

# Change Log

## 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- Completely removed support for outdated archive file formats to improve security and simplify maintenance: Goodbye to arc, arj, lha, rar, and zoo.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 emTkMITextField 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.