	Description	AIX	Solaris	Linux	HP-UX
hwOSHostOsCategory	This is the type of the operating system on the host machine. For example, it can be DOS, Unix, MAC OS, Microsoft Windows, etc.	Yes	Yes	Yes	Yes
hwOSServiceLevel	This shows the service pack release that has been applied to the host operating system. For example, Service Pack 1.		Yes		Yes
hwOSHostUnixType	This is the type of the Unix operating system on the host machine. For example, it can be Solaris, Linux, HP/UX, etc.	Yes	Yes	Yes	Yes
hwOSHostVersion	This shows the version number of the Host operating System.	Yes	Yes	Yes	Yes
hwLocaleCodePage	This identifies the currently active code page on the computer.			Yes	
hwPOSIXLocale	The POSIX locale of the system, if available.	Yes	Yes	Yes	
hwPlatform	This shows the specific model of the hardware platform, for example, SUNW,Sun_4_75, SUNW,SPARCsystem-600, or i86pc.	Yes	Yes	Yes	
hwOSTimeZone	This is a Time Zone identifier identifying the currently used Time Zone	Yes	Yes	Yes	Yes

hwOSUserProfiles

This contains information about the user profile. In Windows, a user profile contains settings for the environment that is loaded when a user logs on. It includes user-specific settings. For example, network connections, printer connections, mouse settings, etc.

Field	Description	AIX	Solaris	Linux	HP-UX
hwOSUserProfileName	This is a unique name used to identify a user account to the operating system.	Yes	Yes		

hwOSEnvironment

Contains information about the environment variables used. An environment variable is a text string which symbolizes information about the environment. For example, the computer name, a path or a file name. This symbolic name can then be used by the operating system.

Field	Description	AIX	Solaris	Linux	HP-UX
hwOSEnvironmentName	Specifies the name of the environment variable, for example, PATH or PROMPT.	Yes	Yes	Yes	Yes
hwOSEnvironmentValue	This is the value of the environment variable. For example, the environment variable COMPUTERNAME may have the value JohnDoe (which is the computer name).	Yes	Yes	Yes	Yes

hwOSInstalledApps

This shows information about the applications that were installed. Information includes the application name, publisher, version and description.

Field	Description	AIX	Solaris	Linux	HP-UX
hwOSInstalledAppPublisher	This is the software publisher of the installed application.		Yes		
hwOSInstalledAppVersion	This is the version identifier of the installed application.	Yes	Yes		
hwOSInstalledAppName	This is the name of the installed application.	Yes	Yes		
hwOSInstalledAppDescription	This is the description of the installed application.	Yes	Yes		

hwDisplayGraphicsAdapters

Contains information about the Video Display Adapter which includes the adapter type (EGA, XGA, VGA, etc.) and model/manufacturer. In Windows and OS/2, the current desktop resolution and number of colors are also displayed.

Field	Description	AIX	Solaris	Linux	HP-UX
hwDisplayAdapterType	The type of Video Display Adapter. For example, CGA, MCGA, EGA, VGA, etc.)	Yes	Yes		
hwDisplayGraphicsAdapterName	The brand name of the Video Display Adapter.	Yes	Yes	Yes	
hwDisplayDesktopResolutionX	Shows the width of the screen in pixels (picture elements).	Yes	Yes		
hwDisplayDesktopResolutionY	Shows the height of the screen in pixels (picture elements).	Yes	Yes		
hwDisplayDesktopColourDepth	Shows the current color depth, which is the number of bits for each pixel. The number of colors that can be displayed is 65536.	Yes	Yes		
hwDisplayDesktopResolution	Shows the resolution (horizontal x vertical) for the desktop. The desktop is the on-screen area. The resolution represents the number of pixels (picture elements) that can be displayed on the desktop.	Yes	Yes		
hwDisplayGraphicsAdapterMemoryMB	This is the number of MB of memory on graphics card.		Yes		

hwDisplayMonitors

Contains information about the monitor which includes the monitor name, vendor information, size, refresh rate, etc.

Field	Description	AIX	Solaris	Linux	HP-UX

hwMonitorMinVRefreshRate	Indicates the minimum vertical refresh rate (expressed in Hz) that the monitor can support.		Yes
hwMonitorMaxVRefreshRate	Indicates the maximum vertical refresh rate (expressed in Hz) that the monitor can support.		Yes

hwNetworkData

Contains information about the current network environment, including loaded network protocols and addresses, the current domain name and machine ID, current logon name, workgroup name and a list of all shared devices.

