KDE - The K Desktop Environment

Presented by Andy Stewart
Worcester Linux Users' Group
Worcester, MA, USA

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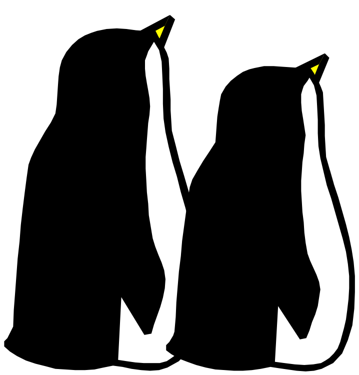
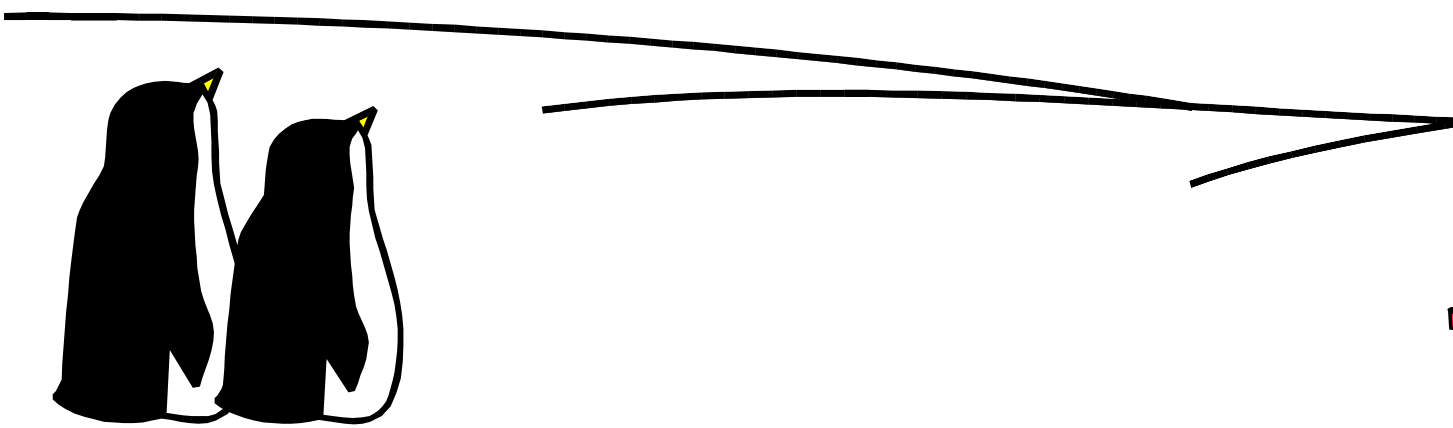


This presentation was created with
StarOffice 5.0 Personal Edition
on an Intel based system running Linux 2.0.36.

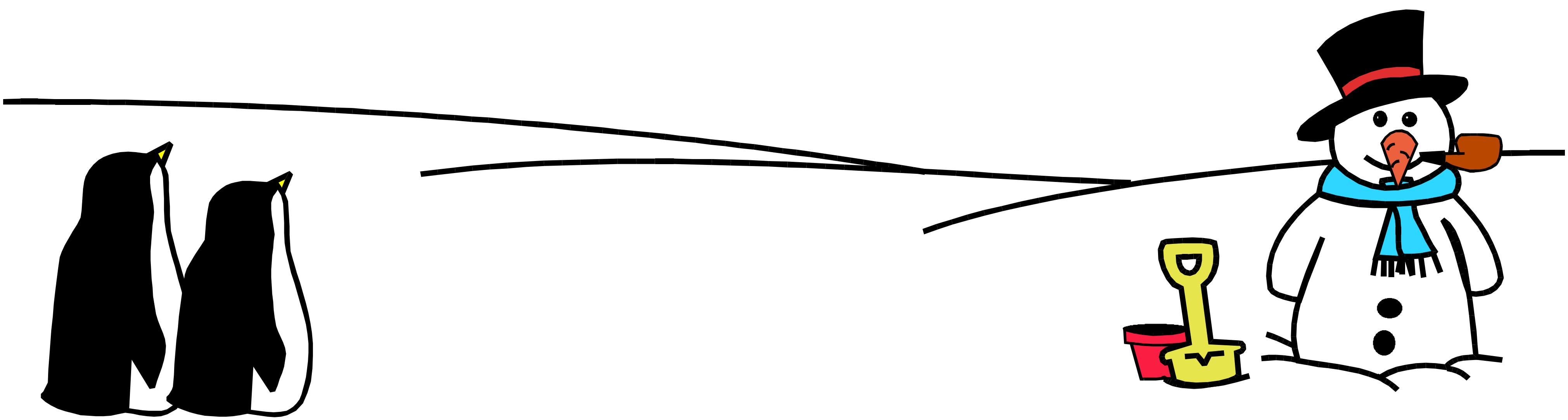
What is KDE?

- *KDE is an integrated desktop environment*
  - *powerful, yet easy to use*
  - *outstanding graphical design*
  - *contemporary functionality*
  - *network transparency*
  - *highly configurable*



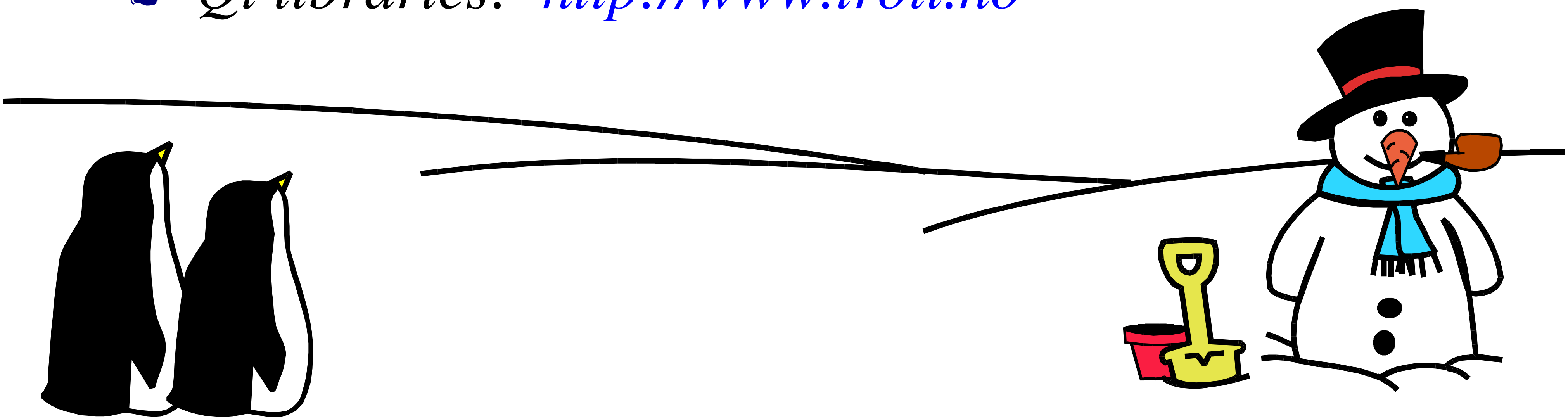

For what does the "K" stand?

