
Subject: Re: file_search problem

Posted by [greg.addr](#) on Wed, 25 Nov 2015 20:38:25 GMT

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On Wednesday, November 25, 2015 at 6:05:54 PM UTC+1, Heinz Stege wrote:

> On Wed, 25 Nov 2015 07:58:07 -0800 (PST), fawltlanguage

> wrote:

>

>> On Wednesday, November 25, 2015 at 4:45:37 PM UTC+1, Jim P wrote:

>>>

>>> A substantial amount of work was put into I18N a few releases ago, but it looks like this is a special case.

>>>

>>> Interesting...

>>>

>>> IDL> print, byte('î')

>>> 238

>>> IDL> print, string(238b)

>>> î

>>>

>>> ...however,

>>>

>>> IDL> print, byte('a')

>>> 97

>>> IDL> print, string(97b)

>>> a

>>>

>>> Jim P.

>>

>> I think the first one is in extended ASCII (0-255) and the second one is a true Unicode character.

>

> Let me add, that this conversion seems to take place during string

> input. No conversion happens, if the string "is really UTF-8":

>

> IDL> a=['C3'xb,'AE'xb]

> IDL> print,a

> 195 174

> IDL> print,string(a)

> î

> IDL> print,byte(string(a))

> 195 174

> IDL> b=['C4'xb,'83'xb]

> IDL> print,string(b)

> a

> IDL> print,byte(string(b))

> 196 131

>

> I hope, my news agent will choose the correct charset (UTF-8)! I'm not
> sure.
>
> Cheers, Heinz

Thanks, everyone, for the comments. I've found that the same does happen for other non-ascii characters (Polish, this time):

Directory of D:\tmp\test

```
25/11/2015 21:05 <DIR> .  
25/11/2015 21:05 <DIR> ..  
25/11/2015 09:31      0 ħn.txt
```

4 File(s) 0 bytes

file_search gives:

```
IDL> file_search("d:\tmp\test\","*.*)  
D:\tmp\test\ħn.txt
```

and findfile gives:

```
IDL> findfile("d:\tmp\test\*.txt")  
d:\tmp\test\ħn.txt  
d:\tmp\test\a.txt  
d:\tmp\test\a.txt  
d:\tmp\test\l.txt
```

So findfile sees the files, although the extended characters are simplified. However, the files are not identifiable through the simplified names:

```
IDL> a=findfile("d:\tmp\test\*.txt")  
IDL> print,(file_info(a[3])).exists  
0
```

This doesn't work either...

```
IDL> spawn,"dir /b /s d:\tmp\test\*.txt",res,err  
IDL> res  
d:\tmp\test\Œn.txt  
d:\tmp\test\a.txt  
d:\tmp\test\a.txt
```

d:\tmp\test\l.txt

And surprisingly (to me!), even this fails:

```
IDL> spawn,"dir /b /s *.txt >dir.txt",res,err
```

...with dir.txt containing the same

d:\tmp\test\l.txt

d:\tmp\test\l.txt

d:\tmp\test\l.txt

d:\tmp\test\l.txt

which is not the fault of IDL.

cheers,
Greg