Field	Description	AIX	Solaris	Linux	HP-UX
hwNetworkLogonName	Displays the name that is used to logon to the network.	Yes	Yes	Yes	Yes
hwDomainName	The domain name of which the machine is part. A domain has a unique name and provides access to the centralized user accounts and group accounts maintained by the domain administrator. Each domain has its own security policies and security relationships with other domains.	Yes	Yes	Yes	Yes
hwLocalMachineID	Shows the network name of the computer.	Yes	Yes	Yes	Yes
hwIPXInstalled	Shows whether or not IPX/SPX is installed on the computer. IPX/SPX is a transport protocol used in Novell Netware networks, which together correspond to the combination of TCP and IP in the TCP/IP protocol.	Yes		Yes	
hwTCPIPInstalled	Indicates whether Transmission Control Protocol/Internet Protocol (TCP/IP) is installed on the computer.	Yes	Yes	Yes	Yes
hwIPAddress	Shows a list of all IP addresses configured for the system.	Yes	Yes	Yes	Yes

hwIPHostName	A host name is a locally assigned text name that refers to the internal LAN number of the host. A combination of domain name and host name identifies the host to the Internet.	Yes	Yes	Yes	Yes
hwIPRoutingEnabled	Indicates whether IP Routing is enabled or not. If routing is enabled, the system routes IP packets between the networks that it is connected to.			Yes	
hwNetworkResolutionPriority	Shows the network resolution priority			Yes	
hwNetworkNISDomain	The NIS/NIS+ domain name of the system.			Yes	
hwIPDomain	In TCP/IP networks the full domain name consists of one or more names that are separated by dots, and appended with a top-level domain extension, for example, .com or .ca.	Yes	Yes		Yes

hwNetworkCards

Shows information about network cards installed in the computer. A network card (also known as network adapter) provides hardware for accessing a network.

Field	Description	AIX	Solaris	Linux	HP-UX
hwNICDescription	Shows the make and model of the network card.	Yes	Yes	Yes	Yes
hwNICType	Shows network card type. For example, it could be an Ethernet card.	Yes	Yes	Yes	Yes
hwNICPhysicalAddress	Shows the physical address for the network card. A physical address is stored in the network adapter card of a computer and it is a value that is hardcoded into the adapter card by the manufacturer.	Yes	Yes	Yes	Yes
hwNICDNSPrimarySuffix	Shows the network adapter primary DNS suffix.			Yes	

hwNetworkCardMaxFrame	Shows the value of maximum size of a frame (in byte).	Yes sys	Yes
hwNetworkCardModel	Shows the name of network card model, for example, 'SUNW,qsi-cheerio'.	Yes	
hwNICBroadcastAddress	Shows the broadcast address (displayed in dotted decimal notation). A central address which will forward any messages sent to it to all user addresses on a network.		Yes
hwNICDNSName	Shows the network adapter name that is know to the DNS server.		Yes
hwNICConfig	Shows Configuration of the network adapter.		Yes
hwNICFeatures	Shows any additional features for the network adapter.		Yes

hwNICIPAddresses

Contains information about the IP address and subnet mask specific to a particular network adapter.

Field	Description	AIX	Solaris	Linux	HP-UX
hwNICIPAddress	Shows the network IP address. Each TCP/IP host is identified by a logical IP address. This address is unique for each host that communicates by using TCP/IP.	Yes	Yes	Yes	Yes
hwNICSubnetMask	Shows the network adapter subnet mask (displayed in dotted decimal notation). Network IDs and host IDs within an IP address are distinguished by using a subnet mask.	Yes	Yes	Yes	Yes

hwNICGateways

Contains a list of TCP/IP gateways configured for this network card.

Field	Description	AIX	Solaris	Linux	HP-UX
hwNICGateway	Shows the address of the gateway used for routing TCP/IP traffic.	Yes	Yes		Yes

hwNetworkCardCompatibles

Contains a list of names that this network card is compatible with.

Field	Description	AIX	Solaris	Linux	HP-UX
hwNetworkCardCompatible	Shows the names that are compatible with the network card, such as pci108e,1001, pciclass,020000.		Yes sys		

hwNetworkDNSServers

Contains information specific to the machine DNS servers. The DNS Server is a computer on the network that contains information that makes up a domains's name database.

