

---

Subject: [solved] Linux LocalProcess::GetExitCode highly divergent from Windows  
Posted by [cbpporter](#) on Sat, 02 Sep 2017 08:55:11 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Under Linux, LocalProcess does not give me the exact exit code the child process gave.

Created this sample app duo:  
lpchild package:

```
#include <Core/Core.h>

using namespace Upp;

CONSOLE_APP_MAIN
{
    SetExitCode(-42);
    Cout() << "Exited with " << GetExitCode() << "!\\n";
}
```

lpparent package:

```
#include <Core/Core.h>

using namespace Upp;

CONSOLE_APP_MAIN
{
    LocalProcess lp("lpchild");
    String t, tt;
    while (lp.Read(t)) {
        if (t.GetCount())
            tt << t;
    }
    Cout() << "Child said:\\n";
    Cout() << tt;
    Cout() << "Child exited with: " << lp.GetExitCode() << "\\n";
}
```

output:

```
Child said:
Exited with -42!
Child exited with: 214
```

I saw no other API member that could give the real code.

## File Attachments

---

1) [MyApps.tar.gz](#), downloaded 327 times

---

---

Subject: Re: Linux LocalProcess::GetExitCode highly divergent from Windows  
Posted by [cbpporter](#) on Sat, 02 Sep 2017 09:21:41 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

OK, looks like this is not an U++ issue but a standard Linux limitation. Return codes are 8 bit.  
Welcome to 2017!

I guess I need to come up with a standardized API to report error across Linux and Windows,  
because 0 is valid on Linux, but other positives are error and positives are success on Windows...

---