

Change Log

Version 0.96.4

- Extended the file panel plugin interface by model acquisition functionality and made use of that for the image file models. In particular, this allows many more image file types for the bookmark icons.
- Implemented saving of BMP, JPEG, PNG, PNM, TGA, TIFF, and XPM files (for use in future applications).
- Added a JSON parser library namely emJson (also for use in future applications).
- Accelerated some archive operations on multi-core CPUs by using pigz instead of gzip, and 7z instead of zip and unzip.
- Removed the emPs plugin as it is not adaptable to newer Ghostscript versions. Instead, ps files are shown with temporary conversion now.
- Migrated PDF viewer from GTK2 to GTK3.
- Minor API improvements and fixes.

Version 0.96.3

- Reworked and released the Open Street Map viewer.
- Adapted to new OS versions.
- Added new API classes: emJob, emJobQueue, emOwnPtr, emOwnArrayPtr, emOwnPtrArray, and emRefPtrTarget.
- Minor fixes.

Version 0.96.2

- Fixed character encoding of PDF selection on non-UTF-8 systems.
- Fixed occasional segmentation fault in PDF viewer.
- Allowed to open URLs in PDF documents.
- Released the HMI demo.
- Minor fixes.

Version 0.96.1

- Added select and copy functions to the plain text viewer.
- Added select and copy functions to the PDF viewer.

Version 0.96.0

- Added emStocks - a plugin for stock watchlists.
- Added undo/redo functions to editable text fields.
- Extended the graphics API to paint Bezier curves, arrows, and dashes.
- Added support for showing ICO files which are PNG compressed.
- Revised the emListBox API: Now the items have names.
- Minor fixes.

Version 0.95.2

- Fixed DPI scaling on Windows.
- Fixed changing of only letter case when renaming files on Windows.
- Fixed useless re-rendering in emPdf.
- Allowed to trigger radio boxes and check boxes by clicking on the text.
- Adjusted some dialog sizes as well as click and expansion size thresholds to modern screen resolutions.
- Updated emLKC to kernel 5.
- Minor fixes.

Version 0.95.1

- Added a viewer for WebP image files.
- Fixed focus problems with XWayland.
- Minor fixes.

Version 0.95.0

- Added some interpolation algorithms for the zooming into photos, videos, icons and other images. Now the user can choose (in the preferences) from: Area Sampling, Bilinear, Bicubic, Lanczos, and Adaptive.
- Accelerated graphics display by making use of the AVX2 CPU extension.
- Extended the graphics API by a texture class which allows more flexible filling of figures with colors and images.
- Ported the audio/video player to Windows, based on the VLC library.
- Switched from Xine to VLC also for other OSes because some tests showed that VLC is more crash-resistant against randomly corrupted files and thereby most likely more secure.
- Ported the archive viewer to Windows.
- Completely removed support for outdated archive file formats to improve security and simplify maintenance: Goodbye to arc, arj, lha, rar, and zoo.
- Minor fixes and improvements.

Version 0.94.2

- Fixed some security issues concerning the reading of corrupt image files.
- Fixed keyboard focus loss after dialog closing in certain situations on X11.
- Minor fixes.

Version 0.94.1

- Improved video performance on multi-core CPUs a little.
- Prohibited starting up after failure in creating initial bookmarks.
- Reviewed and improved various details concerning protection against unwanted file system changes.
- Colorized file manager command execution messages on Windows 10.

Version 0.94.0

- Extended the internal font, mainly by Cyrillic and Greek characters.

- Improved character code page support.
- Added Clang support (compile command: `perl make.pl build compiler=clang`).
- Minor fixes.

Version 0.93.2

- Ported PDF, SVG, and PS viewers to Windows.
- Minor fixes.

Version 0.93.1

- Adapted minimally to new OS versions.
- Ported time zones feature to Windows.

Version 0.93.0

- Added autoplay function: Slideshow of picture files and playback of multiple audio/video files.
- Minor fixes.

Version 0.92.0

- Parallelized painting for improved graphics performance on multi-core CPUs.
- Changed many virtual API methods to "const" (required for the above point, compiling old user code may fail, sorry, please adapt)
- Minor fixes.

Version 0.91.0

- Fixed behavior on virtual desktops with multiple monitors.
- Added saving and restoring of window geometry.
- On X11, the fullscreen mode now goes via the window manager instead of switching to override-redirect mode.
- On Windows, in the virtual cosmos, replaced all the static disk drive items and the home dir item by a single file system item which dynamically lists all available drives.
- Minor fixes.

Version 0.90.0

- Added lots of icons to the control panel and gave it a new layout.
- Reworked the graphic design of the toolkit elements (buttons, etc.).
- Added new file manager themes: Glass, Card/*, and Night. Removed the Cloud theme.
- Minor improvements and fixes.
- *(For making the new graphics in this version, I learned and used Blender 2.76. Great tool!)*

Version 0.89.2

- Added API class `emAvlTreeSet`.
- Moved `emAvlTreeMap` into an own header file.
- Fixed the `StrictRaster` option of `emRasterLayout`.

- Fixed configuration loading for minimum forward compatibility with the upcoming "design" version 0.90.0 (running <=0.89.1 after running 0.90.0 may crash).
- Minor fixes.