- The "K" in KDE does not stand for anything!
- Similarly, the "X" in X windows does not stand for anything, either.



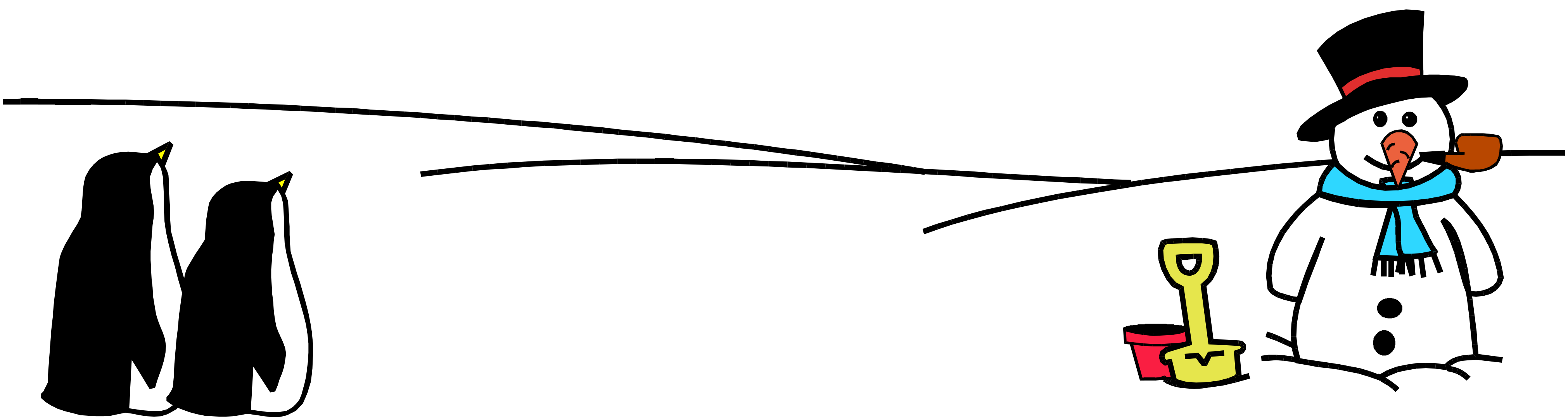
Where do I find the KDE software?

- *On a CDROM*
- *On the Internet:*
  - *http://www.kde.org*
  - *any KDE mirror site*
- *Qt libraries: http://www.troll.no*



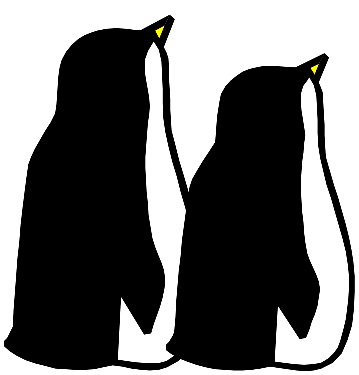
On which systems does KDE run?

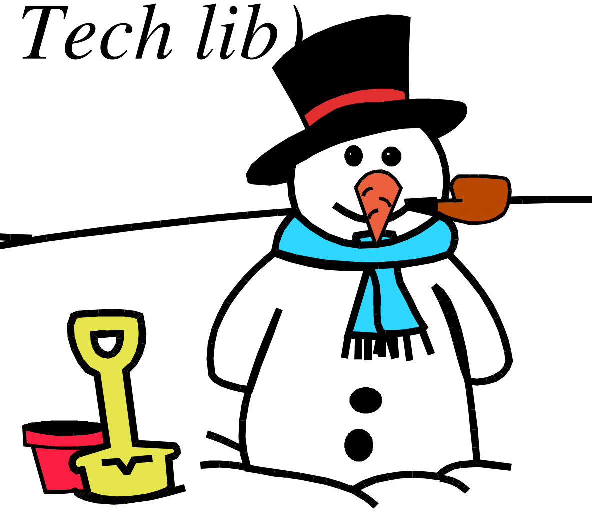
- *Currently, it runs on (at least) these variants of Unix:*
  - *Linux*
  - *Solaris*
  - *IRIX*
  - *HP−UX*
  - *Free BSD*



KDE packages

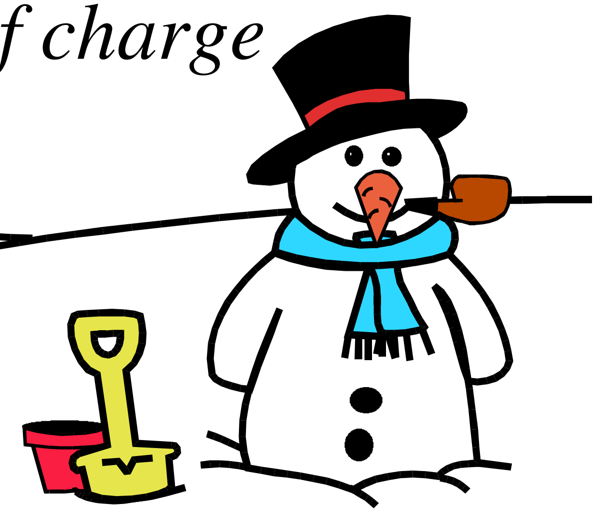
- kdesupport (rec)
- kdelibs (req)
- kdebase (req)
- kdegames (opt)
- kdegraphics (opt)
- kdeutils (opt)
- kdemultimedia (opt)
- kdenetwork (opt)
- kdeadmin (opt)
- Qt (Troll Tech lib)





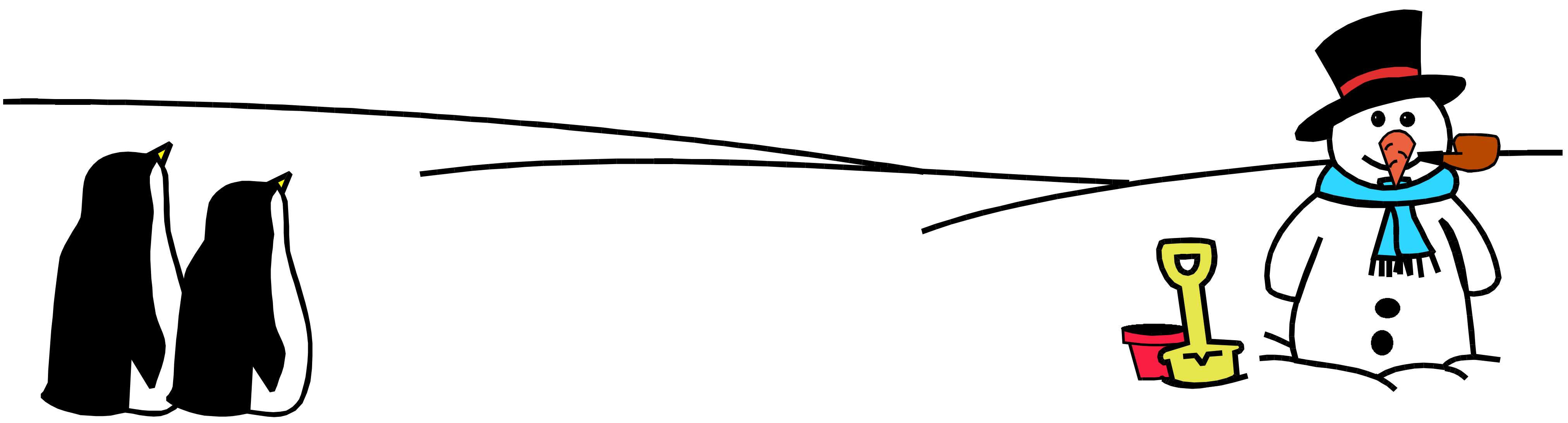
Is KDE open source?