Field	Description	AIX	Solaris	Linux	HP-UX
hwNetworkDNSServer	Shows the IP address of the network adapter Domain Name System (DNS) server for this machine.	Yes	Yes		Yes

hwKeyboardData

Shows the information about the keyboard attached.

Field	Description	AIX	Solaris	Linux	HP-UX
hwKeyboardConnection	The type of keyboard connection (PS/2, serial, etc.)		Yes		
hwKeyboardType	This shows the type of the keyboard.	Yes			

hwMouseData

Information about whether a mouse is connected and mouse driver is loaded; the mouse brand and version of the driver, number of buttons and type of connection (serial, PS/2, bus, etc.).

Field	Description	AIX	Solaris	Linux	HP-UX
hwMouse	Indicates what mouse (if any) is connected to the computer.		Yes		
hwMouseType	Information about whether the connected mouse is serial, PS/2, bus, etc.		Yes		
hwMouseButtons	The number of buttons on the mouse.	Yes			

hwDiskData

This displays details of the disk drives available on the system, including physical disk, partition, volume and disk mount point information.

Field	Description	AIX	Solaris	Linux	HP-UX
hwSummaryMountPoints	Shows the number of mount points that were found.	Yes	Yes	Yes	Yes

hwPhysicalDiskData

Displays physical disk information.

Information displayed includes the type of the drive (floppy disk, hard disk, CD ROM, network, etc), the type of the file system (FAT, NTFS, HPFS), amount of total and free space, location of the hard drive partitions on the physical hard disk, physical drive geometry (cylinders, heads and sectors per track), etc.

Field	Description	AIX	Solaris	Linux	HP-UX
hwPhysicalDiskSize	The size of the drive in megabytes.	Yes	Yes sys	Yes	

hwPhysicalDiskCylinders	Shows the number of cylinders on a physical hard disk.		Yes sys	Yes	
hwPhysicalDiskHeads	Shows the number of heads per cylinder on a physical hard disk.		Yes sys	Yes	
hwPhysicalDiskSectors	Shows the number of disk sectors per head on a physical hard disk.		Yes sys	Yes	
hwPhysicalDiskType	Specifies the drive type, such as floppy drive or fixed drive.	Yes	Yes sys	Yes	

hwMountPoints

Displays information about mount points and volumes. A volume is a part of the physical disk that appears to the system as a separate logical disk. Mounts points allow any volume to appear to be a directory instead of a separate drive letter.

Information includes disk volume information: volume type (FAT, HPFS, NTFS, etc.), media (Floppy drive, CD ROM, network drive, etc.), device, name, total and free space.

Field	Description	AIX	Solaris	Linux	HP-UX
hwMountPointVolumeName	Shows the name of the volume that the mount point is mounted to. The volume is said to be mounted at this location.	Yes	Yes	Yes	Yes
hwMountPointVolumeDevice	Shows the name of the system device that handles this volume. For network volumes, shows the UNC name of the volume.	Yes	Yes	Yes	Yes
hwMountPointVolumeType	Shows the type/file system of the volume mount point. For example, NTFS, FAT, Device Driven, Boot Manager, etc.	Yes	Yes	Yes	Yes
hwMountPointVolumeMedia	Shows the media type of the disk that the volume mount point is on. For example, CD-ROM, Floppy Disk, Removable Hard Disk, etc.	Yes	Yes	Yes	Yes

hwMountPointVolumeTotalSize	Shows the total size of the mount point volume (expressed in mega bytes).	Yes	Yes	Yes	Yes
hwMountPointVolumeFreeSpace	Shows the amount of free space on the mount point volume (expressed in mega bytes).	Yes	Yes	Yes	Yes
hwMountPointMountedTo	Shows the path to where the mount point is assigned (or mounted).	Yes	Yes	Yes	Yes
hwMountPointScanned	Indicates whether or not the mount point was scanned by the Desktop Inventory software.	Yes	Yes	Yes	
hwMountPointScannedFiles	Shows the number of files that were scanned in the directory where the mount point is mounted.	Yes	Yes	Yes	
hwMountPointScannedDirectories	Shows the number of directories that were scanned in the directory where the mount point is mounted.	Yes	Yes	Yes	
hwMountPointKBScanned	Shows the total size (in megabytes) of files scanned in the directory where the mount point is mounted.	Yes	Yes	Yes	

hwSystemData

Displays internal information about the Scanner, the date when the scan was conducted, file statistics, etc.

