Subject: DragAndDrop FILES does not work under LINUX
Posted by Didier on Tue, 27 Dec 2011 18:34:47 GMT
View Forum Message <> Reply to Message

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

I've been triing 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

Doe's 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
View Forum Message <> Reply to Message

Didier wrote on Tue, 27 December 2011 13:34I 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 haver never seen this feature work under linux, is it normal or is it a bug ?

I've been triing 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

Doe's anybody have this working under linux ?

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
View Forum Message <> Reply to Message

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 16WithTabDocLayoutIN3Upp10ParentCtrlEE)
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
View Forum Message <> Reply to Message

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
View Forum Message <> Reply to Message

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
View Forum Message <> Reply to Message

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   (defautl 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.