- KDE source code is under the GPL
- KDE library code is under the LGPL
- KDE apps are under the GPL
- Qt libraries are NOT open source (yet...)
- Open source code may use Qt free of charge



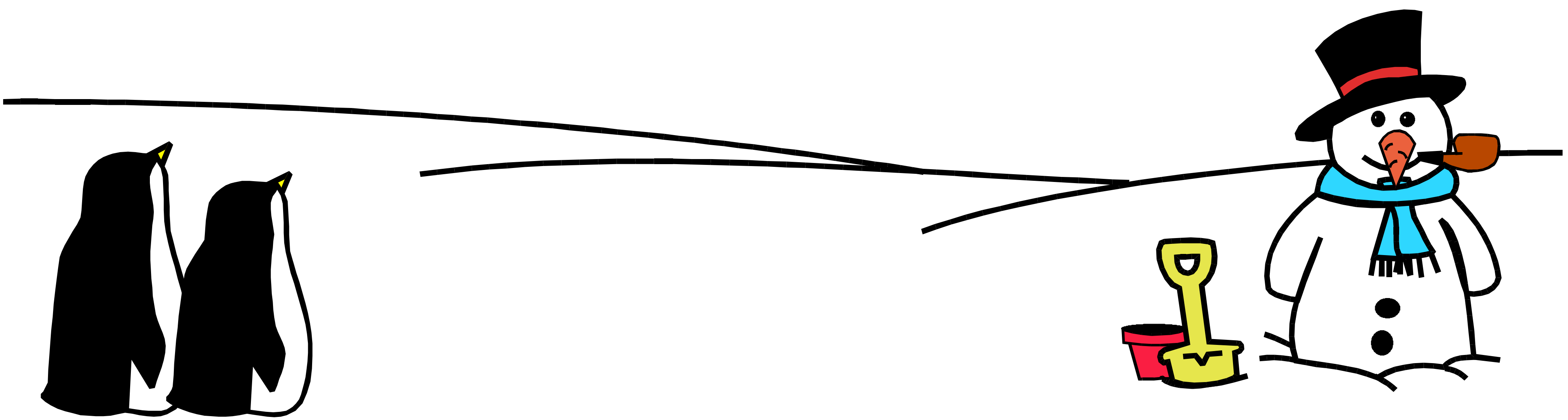
KDE has many parts

- desktop
- window manager
- file manager
- control center

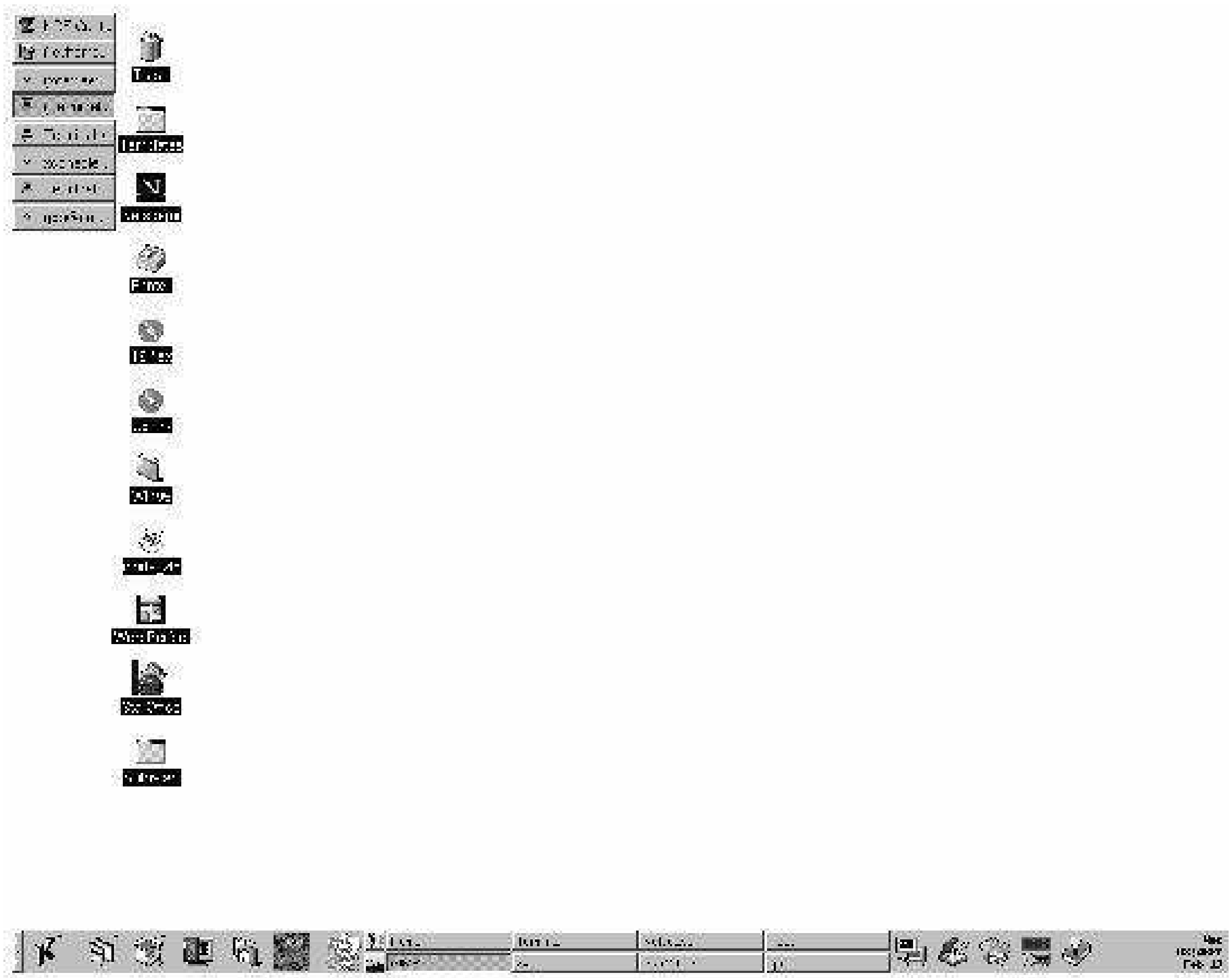


The KDE Desktop

- *The KDE Desktop is made up of several parts:*
  - *panel at the bottom of the screen*
  - *taskbar at the top left of the screen*
  - *the desktop itself*

