Subject: FileSel is now using icons from windows....
Posted by mirek on Fri, 03 Aug 2007 19:33:26 GMT
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Looks a bit better...

Would be nice if somebody suggested some hint, link or even better, contributed the code how to do this in Linux.

...next step is to make that bar left and network browsing....

Subject: Re: FileSel is now using icons from windows....
Posted by mrjt on Mon, 20 Aug 2007 14:53:54 GMT
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I've got an idea of how to do this, but I haven't been able to test it yet. It's considerably more complicated than on Windows.

It should go something like this:
First check the standard icons paths/names as defined by the Tango project (I have seen these on their website, but it currently seems to be down). This seems to be the standard adopted by KDE (it's where my icons are anyway), but I'm unsure about GNOME.

If the icon is not found fallback to Gtk icons by using GtkImage("gtk-home") etc. as defined here. This should be correct for Gnome, but appears to be less complete than the Windows selection or the Tango project.

This is not very pleasant, but seems to be the only Desktop agnostic way.

Edit: Actually it seems I'm mistaken about the KDE icons. Now I can't find them anywhere...

Subject: Re: FileSel is now using icons from windows....
Posted by mrjt on Mon, 20 Aug 2007 15:53:24 GMT
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Found them KDE doesn't actually follow Tango, though it is close.

Running
kde-config --path icon
gives:
/home/James/.kde/share/icons/
/usr/share/icons/
/opt/kde/share/icons/

So presumably the sequence should be:

1) Try and find the KDE icons (is it possible to determine whether GNOME or KDE is running?). This is further complicated by needing to determine which theme is running.
2) Optional: Try and find Tango icons
3) Use GetGtkImage.

It may be more trouble than it's worth to match icons on KDE. Anyone who really cares can set the GTK theme to match KDE, so perhaps you could just use the Gtk icons?

Subject: Re: FileSel is now using icons from windows....
Posted by guido on Mon, 20 Aug 2007 16:29:58 GMT
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mrjt wrote on Mon, 20 August 2007 17:53
It may be more trouble than it's worth to match icons on KDE. Anyone who really cares can set the GTK theme to match KDE, so perhaps you could just use the Gtk icons?

Exactly!

http://library.gnome.org/devel/gtk/unstable/GtkIconTheme.htm l

has everything you should need (to know).

upp has picked gtk for x11 widget rendering, so using its icon theme api is the logical thing to do. There is just no way to do the right thing for upp in case of KDE/GNOME theme mismatch. And KDE will screw the ISV with their bi-annual incompatible rewrites-from-scratch anyway.

Guido

Subject: Re: FileSel is now using icons from windows....
Posted by mirek on Mon, 20 Aug 2007 19:07:20 GMT
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Well, that is all good, BUT HOW do I get an icon for the file using GTK API?

Subject: Re: FileSel is now using icons from windows....
Posted by mrjt on Tue, 21 Aug 2007 08:34:18 GMT
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Sorry, I thought you knew because it's used in Chameleon:

```
enum GtkIconSize {
 ICON_SIZE_INVALID,
 ICON_SIZE_MENU,
 ICON_SIZE_SMALL_TOOLBAR,
```

ICON_SIZE_LARGE_TOOLBAR,
ICON_SIZE_DND,
ICON_SIZE_DIALOG
};

Image file_icon = GtkImage("gtk-file", ICON_SIZE_SMALL_TOOLBAR, 22);
You may have to fiddle with the sizes, and AFAIK GtkImage isn't currently exposed in Draw/Ch.h.

And to get the GTK theme to match QT/KDE you want this

James

Subject: Re: FileSel is now using icons from windows....
Posted by waxblood on Tue, 21 Aug 2007 09:02:48 GMT
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A desktop-agnostic solution by freedesktop.org would be better...
Too bad I've tried a simple mime query on my Xubuntu Feisty and it didn't work...

xdg-mime query filetype structOgre_1_1Boxt.png
xdg-mime: no method available for quering MIME type of 'structOgre_1_1Box.png'

note: to try out the xdg- family of programs you have to install xdg-utils

Anyway, these are intresting links, especially if someone wants to install default icons for his apps
http://standards.freedesktop.org/icon-theme-spec/icon-theme- spec-latest.html

http://portland.freedesktop.org/xdg-utils-1.0/xdg-mime.html

Here are the standard names:
http://standards.freedesktop.org/icon-naming-spec/icon-namin g-spec-latest.html

David

Subject: Re: FileSel is now using icons from windows....
Posted by mirek on Tue, 21 Aug 2007 11:19:25 GMT
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mrjt wrote on Tue, 21 August 2007 04:34Sorry, I thought you knew because it's used in Chameleon:

```
enum GtkIconSize {
 ICON_SIZE_INVALID,
 ICON_SIZE_MENU,
 ICON_SIZE_SMALL_TOOLBAR,
 ICON_SIZE_LARGE_TOOLBAR,
 ICON_SIZE_DND,
 ICON_SIZE_DIALOG
};

Image file_icon = GtkImage("gtk-file", ICON_SIZE_SMALL_TOOLBAR, 22);
```
You may have to fiddle with the sizes, and AFAIK GtkImage isn't currently exposed in Draw/Ch.h.

And to get the GTK theme to match QT/KDE you want this

James

Ah, sorry, I perhaps was not clear enough.

What works in Windows is that files are displayed with icons dedicated to their types. Means, .txt files have different icon than .xls and from .exe the icon is extracted.

This is what I would like to know how to implement in Ggnome...

Mirek

Subject: Re: FileSel is now using icons from windows....
Posted by guido on Tue, 21 Aug 2007 18:20:34 GMT
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luzr wrote on Tue, 21 August 2007 13:19
What works in Windows is that files are displayed with icons dedicated to their types. Means, .txt files have different icon than .xls and from .exe the icon is extracted.

This is what I would like to know how to implement in Ggnome...

Mirek

GTK uses an in-tree copy of this:
http://webcvs.freedesktop.org/mime/xdgmime/

But GtkFileChooser doesn't expose any of it as a public API

Guido
