
Subject: DragAndDrop FILES does not work under LINUX

Posted by [Didier](#) on Tue, 27 Dec 2011 18:34:47 GMT

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I am using the drag and drop of files in order drop the files to open with my app.

This works very well on WIN32, but under LINUX it does not work

I have never seen this feature work under linux, is it normal or is it a bug ?

I've been trying to see what's happening and I found the following things:

The ctrl DragAndDrop() gets called all the time, even while moving the selected file
The pasteClip is always empty ??

I work under linux FEDORA 12 (I know it's quite old now) with KDE

Does anybody have this working under linux ?

Note: The dropfiles example app is the test case

Subject: Re: DragAndDrop FILES does not work under LINUX

Posted by [mirek](#) on Tue, 27 Dec 2011 18:42:10 GMT

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Note: The dropfiles example app is the test case

It is implemented, the clipboard type is "text/uri-list"...

I have just tested in Gnome, it seems to work fine.

It is not unlikely that KDE has different protocol (or different clipboard type) for this...

Mirek

Subject: Re: DragAndDrop FILES does not work under LINUX

Posted by [Didier](#) on Tue, 27 Dec 2011 20:49:10 GMT

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I tested with gnome and it also works fine,

Seems to be a KDE specific problem

But looking at the logs in DEBUG mode

In GNOME:

PasteClip =

Target action 1

Sending status/finished to 23115959 accepted: true

DropStatus Client Message XdndPosition

Client Message 83890900 XdndPosition, src: 23115959

XdndPosition [757, 350], action XdndActionCopy

Source action 1

PasteClip =

Target action 1

Sending status/finished to 23115959 accepted: true

DropStatus Client Message XdndPosition

Client Message 83890900 XdndPosition, src: 23115959

XdndPosition [759, 352], action XdndActionCopy

Source action 1

PasteClip =

Target action 1

Sending status/finished to 23115959 accepted: true

DropStatus Client Message XdndPosition

Client Message 83890900 XdndPosition, src: 23115959

XdndPosition [760, 353], action XdndActionCopy

Source action 1

PasteClip =
Target action 1
Sending status/finished to 23115959 accepted: true
PasteClip =
PasteClip =
PasteClip =
PasteClip =
PasteClip =
DropStatus Client Message XdndDrop
Client Message 83890900 XdndDrop, src: 23115959
XdndDrop to 10VMLineEdit : 0xbf82c308(parent 16WithTabDocLayoutIN3Upp10ParentCtrlEE)
Source action 1
PasteClip =
Target action 1
Sending status/finished to 23115959 accepted: true
DropStatus Client Message WM_PROTOCOLS
DropStatus Client Message WM_PROTOCOLS
DropStatus Client Message WM_PROTOCOLS

In KDE

DropStatus Client Message XdndPosition
Client Message 85985289 XdndPosition, src: 81788964
XdndPosition [1023, 365], action XdndActionMove
Source action 2
PasteClip =
Target action 2
Sending status/finished to 81788964 accepted: true
PasteClip =
PasteClip =
DropStatus Client Message XdndPosition
Client Message 85985289 XdndPosition, src: 81788964
XdndPosition [1023, 365], action XdndActionMove
Source action 2
PasteClip =
Target action 2
Sending status/finished to 81788964 accepted: true
PasteClip =
PasteClip =
PasteClip =
PasteClip =
DropStatus Client Message XdndPosition
Client Message 85985289 XdndPosition, src: 81788964
XdndPosition [1023, 365], action XdndActionMove
Source action 2
PasteClip =

Target action 2
Sending status/finished to 81788964 accepted: true
PasteClip =
PasteClip =
PasteClip =
DropStatus Client Message XdndDrop
Client Message 85985289 XdndDrop, src: 81788964
XdndDrop to 10VMLineEdit : 0xbfb1fde8(parent 16WithTabDocLayoutlN3Upp10ParentCtrlEE)
Source action 2
PasteClip =
Target action 2
Sending status/finished to 81788964 accepted: true
DropStatus Client Message WM_PROTOCOLS
DropStatus Client Message WM_PROTOCOLS
DropStatus Client Message WM_PROTOCOLS

The target action differs: 1 in GNOME and 2 in KDE
You are certainly right saying it's a protocol problem.
Where is all this protocol parsing done, i can try and take a look at what can be done ?

Subject: Re: DragAndDrop FILES does not work under LINUX
Posted by [mirek](#) on Wed, 28 Dec 2011 08:21:51 GMT
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For now, I would not be that much concerned about action, clearly KDE suggests default action different than Gnome.

1 means copy
2 means move

What I would test first is which formats are available on clipboard. Unfortunately, there is no direct logging of this in U++; however the scan of available formats in in method

```
bool Ctrl::Xclipboard::IsAvailable(int fmt, const char *type)
```

so perhaps putting DDUMP(XAtomName... into the loop there would reveal the information.

Mirek

Subject: Re: DragAndDrop FILES does not work under LINUX

Posted by [Didier](#) on Wed, 28 Dec 2011 13:17:21 GMT

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OK,

Thank's. I will try this and see what comes up

Subject: Re: DragAndDrop FILES does not work under LINUX

Posted by [Didier](#) on Thu, 29 Dec 2011 10:42:28 GMT

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I did some testing and the problem does not come from KDE. It comes from the file browser used:

First, depending on the file browser used, you have to push on [ctrl] to get a 'XdndActionCopy' command (action 1)

But even with the correct command, some browsers still don't work. Here is the status for 3 current linux browsers:

dolphin : does NOT WORK (default with KDE)

konqueror : does NOT WORK

nautilus : OK (default with GNOME)

After more investigation, it seems that the CLIP is EMPTY with dolphin and konqueror although all the rest is identical to nautilus case.

So I gess this is a Konqueror/dolphin bug.