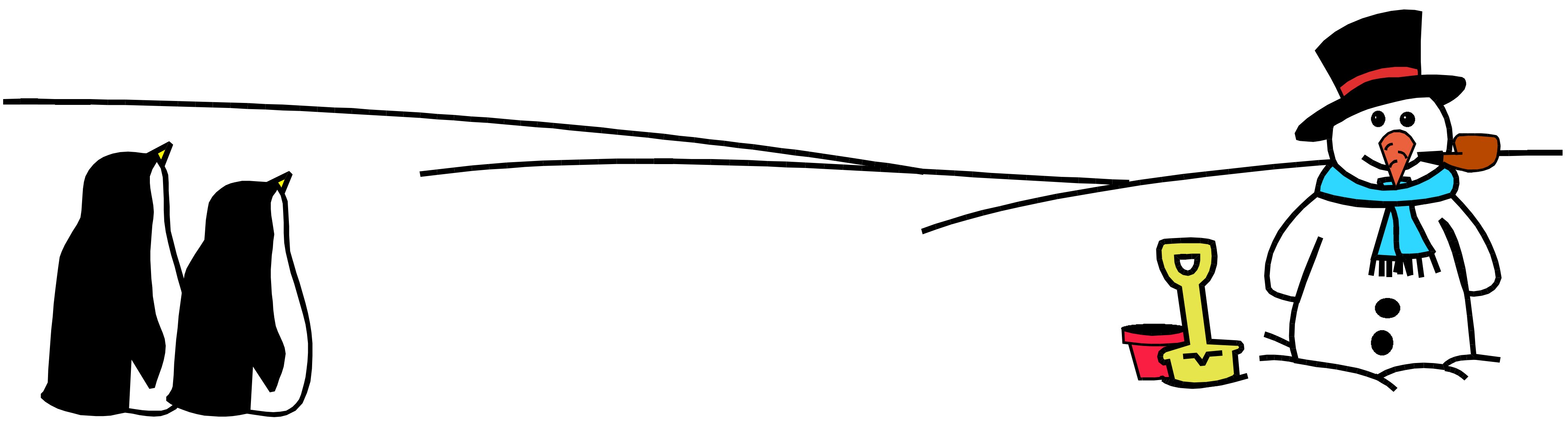


KDE Desktop Example



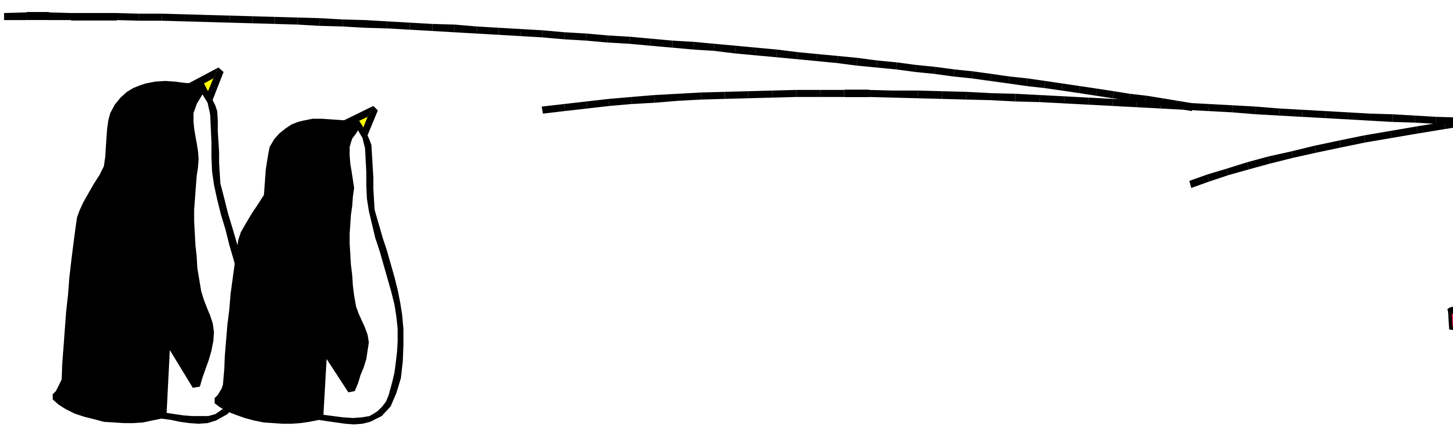
KDE Desktop Features

- *Place icons for frequently used programs, folders, printers, disks onto the "background".*
- *Background –> Right click for a context menu.*
- *Drag and drop to the trash icon...it works!*



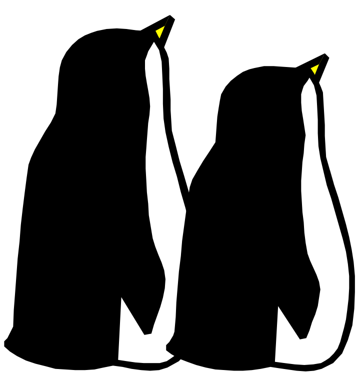
The KDE Desktop panel (kpanel)

- The panel is used to start applications
- Use the "K" icon to get a menu of apps
- Panel icons offer a shortcut for favorite apps
- Allows user to switch desktops
- Can be collapsed by clicking leftmost edge