Version 0.89.1

- Fixed shortcuts for Windows systems where wsf files are not associated with wscript.
- Multi-user installation of start menu and desktop icons on Windows.
- Improved resolution of built-in font.
- Minor fixes.

Version 0.89.0

- Added new API classes: emListBox, emFileSelectionBox, emFileDialog, and emAnything.
- Removed method emPanel::EnableAutoExpansion() (it's always "enabled" now).
- Minor fixes and improvements.

Version 0.88.0

- Replaced API class emTiling by more specialized classes: emLinearLayout, emRasterLayout, and emPackLayout.
- Accordingly replaced emGroup by emLinearGroup, emRasterGroup, and emPackGroup.
- Fixed cropping of video frames.
- Fixed launch feedback.
- Improved input processing on slow machines.
- Minor fixes.

Version 0.87.0

- Bug fix: The view often zoomed away unexpectedly from alternative file content panels (since version 0.86.0).
- Reorganized the toolkit classes, renamed all "emTk*" to "em*".
- Minor fixes.

Version 0.86.0

- Added kinetic effects (inertia and friction) to zooming and scrolling by mouse and keyboard.
- Added a magnetism which zooms and scrolls automatically for showing a content full-sized. (It gets active after zooming or scrolling by mouse, when a content is not too far from being shown full-sized.)
- Added an acceleration effect to zooming by mouse wheel.
- Added animations for logical position changes by keys and bookmarks.
- Adapted emLKC to kernel 3.16 and higher.
- Minor fixes and improvements.

Version 0.85.0

- Fixed some bugs of the PDF viewer.
- Adapted to Debian 7.
- Adapted to xine-lib 1.2x.

- Minor fixes.

Version 0.84.0

- Fixed keyboard inquiry with some X input methods.
- Fixed occasional delay of starting to play audio and video files.
- Adjusted emLKC to kernel 3.1.1 and higher.
- Made the user configuration directory configurable with the environment variable EM_USER_CONFIG_DIR.
- Minor fixes.

Version 0.83.0

- Added a better PDF viewer (but not on Windows).
- Minor fixes.

Version 0.82.0

- Added auto mark option to emNetwalk.
- Made audio and video player more persistent.
- Added support for large files on most 32-bit systems.
- Fixed crash on Windows.
- Fixed failing of file manager commands by extended file name characters on Windows.
- Worked around failure of select function on OpenSolaris.
- Minor fixes.

Version 0.81.0

- Added UTF-16 support to the plain text file viewer.
- Removed color space reduction from graphics functions.
- Changed the colors of control panels and dialogs.
- Added a theme interface and some themes for directory entry panels.
- Added an autosave function for the file manager view settings.
- Added display of a wait cursor while main thread is blocked.
- Extended emTreeDump by attributes for commands and files.
- Minor fixes and improvements.

Version 0.80.0

- Added the Dig Mode option to emNetwalk. It makes the game more difficult.
- Redesigned the graphics of emNetwalk.

Version 0.79.0

- Added another puzzle game: emNetwalk
- Minor fixes.

Version 0.78.0

- Added a better SVG image file viewer (but not on Windows).
- Added support for new archive file types: lzma, xz, tar.lzma, tar.xz.
- Minor fixes.

Version 0.77.0

- Added document: Advanced Configuration
- Added document: C++ API Tutorial
- Added document: C++ API Reference
- Added document: Make System
- Fixed a temp file leak on Windows.
- Minor fixes and improvements.

Version 0.76.0

- Added file manager commands for Windows.
- Added cosmos and plugin configurations for Windows.
- Extended the make system by a pack command for creating installation packages (deb, rpm, setup.exe...).
- Video player: hide mouse pointer and disable screensaver.
- Minor fixes and improvements.

Version 0.75.1

- Implemented the freedesktop.org startup notification protocol (client side).
- Fixed some minor bugs.

Version 0.75.0

- Added emLKC which is a Linux Kernel Configurator based on Eagle Mode (see \$EM_DIR/res/emLKC/README or find it in the virtual cosmos).

Version 0.74.0

- Made the built-in font extensible (see \$EM_DIR/res/emCore/font/README).
- Added some more characters to the built-in font, mainly Latin ones.

Version 0.73.0

- Extended emCore by a programming interface for multi-threading.
- Made all functions and classes thread-reentrant.

Version 0.72.1

- Adapted to Mac OS X 10.5.

Version 0.72.0

- Removed dependencies from libXext, libXxf86vm, and their header files, in order to make the installation easier. The shared libraries of these are now accessed dynamically at run-time when available.
- Added support for creating and viewing ISO files.
- Improved the loading of configurations, so that it is allowed that the user copies certain directories from host config to user config in order to modify them there.
- Rewrote unicc. Now it's a framework with plugin modules, it got support for parallel compilation, and it got able to handle Windows resource files.
- Minor fixes and improvements.

Version 0.71.0

- Added full multi-line support to class emTkTextField, so that the unfinished class emTkMlTextField could be removed now.
- Added simple keyboard control to class emTkScalarField.
- Minor fixes.

Version 0.70.1

- Workaround for the problem that Eagle Mode sometimes exited with "FATAL ERROR: XGrabKeyboard failed" when running on Compiz Fusion.
- Minor bug fixes.

Version 0.70.0

- First stable release.