TSystemInfo Component

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The TSystemInfo component can be used to obtain information about the system the application is running on. It is designed as a visual component so that this information can also be viewed in the design environment. All the properties are read only.

Properties:

CompanyName Property
The CompanyName property returns the string that was entered for Company Name when Windows was installed. This property is read only.

ContigFreeHeap Property
The ContigFreeHeap property returns the amount of contiguous free heap. This is the amount of free memory that is all together in one large chunk. This property is read only.

CoProPresent Property
The CoProPresent property returns True if a Math Co-Processor exists on the system. If a Math Co-Processor does not exist, then it returns False. This property is read only.

CPU Property
The CPU property returns a value for the type of processor that is present on the system. This property is read only.

These are the possible values for CPU.

Value	Meaning
i8086CPU	An 8086 processor
i286CPU	A 80286 processor
i386CPU	A 80386 processor
i486CPU	A 80486 processor
iPentiumCPU	A Pentium processor

CPUString Property
The CPUString property returns the type of processor as a string. This property is read only.

These are the possible values of CPUString:

Value	Meaning
8086	An 8086 processor
80286	A 80286 processor
80386	A 80386 processor
80486	A 80486 processor
Pentium	A Pentium processor
P????	A Future processor

DiskFree Property
The DiskFree property for the TSystemInfo component returns the total amount of free space on

a drive on the system. It returns values for all possible drives (A - Z). There are sub-properties for this property to provide the amount free for each drive. Each sub-property returns a value of type LongInt. The sub-properties are defined as DiskA through DiskZ. If a drive for a particular letter is not found on the system, the value returned is -1. This is also returned if no diskette is inserted into drive A or no CDROM is inserted into the CDROM drive.

DiskTotal Property
The DiskTotal property for the TSystemInfo component returns the total size of a drive on the system. It returns values for all possible drives (A - Z). There are sub-properties for this property to provide the total for each drive. Each sub-property returns a value of type LongInt. The sub-properties are defined as DiskA through DiskZ. If a drive for a particular letter is not found on the system, the value returned is -1. This is also returned if no diskette is inserted into drive A or no CDROM is inserted into the CDROM drive.

DiskType Property
The DiskType property for the TSystemInfo component returns the type of a drive on the system. It returns values for all possible drives (A - Z). There are sub-properties for this property to provide the type for each drive. Each sub-property returns a one of the types described below. The sub-properties are defined as DiskA through DiskZ. If a drive for a particular letter is not found on the system, the value returned is dtUnknown.

These are the possible values of DiskType:

Value	Meaning
dtCDROM	A CDROM drive
dtFixed	A Fixed drive
dtFloppy	A Floppy drive
dtNetwork	A Network drive
dtNoDrive	No drive attached
dtRAM	A RAM drive
dtUnknown	Drive is not known

DOSVersion Property
The DOSVersion property for the TSystemInfo component returns the Version of DOS running on the system. This property is read only.

FreeHeap Property
The FreeHeap property for the TSystemInfo component returns the total amount of free space on the heap. This is the total amount of free memory available. This property is read only.

Mode Property
The Mode property for the TSystemInfo component returns the mode that Windows is running in. This property is read only.

These are the possible values of Mode:

Value	Meaning
wmEnhanced	Windows is running in 386 Enhanced mode.
wmStandard	Windows is running in Standard mode.

PcntFreeGDIRes Property
The PcntFreeGDIRes property for the TSystemInfo component returns the percentage of free GDI (Graphics Display Interface) resources. This property is read only.

PcntFreeSystemRes Property
The PcntFreeSystemRes property for the TSystemInfo component returns the percentage of free System resources. This property is read only.

PcntFreeUserRes Property
The PcntFreeUserRes property for the TSystemInfo component returns the percentage of free User resources. This property is read only.

ScreenHeight Property
The ScreenHeight property for the TSystemInfo component returns the height of the Windows system screen in pixels. This property is read only.

ScreenPixelsPerInch Property
The ScreenPixelsPerInch property for the TSystemInfo component returns the number of pixels per inch of the Windows system screen. This property is read only.

ScreenWidth Property
The ScreenWidth property for the TSystemInfo component returns the width of the Windows system screen in pixels. This property is read only.

SystemDirectory Property
The SystemDirectory property for the TSystemInfo component returns the Windows system directory. This property is read only.

TasksRunning Property
The TasksRunning property for the TSystemInfo component returns the number of tasks currently running on the system. This property is read only.

TaskNames Property
The TaskNames property for the TSystemInfo component returns a list of the names of the tasks currently running on the system. Since this property is made from a TStringList, it is accessed the same as any TStringList. But the write properties only write to a dummy variable that is completely useless to the component. Therefore this property is read only. See the Delphi help for TStringList to find the methods and properties available for this property. Since this property shows task names that are currently running, it needs to be updated before it is read so that it is current. This is done with the UpdateTaskNames method.

TempDrive Property
The TempDrive property for the TSystemInfo component returns the Windows temporary drive letter. This property is read only.

UserName Property
The UserName property for the TSystemInfo component returns the name entered for User Name when Windows was installed. This property is read only.

WindowsDirectory Property
The WindowsDirectory property for the TSystemInfo component returns the main Windows directory. This property is read only.

WindowsVersion Property
The WindowsVersion property for the TSystemInfo component returns the version of Windows on the system. This property is read only.

Types:

TCPUType Type
The TCPUType type defines the set of values of types of processors currently available. The TCPUType type is used by the CPU property.

TDiskFree Type
The TDiskFree type is a class that returns the amount of Free drive space on each possible drive on a system (A - Z). Each of the properties returns a value of type LongInt;

Sub-properties are DiskA, DiskB, DiskC...DiskZ. These correspond with the disks available on the system.

TDiskTotal Type
The TDiskTotal type is a class that returns the total amount of drive space on each possible drive on a system (A - Z). Each of the properties returns a value of type LongInt;

Sub-properties are DiskA, DiskB, DiskC...DiskZ. These correspond with the disks available on the system.

TDiskType Type
The TDiskType type is a class that returns the type of each possible drive on a system (A - Z). Each of the properties returns a value of type TDriveType.

Sub-properties are DiskA, DiskB, DiskC...DiskZ. These correspond with the disks available on the system.

TDriveType Type
The TDriveType type defines the set of values a drive type can have. The TDriveType type is used by the TDiskType type.

TWinMode Type
The TWinMode type defines the set of values of possible modes Windows can run in. The TWinMode type is used by the Mode type.

Methods:

UpdateTaskNames Method
The UpdateTaskNames method for the TSystemInfo component updates the TaskNames property with the names of the tasks that are currently running on the system. This method should be called before reading the TaskNames property so that the list of tasks is up-to-date. Otherwise the list of task names may not accurately reflect what is running on the system.