Field	Description	AIX	Solaris	Linux	HP-UX
hwScanCmdLine	Displays any Scanner command line options that were used to run the Scanner.	Yes	Yes	Yes	Yes
hwCreationMethod	Shows the Scanner type that was used to collect the data. For example the Win32 Scanner.	Yes	Yes	Yes	Yes
hwScannerDescription	Provides a brief description of the Scanner that was used to collect the data.	Yes	Yes	Yes	Yes
hwScanDate	The date that the scan was performed on.	Yes	Yes	Yes	Yes

hwScannerVersionMajor	This is the major version number of the Desktop Inventory software that was used to create the Scanner. For example, in version 6.10 of the software, the major version is '6'.	Yes	Yes	Yes	Yes
hwScannerVersionMinor	This is the minor version number of the Desktop Inventory software that was used to create the Scanner. For example, in version 6.10 of the software, the minor version is '10'.	Yes	Yes	Yes	Yes
hwScannerBuild	This is the Desktop Inventory software build number. This is useful for indicating exactly which version of the software you used to create the Scanner.	Yes	Yes	Yes	Yes
hwFSFVersionMajor	This is the major version number of the scan file. For example, in version 6.14 of the scan file, the major version is '6'. Note that scan file versions do not necessarily correspond to the versions of the Desktop Inventory software.	Yes	Yes	Yes	Yes
hwFSFVersionMinor	This is the minor version number of the scan file. For example, in version 6.14 of the scan file, the minor version is '14'. Note that scan file versions do not necessarily correspond to the versions of the Desktop Inventory software.	Yes	Yes	Yes	Yes
hwFSFRevision	Scan files are constantly being revised and this indicates the exact revision number of the scan file.	Yes	Yes	Yes	Yes
hwMemUsage	Indicates how much memory is occupied by the hardware data.	Yes	Yes	Yes	Yes
hwScannerVersion	Provides a full description of the version of the Scanner. For example, 6.10 Build 419 - indicates that this Scanner was created by version 6.10 Build 419 of the Desktop Inventory software.	Yes	Yes	Yes	Yes
hwFSFVersion	Provides a full description of the version of the FSF. For example, 6.13 Revision 1 - indicates that this FSF is version 6.10 Revision 1.	Yes	Yes	Yes	Yes

hwMetaDataVersion	Shows the version of the internal hardware metadata used to create this scan.	Yes	Yes	Yes	Yes
hwFilesTotal	Total number of files stored in scan file			Yes	Yes
hwFilesProcessed	Number of files processed against the recognition engine			Yes	Yes
hwFilesRecognised	Number of files recognized by the recognition engine			Yes	Yes
hwFilesUnrecognised	Number of files not recognized by the recognition engine.			Yes	Yes
hwFilesRecognisedPercent	This is the recognition rate in percent, calculated as the number of recognized files divided by the total number of files processed against the recognition engine.			Yes	Yes

hwSerialPortData

Indicates the presence of serial ports on a computer. A serial port is one which allows asynchronous transmission of data one bit at a time. Serial ports are also known as COM ports.

Field	Description	AIX	Solaris	Linux	HP-UX
hwSerialPortIO	Shows the I/O address for each serial port detected.	Yes			

hwParallelPortData

Indicates the presence of parallel ports on a computer. A parallel port is one which allows the synchronous transfer of data (also known as LPT port).

Field	Description	AIX	Solaris	Linux	HP-UX
hwParallelPortIO	Shows the I/O address for each parallel port detected.	Yes			

hwSCSIDevices

Shows the name, vendor, revision and device host information for the storage devices (such as hard drives, CD-ROMs, tape drives) that have been detected.

Field	Description	AIX	Solaris	Linux	HP-UX
hwSCSIDeviceName	Shows the model of the storage device.	Yes	Yes root	Yes	Yes
hwSCSIDeviceVendor	Shows the vendor name of the storage device.	Yes	Yes root	Yes	Yes
hwSCSIDeviceRevision	Shows the revision of the storage device.		Yes root	Yes	
hwSCSIDeviceType	Shows the type of the SCSI device that has been detected.	Yes	Yes root	Yes	Yes
hwSCSIDeviceSerial	Shows the serial number of the device	Yes	Yes root	Yes	
hwSCSIDeviceHost	Shows the name of the host adapter.				Yes

hwSoundCards

Contains data about the installed soundcard.

Field Name	Description	AIX	Solaris	Linux	HP-UX
hwSoundCardName	This field contains the description of the soundcard, which usually includes its make and model.		Yes		