
Subject: StringParse missing declaration

Posted by [dschoni](#) on Thu, 27 Apr 2023 19:33:07 GMT

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I've managed to install TheIDE on Linux (Ubuntu 22.04 LTS).
Everything works fine, until I want to use SystemInfo functions.

As soon, as I get any function like this:

```
#elif defined(PLATFORM_POSIX)

bool GetDriveSpace(String drive,
//uint64 &totalBytes, // To determine the total number of bytes on a disk or volume, use
IOCTL_DISK_GET_LENGTH_INFO.
uint64 &freeBytesUser, // Total number of free bytes on a disk that are available to the user who
is associated with the calling thread.
uint64 &totalBytesUser, // Total number of bytes on a disk that are available to the user who is
associated with the calling thread.
uint64 &totalFreeBytes) // Total number of free bytes on a disk.
{
freeBytesUser = totalBytesUser = totalFreeBytes = 0;

StringParse space = Sys("df -T");
if (space == "")
return false;

while (drive != space.GetText())
;
space.MoveRel(-10); space.GoBeginLine();
space.GetText(); space.GetText(); // Jumps over device path and filesystem
totalBytesUser = 1024*space.GetUInt64();
space.GetText(); // Jumps over used space
freeBytesUser = totalFreeBytes = 1024*space.GetUInt64();
return true;
}
```

I've got errors:

```
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (409): error: 'StringParse' was not
declared in this scope
```

```
( ): 409 |         S tringParse space = Sys("df -T");
```

```
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (410): error: 'space' was not declared in
this scope; did you mean 'splice'?
```

```
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (413): error: 'space' was not declared in
this scope; did you mean 'splice'?
```

```
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (415): error: 'space' was not declared in
this scope; did you mean 'splice'?
```

```
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (427): error: 'StringParse' was not
declared in this scope
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (428): error: 'info' was not declared in this
scope
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (432): error: 'info' was not declared in this
scope
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (436): error: 'info' was not declared in this
scope
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (439): error: 'info' was not declared in this
scope
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (451): error: aggregate
'GetDriveInformation(Upp::String, Upp::String&, Upp::String&, int&, Upp::String&)::statfs buf' has
incomplete type and cannot be defined
/home/sd/Tech/Linux/upp/MyApps/FolderTree/main.cpp (452): error: invalid use of incomplete
type 'struct GetDriveInformation(Upp::String, Upp::String&, Upp::String&, int&,
Upp::String&)::statfs'
```

The same code works fine on Windows, because "StringParse" is not used there. But I have no idea, how to change the code.

How to solve this?

Best Regards
Daniel

Subject: Re: StringParse missing declaration
Posted by [Oblivion](#) on Thu, 27 Apr 2023 20:57:33 GMT
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Hello Daniel,

StringParse function is a part of Functions4U package, which should have been automatically installed if you already installed SysInfo package, using UppHub.

What you should do to use SysInfo package:

- 1) Add the SysInfo package to your project (using TheIDE)
- 2) Include SysInfo header in your h or cpp file: `#include <SysInfo/SysInfo.h>`
- 3) Don't forget to add using namespace Upp; to your cpp file OR call your functions with Upp:: namespace, e.g. `Upp::StringParse`

Best regards,
Oblivion

Subject: Re: StringParse missing declaration

Posted by [dschoni](#) on Thu, 27 Apr 2023 21:17:50 GMT

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Thank you very much, this works! :)

Best Regards

Daniel

A step more on the road to get the things done ...
