Subject: Changes in SysInfo Bazaar package (svn 6019)
Posted by BioBytes on Thu, 02 May 2013 18:48:27 GMT
View Forum Message <> Reply to Message

Hi all,

I have noticed that the following code lines have been modified in SysInfo (Bazaar package) in svn 6019 when compared with svn 6009.

Upp svn 6009

```
long GetWindowIdFromCaption(String windowCaption, bool exactMatch)
{
 Array<long> wid, pid;
 Array<String> name, fileName, caption;
 GetWindowsList(wid, pid, name, fileName, caption);
 for (int i = 0; i < wid.GetCount(); ++i) {
  if (exactMatch) {
   if (caption[i] == windowCaption)
    return wid[i];
  } else {
   if (caption[i].Find(windowCaption) >= 0)
    return wid[i];
  }
 }
 return -1;
}
```

Upp svn 6019

```
uint64 GetWindowIdFromCaption(String windowCaption, bool exactMatch)
{
 Array<uint64> wid, pid;
 Array<String> name, fileName, caption;
 GetWindowsList(wid, pid, name, fileName, caption);
 for (int i = 0; i < wid.GetCount(); ++i) {
  if (exactMatch) {
   if (caption[i] == windowCaption)
    return wid[i];
  } else {
   if (caption[i].Find(windowCaption) >= 0)
    return wid[i];
  }
 }
 return INT64_MAX;
}
```

I understand that GetwindowIdFromCaption function should now return a 64 bits integer to consider 64bits platform but I am surprised that the negative result when a single instance is running has been replaced with the INT64_MAX value.

Is there a specific reason for that change?

This is not a real problem but it requires that part of code has to be written in some applications.

Have a happy coding

Regards

Biobytes

Subject: Re: Changes in SysInfo Bazaar package (svn 6019)
Posted by koldo on Fri, 03 May 2013 07:30:40 GMT
View Forum Message <> Reply to Message

Hello BioBytes

First of all sorry for not explaining this change before.

The problem came from the Linux 64 bit version that complained about using long and int64 for this handlers so I changed them to uint64. This affects to process and windows handlers.

The problem is that there is not a Null for uint64 (and in general for unsigned types) so I simply took the INT64_MAX as a kind of Null considering this amount was enough high.

If you have a less ugly idea I will include it.

Subject: Re: Changes in SysInfo Bazaar package (svn 6019)
Posted by BioBytes on Fri, 03 May 2013 17:40:28 GMT
View Forum Message <> Reply to Message

Hello Koldo,

Thank you very much for explanation. I see now why the source code has been modified.

The "problem" I faced is that the new function GetWindowIdFromCaption has not the same behaviour under Win XP and Win 7. For some reason, my application checks if an instance is already running and therefore inform the user that only one instance can be opened on his/her computer.

Under Upp svn 6009, the code (working under Win XP or Win 7) was:

```
bool QSkillsWin::IsSingleInstance()
{
    if(GetWindowIdFromCaption(GetTitle().ToString())>0)return true;
   else return false;
}
```

Under Upp svn 6019, the new code is:

```
bool RegManager::IsSingleInstance()
{
 if(IsWin7())
 {
  if(GetWindowIdFromCaption(GetTitle().ToString(),true)==INT64_MAX)return true;
    else return false;
 }
  else
   {
    if(GetWindowIdFromCaption(GetTitle().ToString(),true)<INT64_MAX)return true;
     else return false;
   }
}
```

Without the above modification, the function is working well under Win 7 but return opposite value under Win XP showing a dialogue window informing the user that the application is already running in memory (?!).

My U++ project is compiled using MSC 9 on the two computers (one is running under XP, the other under Win 7).

If I would like to move my application under Linux, should I integrate a test to check that Linux or Posix is running ?

Thank you in advance for your comments

Regards

Biobytes

Subject: Re: Changes in SysInfo Bazaar package (svn 6019)
Posted by koldo on Sat, 04 May 2013 00:00:15 GMT
View Forum Message <> Reply to Message

Hello BioBytes

Now all handles are int64 so all your code should work. The doc is updated.

Thank you for your patience

Subject: Re: Changes in SysInfo Bazaar package (svn 6019)
Posted by BioBytes on Sat, 04 May 2013 13:16:31 GMT
View Forum Message <> Reply to Message

Hi Koldo,

Thank you very much for your effort and information.

I update my doc immediately

Best regards

Biobytes

Subject: Re: Changes in SysInfo Bazaar package (svn 6019)
Posted by BioBytes on Sun, 05 May 2013 12:31:00 GMT
View Forum Message <> Reply to Message

Hzllo Koldo,

I just updated my Upp system with svn 6031 and all is working perfectly with SysInfo and GetWindowIdFromCaption function and no need to modify my application sources.

Thank you again

Regards
Biobytes

Subject: Re: Changes in SysInfo Bazaar package (svn 6019)
Posted by koldo on Sun, 05 May 2013 13:59:38 GMT
View Forum Message <> Reply to Message

Subject: Re: Changes in SysInfo Bazaar package (svn 6019)
Posted by o_wild on Sat, 25 May 2013 13:45:19 GMT
View Forum Message <> Reply to Message

koldo wrote on Sat, 04 May 2013 02:00Hello BioBytes

Now all handles are int64 so all your code should work. The doc is updated.

Thank you for your patience

Line 219 of SysInfo_demo_console/main.cpp does not conform to the declaration of GetWindowsList in SysInfo/SysInfo.h, please check.
I changed "uint64" to "int64" and everything is ok.
alternatively,change the declaration to 'void GetWindowsList(Upp::Array<uint64> &wid, Upp::Array<uint64> &pid, Upp::Array<String> &name,Upp::Array<String> &fileName, Upp::Array<String> &title);'
Which is better?

Regards,
Wild

Subject: Re: Changes in SysInfo Bazaar package (svn 6019)
Posted by koldo on Sun, 26 May 2013 13:25:19 GMT
View Forum Message <> Reply to Message

Thank you Wild

Fixed SysInfo_demo_console/main.cpp to int64 as all handles are int64 because sometimes it is used the Null value and uint64 does not have Null.