

Exiv2 v0.25

Release Date Target: November 2014

Key Features

- GSoC2013 Video Write Support
- GSoC2013 Web Ready http(s), ftp(s), ssh
- Many additional cameras and accessories
- More build platforms (CMake, MinGW, Cygwin64)
- New/improved options for utility 'exiv2'
- Jenkins Build Server
- Bug fixes

Contributors in alphabetic order

- Andreas Project Lead, Release Engineering
- Abhinav Video Read Engineer
- Mahesh Video Write Engineer
- Nehal Build Engineer
- Niels MakerNote Engineer
- Robin Build Lead, GSoC13 integration to trunk
- Shawn Release Engineer
- Tuan Web Ready Engineer

Schedule

- July and August:
Andreas
Shawn and Nehal
Robin

Tuan and Mahesh
Niels

Release Engineering
Get on board
Video Write (July)
Web Ready (August)
Support Robin
School Vacation
- September/October
Tuan, Mahesh and Abhinav
Robin and Nehal
Shawn and Andreas
Niels

Testing
Jenkins Build Server
Release
Makernote Support
- November

Ship

Build and Test Matrix

Platform	32 bit static Native CMake		32 bit shared Native CMake		64 bit static Native Cmake		64 shared Native CMake	
Linux U14.04	✓	✓	✓	✓	✓	✓	✓	✓
MacOS X 10.9					✓	✓	✓	✓
<i>Windows</i>	<i>XP/32</i>		<i>Vista/64</i>		<i>Windows7/64</i>		<i>Windows8/64</i>	
MinGW	✓	✓	✓	✓	✓	✓	✓	✓
Cygwin	✓	✓	✓	✓	✓	✓	✓	✓
MSVC 2003	✓		✓					
MSVC 2005	✓	✓	✓	✓	✓	✓	✓	
MSVC 2008	✓	✓	✓	✓	✓	✓	✓	✓
MSVC 2010	✓	✓	✓	✓	✓	✓	✓	✓
MSVC 2012	✓	✓	✓	✓	✓	✓	✓	✓
MSVC 2013	Not supported		Until 2015					

Challenges

- Everybody's busy with work and life !
- Access to commercial tools (Mac and MSVC)
- The build matrix is growing (and groaning)
- The build will be more complex for Web Ready
- The usual open-source challenges:
 - language, -distance, -isolation, -time-zones
- No easy solution other than “yes we can” attitude

User Requests

- Update XMPsdk to Adobe's current public offering
- iOS , Android and winCE. Better CMake Support
- Coverity Scan (Static Code Analysis)
- Fuzzing Analysis and Code Hardening
- API Management
- HDR Image and PDF Support
- Camera/Accessory 'hot updates' file
- Tag Output in Binary
- More RAW image support

Ownership Topics

Topic/Owner	Topic/Owner
Core Code/ Andreas	Build and Test/Robin and Nehal
API Management/ Andreas	CMake/Robin and Nehal
Release/ Andreas and Shawn	Jenkins/Robin and Nehal
Maker Notes/Niels	GSoC2015/Tuan
Video/ Abhinav and Mahesh	Web Ready/Tuan
Coverity Scan/Mahesh	Forum/ All

Development in 2015

- Update XMPsdk to Adobe's current public offering
- Enhanced Release Process
- New compilers: MSVC 2013, 2014, Xcode6, clang
- GSoC 2015 Project
- Camera/Accessory 'hot updates' file
- Choice 1
- Choice 2

Jenkins Build Server Demo

- Robin has this working on his MBP
- Available on Mac Mini by late September 2014.
- Accessible from the internet
- SVN commit and timer triggers
- UI on demand trigger for selected platforms
- Retains builds and build logs
- Can build, run tests and trigger Coverity Scans