Virtual Magnifying Glass
Source Code

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About Virtual Magnifying Glass

Virtual Magnifying Glass is designed for visually-impaired and others who need to magnify a part of the screen. Unlike most similar programs it does not open a separate window for the magnification but instead puts a movable magnifying glass on screen.

This software is the multiplatform version of Virtual Magnigying Glass. This release is experimental and any feedback you can give us about it will be greatly appreciated and can greatly enhance the quality of the software. You can give us feedback on our source-forge page: http://sourceforge.net/projects/magnifier

The currently supported platforms are:

- Windows (2000 or superior)
- Linux, distribution independent
- FreeBSD
- Mac OS X

Planned platforms are:

- Pocket PC with Windows CE

Licence

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Please note that the General Public License version 2 does not permit incorporating Virtual Magnifying Glass into proprietary programs.

Compiling the software

This program is written in Object Pascal, or object-oriented pascal. Pascal is a strong-typed, structured programming language.

This source code can be compiled either using Lazarus, a RAD IDE for the Free Pascal Compiler, or using Borland Delphi.

Windows

The software compiles well with both Borland Delphi 5 and 7, and perhaps other versions too. If you experience trouble compiling with Borland Delphi 5 it may be due to the Unix line-endings utilized. You can fix this by running the unix2dos GNU software on the .pas files. This software is available on many platforms, including Windows. No special configurations are required to compile the project.

To compile the project with Lazarus you will need a very recent Lazarus (version 0.9.29 rev25661 or newer).

After this is ready, just open the .lpi project file and compile.

Linux

On Linux you will need a very recend Lazarus (version 0.9.29 rev25661 or newer).

Mac OS X

On Mac OS X you will need a very recend Lazarus (version 0.9.29 rev25661 or newer).

Description of the files

Source code:

This files contain pascal code for the Virtual Magnifying Glass.

app.pas
glass.pas
magnifier.dpr
appsettings.pas
constants.pas
app.dfm
systray.pas

Build and Install scripts:

Script files to easely compile and install the software.

Makefile
install.sh   ---- Installs necessary files to run the magnifier under Linux, FreeBSD
make.sh   ---- Builds the magnifier
clean.sh   ---- Removes all files generated when building the magnifier

Resource files:

This files are used for generating the .res resource file used by the program on Windows. Some of them are used on *nix by the software and others do nothing on this platform.

bottom.bmp
bottomleft.bmp
bottomright.bmp
left.bmp
right.bmp
top.bmp
topleft.bmp
topright.bmp
compile with windres.bat
compile with brcc32.bat
resource.h
icon1.ico
icon2.ico
icon3.ico
lente.res
magnifier.lrs
magnifier.rc

Package scripts:

Under the "build" directory you can find build scripts capable of generating redistributable packages for the users.

```
build/
      build_package.sh              ----  Generates .tar.bz2 packages, RPM Packages,
                                          DEB Packages and Source Zip packages
      magnifier.spec                ----  RPM spec file. Use Emacs to build a RPM from it.
```

Documentation:

Under the "docs" directory you can find manuals on various languages and for various operating systems.

```
docs/
      README-EN.pdf
      README-EN.rtf
      README-PT.pdf
      README-PT.rtf
```

Authors

- Chris O'Donnell
Felipe Monteiro de Carvalho
Harri Pyy