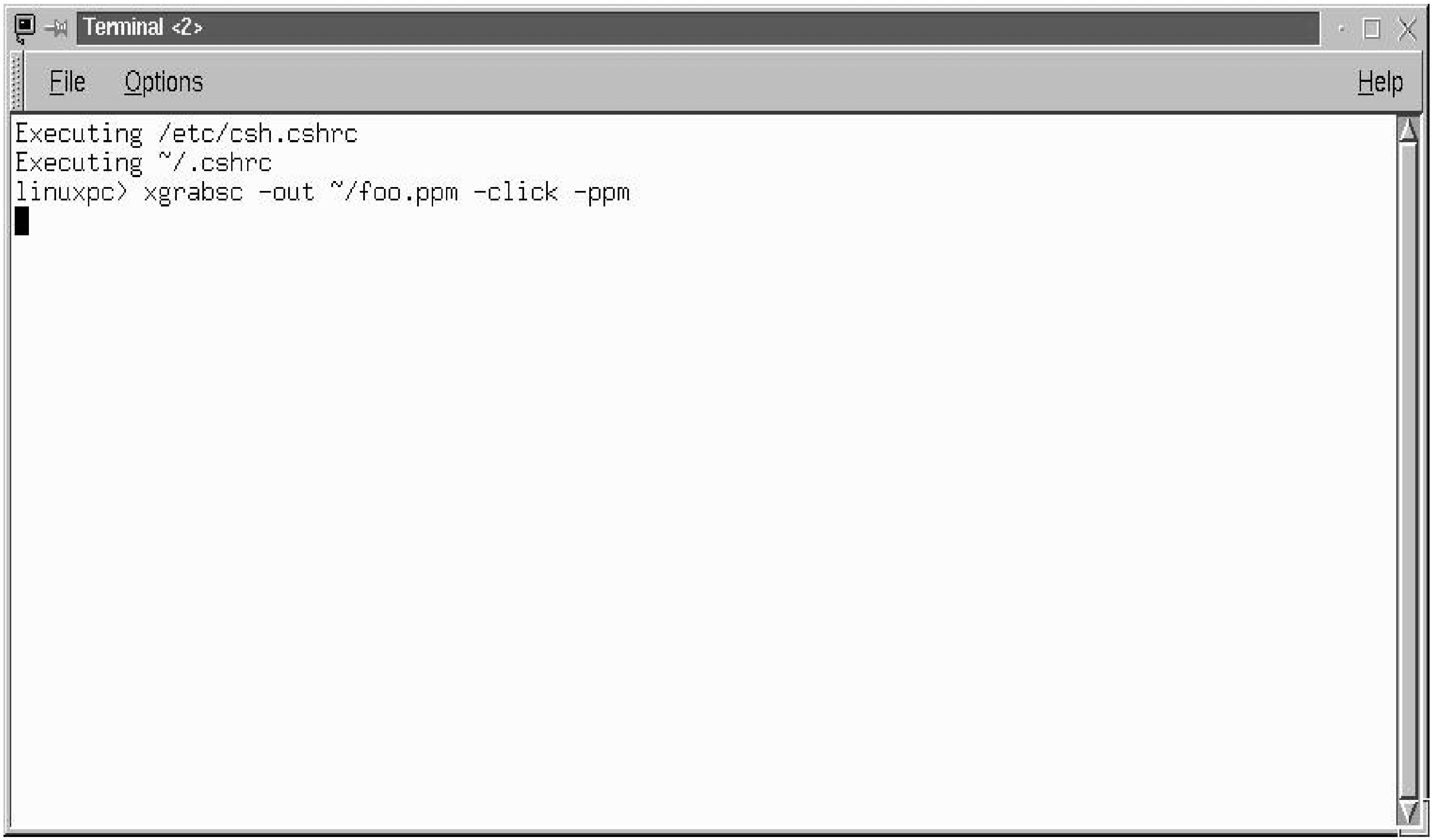


More kpanel features

- Note the screen lock and exit icons
- Access built in help:
  - Consistent interface to man pages, info, and KDE online docs
- Date and time displayed in right corner
- K –> Utilities –> terminal if you like command line interface.

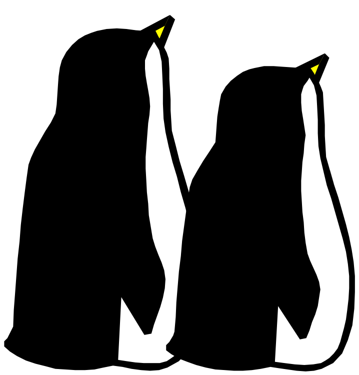


KDE Terminal Window (kvt)



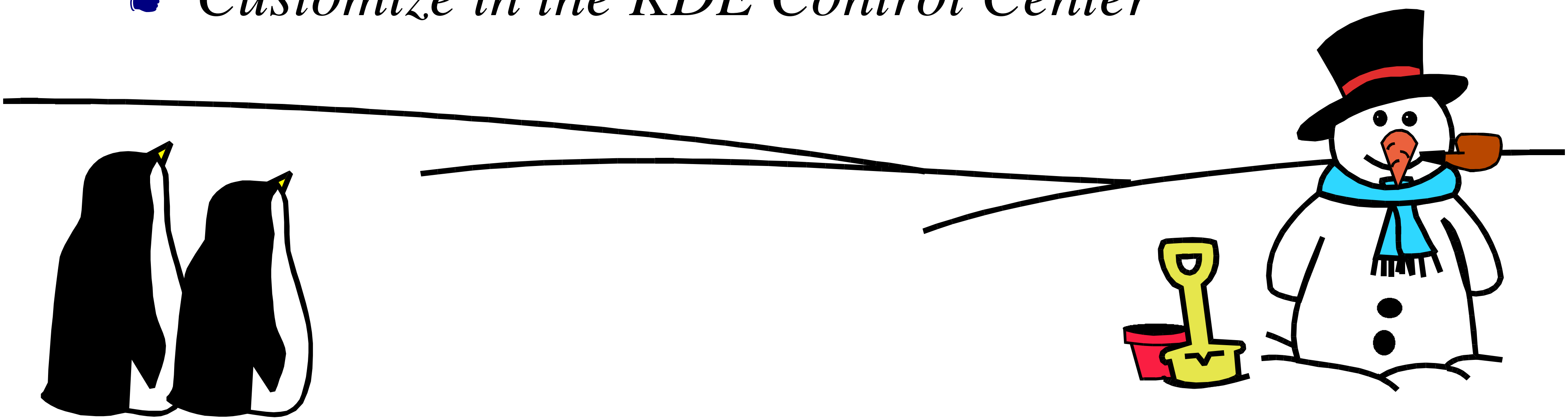
Customizing the Kpanel

- Add your own icons
  - K –> Panel –> Add apps –> your_app
  - Voila! The icon has been added.
- Right click the icon to get a context menu
- More customizations can be performed from the KDE control center.



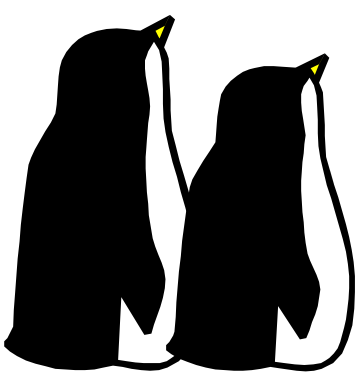
The KDE Desktop taskbar

- All running programs are shown in the taskbar.
- Jump quickly to an app by clicking its icon on the taskbar – regardless of which desktop!
- Right click a taskbar icon to get a context menu.
- Customize in the KDE Control Center

