

VBSCRIPT – DATETOINTEGER8.VBS

VBScript program demonstrating how to convert a datetime value to the corresponding **Integer8** (64-bit) value. The **Integer8** value is the number of 100-nanosecond intervals since 12:00 AM January 1, 1601, in **Coordinated Universal Time (UTC)**.

The conversion is only accurate to the nearest second, so the **Integer8** value will always end in at least 7 zeros.

```
' -----  
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' Hilltop Lab web site - http://www.rlmueeller.net  
' Version 1.0 - June 11, 2004  
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' distribute this script file in any way you find useful, provided that  
' you agree that the copyright owner above has no warranty, obligations,  
' or liability for such use.  
  
Option Explicit  
  
Dim dtmDateValue, dtmAdjusted, lngSeconds, str64Bit  
Dim objShell, lngBiasKey, lngBias, k  
If Wscript.Arguments.Count <> 1 Then  
Wscript.Echo "Required argument missing"  
Wscript.Echo "For example:"  
Wscript.Echo ""  
Wscript.Echo "cscript DateToInteger8.vbs ""2/5/2004 4:58:58 PM"""  
Wscript.Echo ""  
Wscript.Echo "If the date/time value has spaces, enclose in quotes"  
Wscript.Quit  
End If  
  
dtmDateValue = CDate(Wscript.Arguments(0))  
' Obtain local Time Zone bias from machine registry.  
Set objShell = CreateObject("Wscript.Shell")  
lngBiasKey = objShell.RegRead("HKLM\System\CurrentControlSet\Control\" _  
& "TimeZoneInformation\ActiveTimeBias")  
If UCase(TypeName(lngBiasKey)) = "LONG" Then  
lngBias = lngBiasKey  
ElseIf UCase(TypeName(lngBiasKey)) = "VARIANT()" Then  
lngBias = 0
```

```
For k = 0 To UBound(lngBiasKey)
lngBias = lngBias + (lngBiasKey(k) * 256^k)
Next
End If
' Convert datetime value to UTC.
dtmAdjusted = DateAdd("n", lngBias, dtmDateValue)
' Find number of seconds since 1/1/1601.
lngSeconds = DateDiff("s", #1/1/1601#, dtmAdjusted)
' Convert the number of seconds to a string
' and convert to 100-nanosecond intervals.
str64Bit = CStr(lngSeconds) & "00000000"
Wscript.Echo "Integer8 value: " & str64Bit
```