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Subject: SysInfo, String functions and cygwin  
Posted by [Didier](#) on Mon, 27 Jul 2009 21:37:49 GMT  
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Hi,

I usually develop my software under linux, and when I want or need a windows version just compile it using cygwin and mingw, the resulting executable is directly usable under windows.

My problem is the following:

The SysInfo package does not compile under CygWin (I could expect that due to the nature of the package).  
the String Replace(String str, String find, String replace) function is part of SysInfo and i need (only that)

I know this subject has already been discussed before, but all the pure string functions should be moved to core or somewhere else.

I resolved it by copying the needed function so I could remove the SysInfo package. But that's definitely not very cool !

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Subject: Re: SysInfo, String functions and cygwin  
Posted by [koldo](#) on Tue, 28 Jul 2009 06:14:54 GMT  
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Hello Didier

I have never tried SysInfo with Cygwin. Could you give me the details about the problems in compiling ?

Best regards  
Koldo

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Subject: Re: SysInfo, String functions and cygwin  
Posted by [Didier](#) on Tue, 28 Jul 2009 22:14:46 GMT  
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Hi Koldo,

Heuuuu, I wrote Cygwin but I was really talking about WINE .

OK, sorry, the files: rpcsal.h, .... are missing so the SysInfo package does not compile.

Anyway, if I remove the SysInfo package, the compiler stumbles on an another error that confuses me a little bit more.

here is the error message:

```
In file included from C:\upp_hg\bazaar/SysInfo/SysInfo.h:5,  
      from C:\MyApps\FNPSA_compet\CalculResultat.cpp:6:  
C:\upp\mingw\include\vfw.h:371: error: typedef 'COLUMN' is initialized (use __typeof__ instead)  
C:\upp\mingw\include\vfw.h:371: error: expected primary-expression before 'bool'  
C:\upp\mingw\include\vfw.h:371: error: expected primary-expression before '__attribute__'  
C:\upp\mingw\include\vfw.h:773: error: 'AVISAVECALLBACK' has not been declared  
C:\upp\mingw\include\vfw.h:774: error: 'AVISAVECALLBACK' has not been declared
```

I looked at the 'C:\upp\mingw\include\vfw.h' and it seems that the problem comes from the following line(371):

```
typedef BOOL (CALLBACK *AVISAVECALLBACK)(INT);
```

The problem comes from the 'BOOL' type : I use sqlite3 ... and in Sqlite3Schema.h there is the following line

```
#define BOOL(x)          COLUMN("text", bool, x, 0, 0)
```

On my windows virtual machine, I also use MinGW so I should have the same error, but I don't ????

Have any ideas (although this is not really important) ?

I still believe that the string functions should be put somewhere more appropriate

Didier