

Re: Help in checking the OS type...

## Re: Help in checking the OS type...

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*Source:* <http://coding.derkeiler.com/Archive/Perl/perl.beginners/2006-04/msg01025.html>

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- *From:* [syedmazhar.hasan@xxxxxxxxxx](mailto:syedmazhar.hasan@xxxxxxxxxx) (Mazhar)
  - *Date:* Wed, 26 Apr 2006 09:48:01 +0530
- 

On 4/25/06, Jay Savage <daggerquill@xxxxxxxxxx> wrote:

\*Don't top post.\*

On 4/25/06, Mazhar <syedmazhar.hasan@xxxxxxxxxx> wrote:

Paul,

It lists me out the operating system name thanks for the same. How can i

go

about getting the different drives/volumes created on the same...

Regards  
Mazhar

On 4/25/06, Paul D. Kraus <paul.kraus@xxxxxxxxxx> wrote:

On 4/25/06, Mazhar <syedmazhar.hasan@xxxxxxxxxx>  
wrote:

Hi Folks,

I need to develop a script where in i need to  
first check the type

of OS

and  
then go about in finding the drives.

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```
pkraus@pkraus-laptop:~$ cat testperl.pl && perl testperl.pl
print "OS:$^O\n";
OS:linux
*^O*
```

The name of the operating system under which this copy of Perl was

built,

as determined during the configuration process. The value is identical

to

```
$Config{'osname'}.
http://www.perl.com/doc/manual/html/pod/perlvar.html
```

HTH,  
Paul

File systems are system-specific. How you access them and find out information about them is an OS issue, not a perl issue. Most operating systems provide some version of the 'df' or 'du' system commands. Some don't. Most operating systems provide some version of and fstab file or /proc system. Some don't. If you don't know how to access filesystem information on your system, you need to find a good reference for your system. There are mailing lists devoted to most major OSes; there are also many good books. If you need information on a particular OS, let us know which one, and someone here can probably point you in the right direction.

If your script needs to be portable, you'll need to learn about the commands and/or system calls for the different systems you intend to run the script on. Then insert some simple logic to do the right thing on a particular system, e.g.:

```
if ( $^O =~ /some_os/ ) {
# do something
} elsif ( $^O =~ /some_other_os/ ) {
# do something completely different
}
}
```

And so on for each OS. You could also check out Sys::Filesystem. but then you already knew about that, because you took 30 seconds to do a simple CPAN search for 'filesystem' before you came to this list,

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right?

HTH,

-- jay

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daggerquill [at] gmail [dot] com

<http://www.tuaw.com> <http://www.dpguru.com> <http://www.engatiki.org>

values of  $2^2$  will give rise to dom!

Thanks for the Response Jay. See currently if i have written ti script that will check the type of operating system.

```
$Operate_sys=$^O;
```

```
if ($Operate="WIN32")
```

```
{
```

```
Here i have to write the number of logical drives. Then the Total Space of each drive and the Free Space..
```

```
}
```

```
if ($Operate="linux")
```

```
{
```

```
Here i have to write the number of volumes. Then the Total Space of each volume and the Free Space..
```

```
}
```

I think the above will give you the details of what i am trying to do so.

Thanks in Advance

regards  
Mazhar