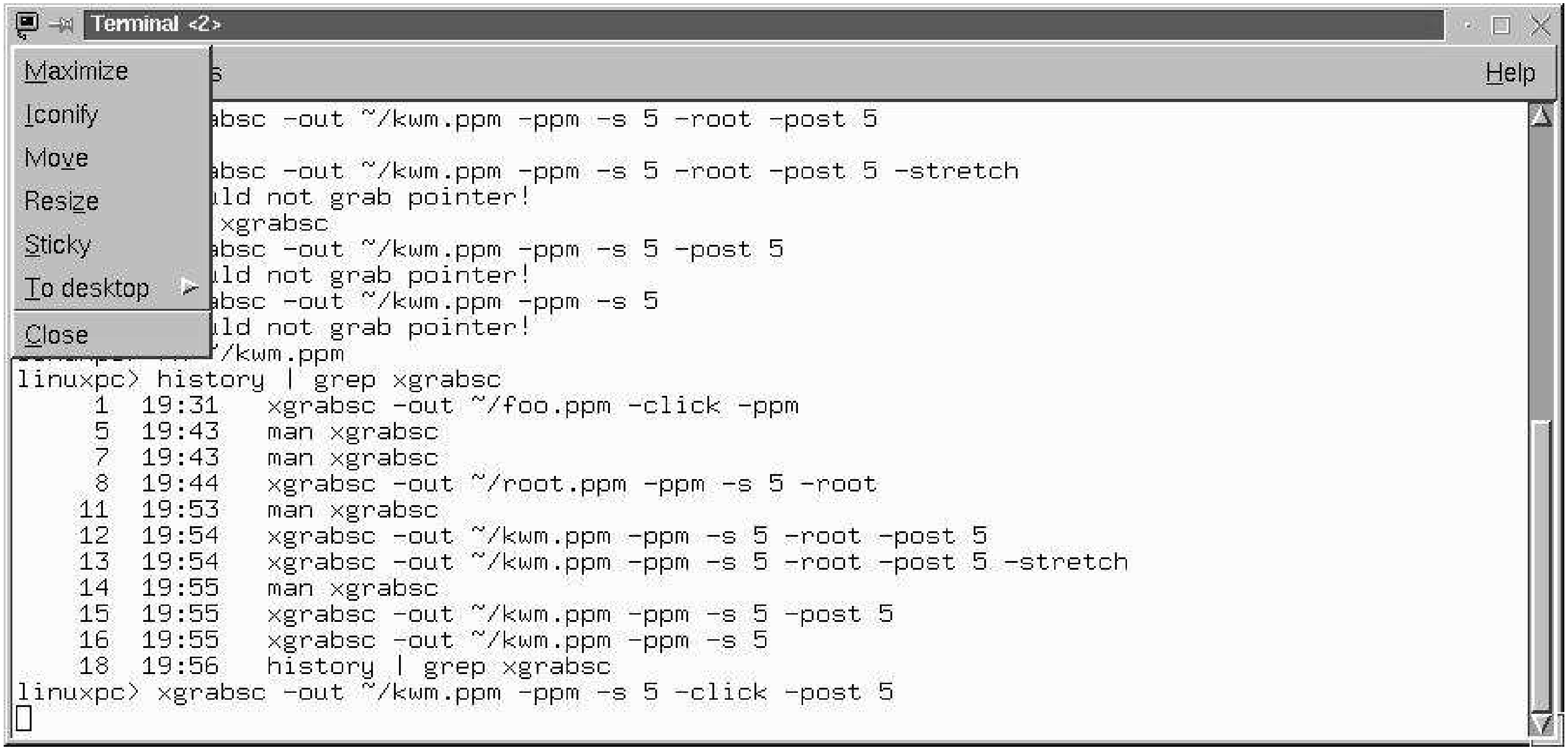


KDE Window Manager

- Allows the user to manipulate windows
  - iconify
  - resize
  - move
  - close
  - sticky window
  - switch window
  - right click top left icon for a context menu
  - move to new desktop

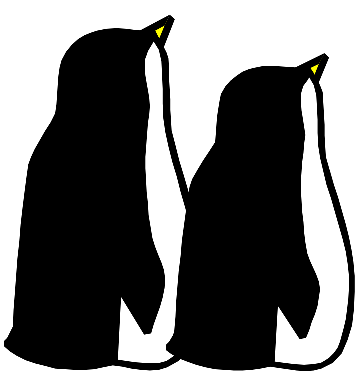


KDE Window Manager Example

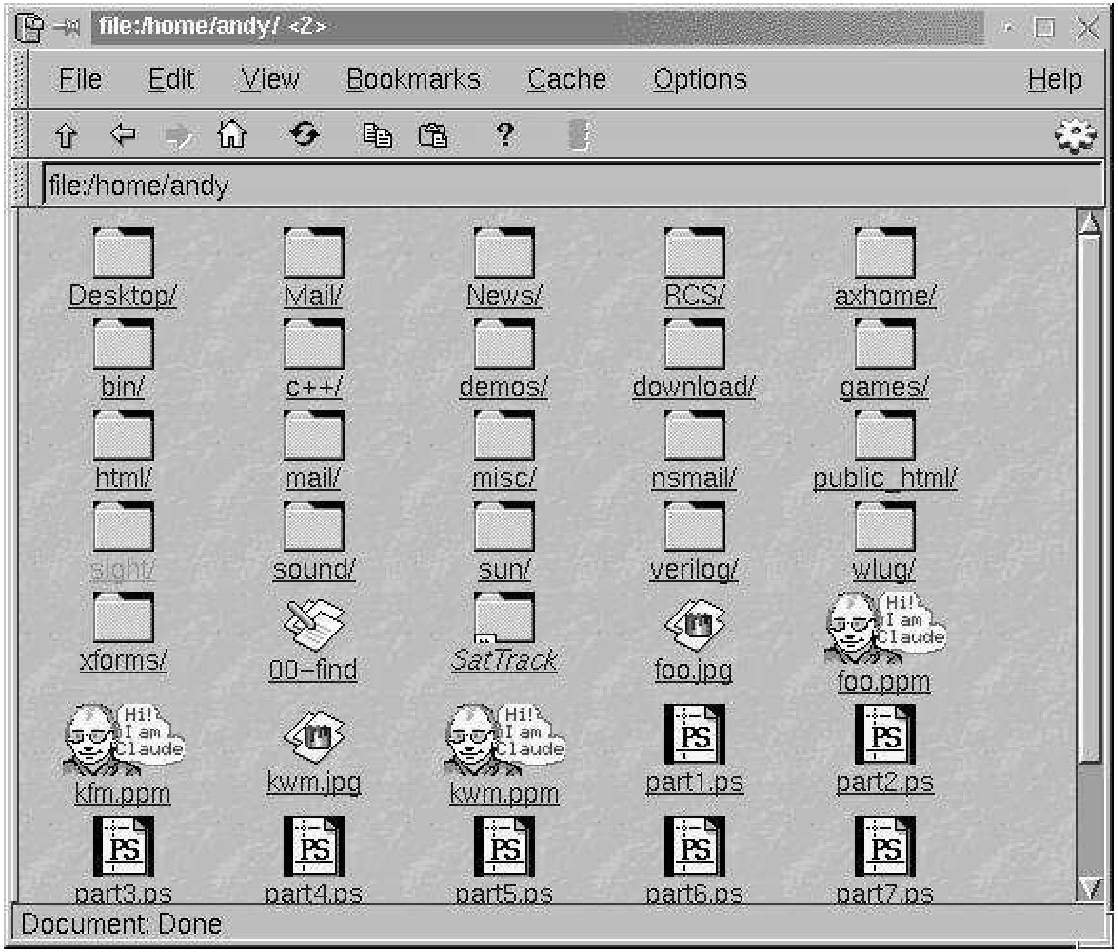


KDE file manager (kfm)

- Open the file manager and notice:
  - Folders (for directories)
  - Programs
  - Text files
  - Postscript files
  - etc...

