Subject: How to set progress in taskbar button
Posted by koldo on Wed, 10 Jan 2018 07:48:08 GMT
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This code snippet displays a progress indicator in the Windows 7-10 taskbar button.
It has just 3 functions: Init(), SetValue(val, max) and End().

```
#if defined(PLATFORM_WIN32)

#include <winnls.h>
#include <winnetwk.h>

#define Ptr Ptr_
#define CY tagCY
#include <wincon.h>
#include <shlobj.h>
#undef CY
#undef Ptr

class TaskbarProgress {
public:
 TaskbarProgress() : m_hWnd(0) {}
 void Init() {
  m_hWnd = ::GetActiveWindow();
  HRESULT hres;
  hres = CoInitialize(NULL);
  hres = CoCreateInstance(CLSID_TaskbarList, NULL, CLSCTX_ALL, IID_ITaskbarList3,
(void**)&m_pTaskBarlist);
  m_pTaskBarlist->SetProgressState(m_hWnd, TBPF_INDETERMINATE);
 }
 void SetValue(int val, int max) {
  ASSERT(val >= 0 && val <= max);
  if (!m_hWnd)
   return;
  m_pTaskBarlist->SetProgressValue(m_hWnd, val, max);
 }
 void End() {
  if (!m_hWnd)
   return;
  m_pTaskBarlist->SetProgressState(m_hWnd, TBPF_NOPROGRESS);
  m_pTaskBarlist->Release();
  m_hWnd = 0;
 }

private:
 ITaskbarList3* m_pTaskBarlist;
```

```
 HWND m_hWnd;
};

#endif
```

File Attachments

1) index.jpg, downloaded 420 times

Subject: Re: How to set progress in taskbar button
Posted by Klugier on Wed, 10 Jan 2018 09:53:03 GMT
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Hello,

This should be also be possible with GTK backend. For example my KDE desktop supports such feature, too. I belive Unity and Gnome is also possible to do that.

If we want to support such feature we should have multiplatform code whenever it is possible.

Sincerely,
Klguier

Subject: Re: How to set progress in taskbar button
Posted by Oblivion on Wed, 10 Jan 2018 10:42:33 GMT
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This is nice, and useful. Thanks!

IIRC, KDE Plasma (and probably Gnome) version is based on Unity's dbus service. Either you'll need to wrap up a certain portion of GNOME dbus api, or you'll need a full dbus wrapper.

Best regards,
Oblivion.

Subject: Re: How to set progress in taskbar button
Posted by koldo on Thu, 11 Jan 2018 07:25:31 GMT
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This is just a code snippet :)

If anybody has the knowledge to do it in KDE and GTK, it could be included into main U++ or in Bazaar.