

Clipboard

Windows programming

cuu duong than cong . com

Text

cuu duong than cong . com

cuu duong than cong . com

Set text to clipboard

```
if (OpenClipboard(hWnd))
{
    EmptyClipboard();

    LPCWSTR source = L"Kiểm tra chuỗi tiếng Việt";
    int len = wcslen(source) + 1;

    // Copy dữ liệu vào vùng nhớ của Clipboard
    HGLOBAL clipbuffer = GlobalAlloc(GMEM_DDESHARE, len * sizeof(wchar_t));
    LPWSTR buffer = (LPWSTR) GlobalLock(clipbuffer);
    wcscpy_s(buffer, len, source);
    GlobalUnlock(clipbuffer);

    // Chính thức đưa vào clipboard
    SetClipboardData(CF_UNICODETEXT, clipbuffer);

    CloseClipboard();
}
```

Get text

```
if (OpenClipboard(hWnd))
{
    if (IsClipboardFormatAvailable(CF_UNICODETEXT))
    {
        HANDLE hClipboardData = GetClipboardData(CF_UNICODETEXT);
        LPCWSTR buffer = (LPCWSTR)GlobalLock(hClipboardData);
        MessageBox(0, buffer, L"Data", 0);

        GlobalUnlock(hClipboardData);
    }
    CloseClipboard();
}
```

Bitmap

cuu duong than cong . com

cuu duong than cong . com

Get image

```
if (OpenClipboard(hWnd))
{
    HBITMAP hBitmap = (HBITMAP)GetClipboardData(CF_BITMAP);
    BITMAP bitmap;
    GetObject(hBitmap, sizeof(BITMAP), &bitmap);

    HDC hdc = GetDC(hWnd); // Tạo DC ảo chứa bitmap
    HDC memDC = CreateCompatibleDC(hdc);
    SelectObject(memDC, hBitmap);

    BitBlt(hdc, 0, 0, bitmap.bmWidth, bitmap.bmHeight, memDC, 0, 0, SRCCOPY);

    DeleteDC(memDC);
    ReleaseDC(hWnd, hdc);
    CloseClipboard();
}
```

Set image

❑ SetClipboardData(CF_BITMAP, hBitmap);

cuu duong than cong . com

cuu duong than cong . com

Use our own format

```
UINT format = RegisterClipboardFormat("MY_CUSTOM_FORMAT");  
HGLOBAL clipbuffer = GlobalAlloc(GMEM_DDESHARE,  
                                   sizeof(MyFormatData));
```

cuu duong than cong . com

cuu duong than cong . com

Get clipboard notification

cuu duong than cong . com

Register & message handler

❑ SetClipboardViewer()

❑ WM_DRAWCLIPBOARD

cuu duong than cong . com

cuu duong than cong . com