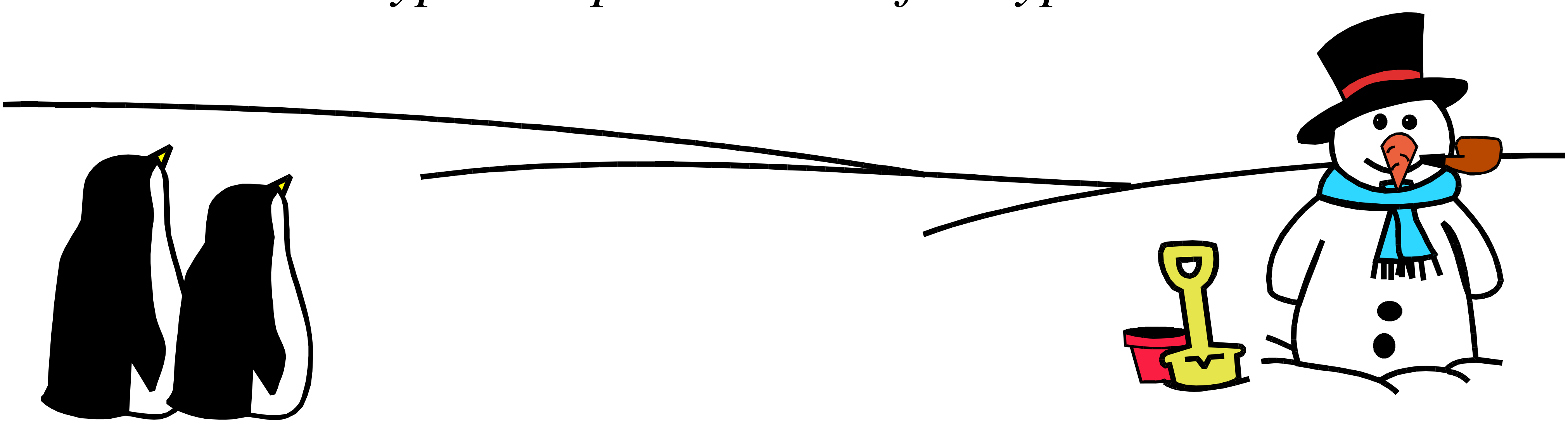


KDE File Manager Example



KDE File Manager features

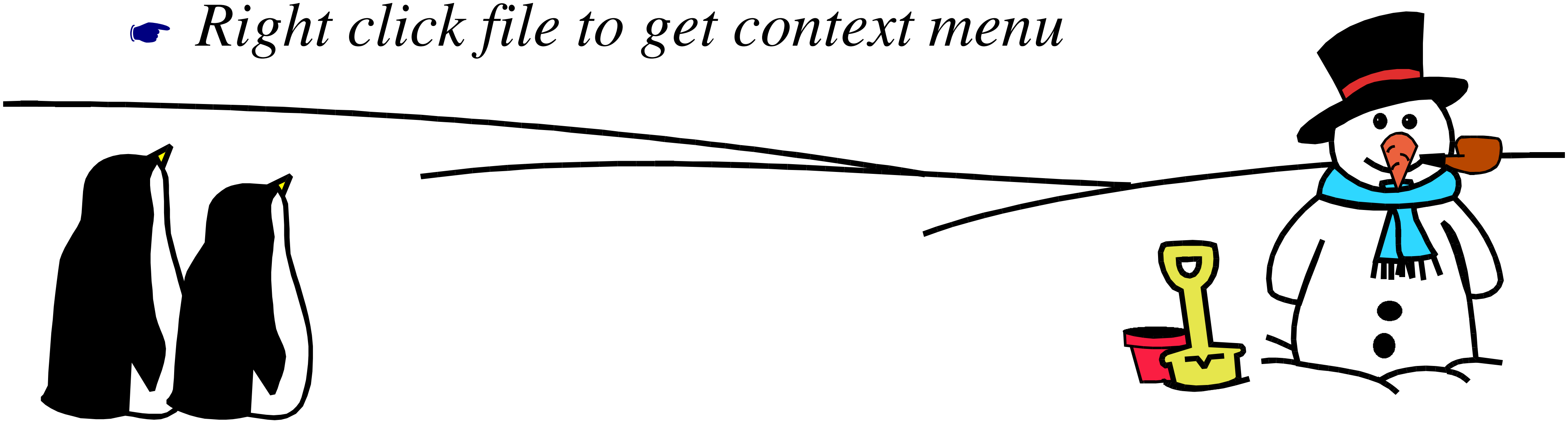
- *Single click an icon, the "right thing" happens*
  - *Folders –> jumps into that folder*
  - *Programs –> the program executes*
  - *Text –> text editor appears*
- *MIME types maps action to file type*



Kfm Example #2

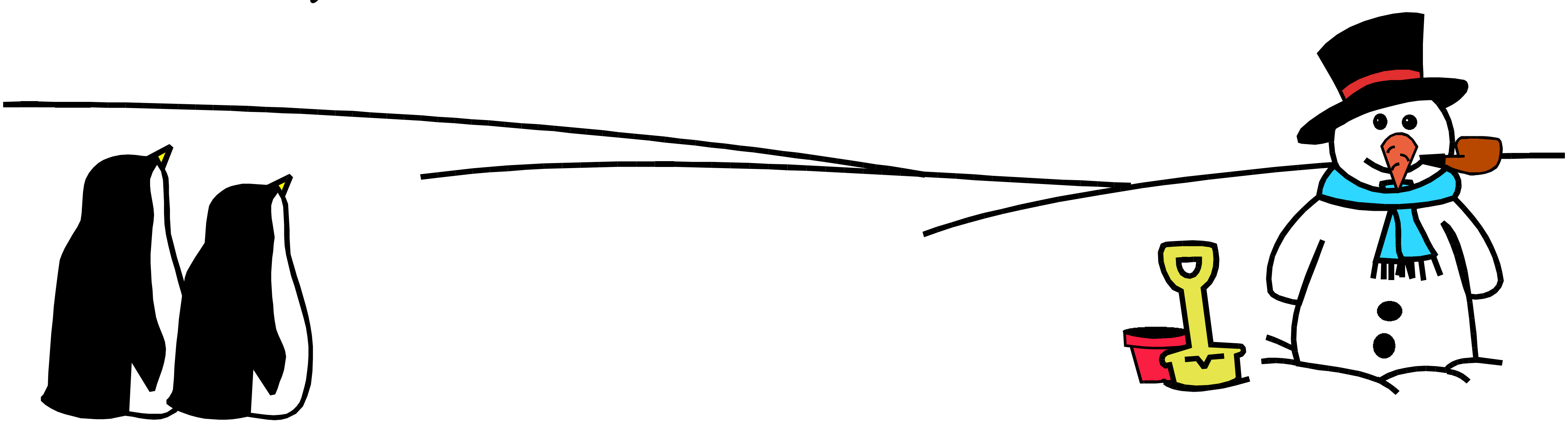
More KDE file manager features

- Bring up two file manager windows
- Drag and drop files from one folder to another
- kfm also acts as a web browser
- Drag network files to local hard drive
- Right click file to get context menu

