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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 exception thrown either. It just quietly does nothing. 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++?

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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.

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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();

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Subject: Re: POSIX home directory symbol '~' is causing trouble

Posted by [Lance](#) on Mon, 11 Oct 2021 03:16:08 GMT

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Thank you, jjacksonRIAB!

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