Adding New File Formats to DevIL

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Adding the .c or .cpp File

Make sure that the new .c or .cpp file is added to the Subversion repository using the *svn add* command.

Microsoft Visual C++

The .c or .cpp file must be added to the Microsoft Visual C++ 9 projects *src-IL/projects/msvc9/ImageLib Unicode.sln* and *src-IL/projects/msvc9/ImageLib.sln*. The file must also be added to the MSVC++ 8 projects *src-IL/projects/msvc8/ImageLib Unicode.sln* and *src-IL/projects/msvc8/ImageLib.sln*.

Linux, Cygwin and Mac OS X

For the Linux/Cygwin/Mac OS X makefile system, add the filename to the libIL_la_SOURCES line of lib/Makefile.am.

configure.ac

Add the format to configure.ac around line 320, with a description.

il.h

Add the appropriate IL_XXX define to il.h (around line 240). Make sure to include a commented description in Doxygen format.

il_internal.h

Add the function declarations to il_internal.h around line 224.

il_io.c

Validation

If **ilIsValid*** functions are created for the new format, the function calls must be implemented in **ilDetermineTypeF**, **ilDetermineTypeL**, **ilIsValid**, **ilIsValidF** and **ilIsValidL**.

Loading

The first thing that needs to be added is checks for the extensions in **ilTypeFromExt**.

Next add the appropriate function calls to **ilLoad**, **ilLoadF**, **ilLoadL** and **ilLoadImage**. Make sure to put the IL_XXX define in the Doxygen comment before the function!

Saving

Add the function calls to **ilSave**, **ilSaveF**, **ilSaveL** and **ilSaveImage**. Make sure to put the IL_XXX define in the Doxygen comment before the function!

Website

Add to the list of types the DevIL can load on the About page and the Features page.

Summary of Changes to Make

- Run *svn ci*.
- Add to MSVC++ 8 projects.
- Add to MSVC++ 9 projects.
- Add to lib/Makefile.am sources line.
- Add to configure.ac with description.
- Add IL_XXX to il.h.
- Add function declarations to il_internal.h.
- Add validation functions if they exist.
- For loading functions:
  - **ilTypeFromExt**
  - **ilLoad**, **ilLoadF**, **ilLoadL** and **ilLoadImage**
  - Add Doxygen comments to **ilLoad**, **ilLoadF**, **ilLoadL** and **ilLoadImage**.
- For saving functions:
  - **ilSave**, **ilSaveF**, **ilSaveL** and **ilSaveImage**
  - Add Doxygen comments to **ilSave**, **ilSaveF**, **ilSaveL** and **ilSaveImage**.
- Add to website (about and features pages).