Subject: POSIX home directory symbol '~' is causing trouble
Posted by Lance on Sun, 10 Oct 2021 22:13:11 GMT
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```
#include <Core/Core.h>

using namespace Upp;

CONSOLE_APP_MAIN
{

 FileOut fo("~/abc.txt");
 fo<<"U++ rocks!";
}
```

The above code won't work on Ubuntu. No expection thrown either. It just quietly does nothging.
But when I replace ~ with something like /home/user1, it works just fine.

I also notice this home directory symbol causing trouble in similar situation: I use it in
LocalProcess and pass it a command that is known to not run, hence a exit code 1 is expected to
be returned by the OS. Yet when I use ~ to denote home directory, the LocalProcess always
return 0 exit code.

Is ~ a bash thing(means bash or similar shells interpret it to produce a conforming path) so that
we really should not use it on U++?

Subject: Re: POSIX home directory symbol '~' is causing trouble
Posted by Lance on Mon, 11 Oct 2021 00:00:51 GMT
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I try it with std::fstream, it fails too. Some research shows that replacing ~ with $HOME is a shell
feature. So there is nothing U++ needs to do. The problem is closed.

Subject: Re: POSIX home directory symbol '~' is causing trouble
Posted by jjacksonRIAB on Mon, 11 Oct 2021 02:49:05 GMT
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Incidentally if you need the home directory you can just call GetHomeDirectory();

Subject: Re: POSIX home directory symbol '~' is causing trouble
Posted by Lance on Mon, 11 Oct 2021 03:16:08 GMT

Thank you, jjacksonRIAB!