DSpace Subroutine

Description

Returns the amount of total space and available space (in bytes), for a particular drive.

Syntax

DSpace(*Drive, Unused, FreeClusters, SectorsPerCluster, BytesPerSector, TotalClusters*)

Parameters

The DSpace subroutine has the following parameters.

Parameter	Description
Drive	The physical drive letter for which the information will be returned. Pass the actual letter (such as C), omitting the colon.
Unused	If available space is less than 2 gigabytes, returns the available space, otherwise is unused. For reliable results, see the example below.
FreeClusters	Number of free clusters. To get total available space, multiply by *SectorsPerCluster * BytesPerSector*.
SectorsPerCluster	Number of sectors per cluster.
BytesPerSector	Number of bytes per sector.
TotalClusters	Number of total clusters. To get total space, multiply by *SectorsPerCluster * BytesPerSector*

Example 1

```
/* running DSpace from System Editor Command Line
   Compile this function
*/

function ShowDiskSize(Disk)
declare subroutine DSpace
NotUsed           = 0    ;* available space in bytes (if <2GB)
FreeClusters      = 0
SectorsPerCluster = 0
BytesPerSector    = 0
TotalClusters     = 0
DSpace(Disk, NotUsed, FreeClusters, SectorsPerCluster, BytesPerSector, TotalClusters)
AvailableBytes = FreeClusters  * SectorsPerCluster * BytesPerSector
TotalBytes     = TotalClusters * SectorsPerCluster * BytesPerSector
return AvailableBytes: " of ": TotalBytes

From the System Editor Command Line, to display the available space on Drive C, type the following:

Run ShowDiskSize "C"
```

Example 2

```
/*  calling DSpace directly  */
declare subroutine DSpace
Disk              = "C"  ;* the drive letter
NotUsed           = 0    ;* available space in bytes (if <2GB)
FreeClusters      = 0
SectorsPerCluster = 0
BytesPerSector    = 0
TotalClusters     = 0
DSpace(Disk, NotUsed, FreeClusters, SectorsPerCluster, BytesPerSector, TotalClusters)
AvailableBytes = FreeClusters  * SectorsPerCluster * BytesPerSector
TotalBytes     = TotalClusters * SectorsPerCluster * BytesPerSector
```