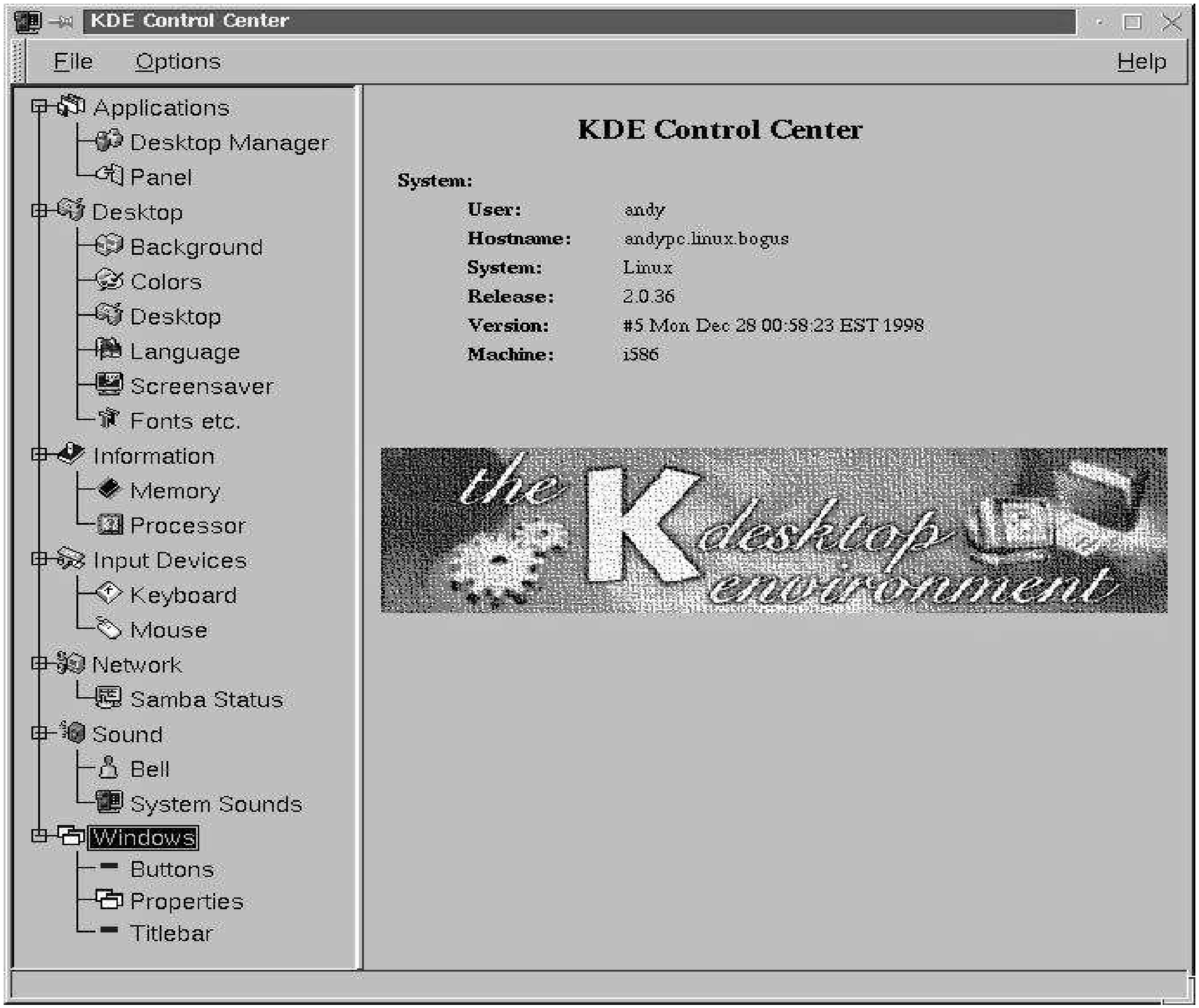


KDE Control Center

- Allows the user to customize KDE features
  - Applications
  - Desktop
  - System Info
  - Keyboard and mouse
  - Network
  - Sound
  - Windows

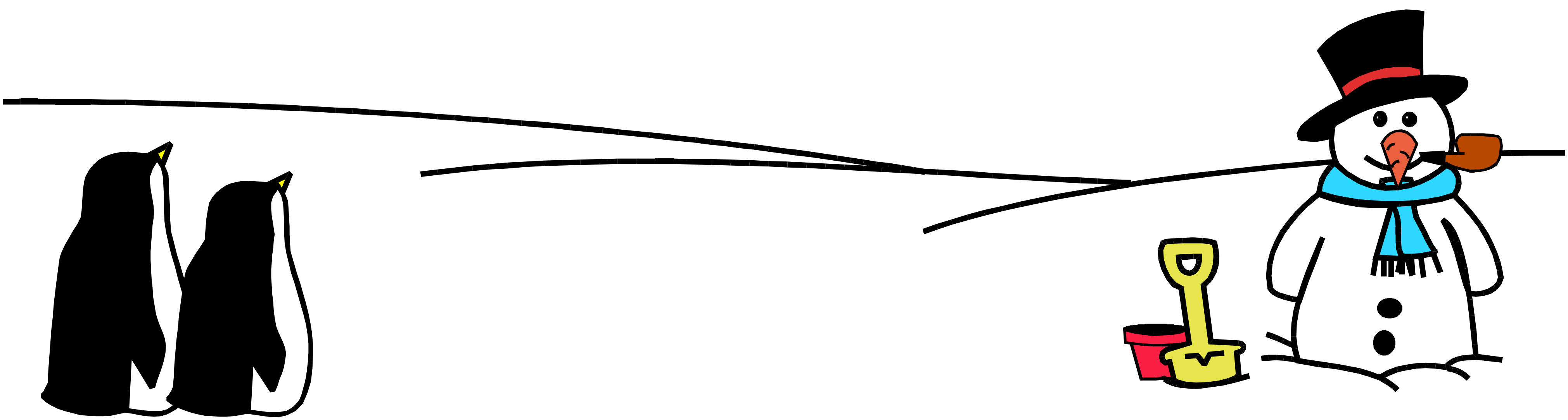


Kcontrol Example



Logging out

- Kpanel "exit" icon logs out the user
  - Desktop state is saved for next time
- Kpanel "lock" icon locks screen



References

- The KDE FAQ: http://www.kde.org
- KDE built–in help: kdehelp
- Troll Tech (Qt) website: http://www.troll.no
- GNU Public License: http://www.gnu.org