



3.0.X...

3.0 numbers



• Vetinari

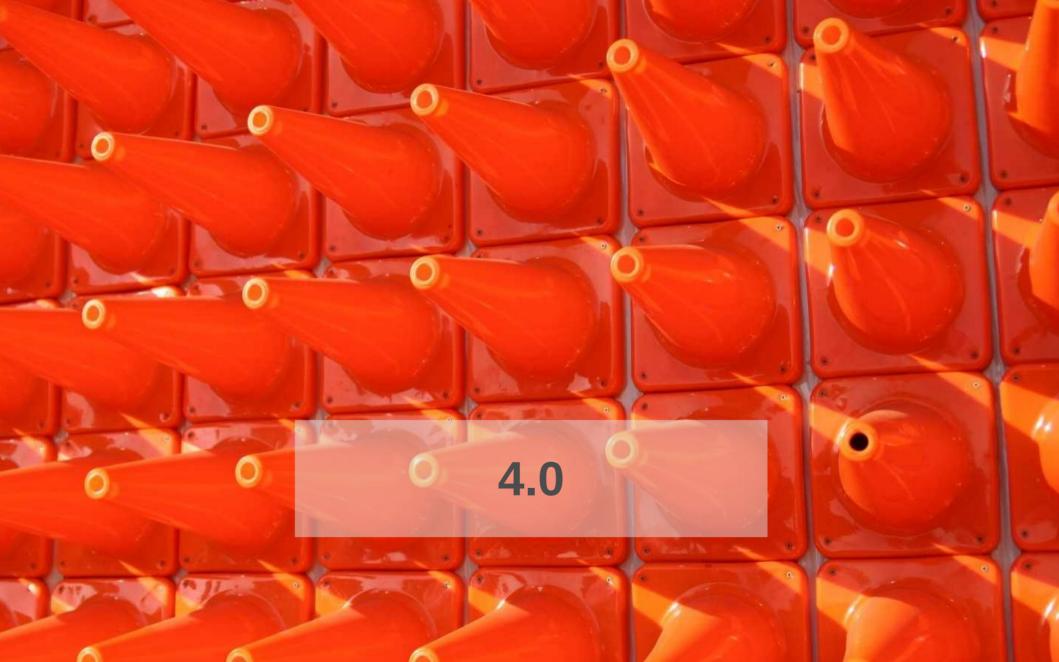
- 18000 commits
 - 3600 Android
 - 2800 WinRT
 - 2300 iOS
- A bit long to come (!)
- One **very** strong release
- Focus on Mobile convergence, as announced, previously
- libVLC, and libVLC++, and bindings
- 1900+ bugs closed

3.0 highlights

- HW decoding on by default everywhere
- 360 video and 3D Audio
- Network shares browsing (+passwords)
- Common codebase
- 10bits / 12bits / HDR support
- Audio HDMI rework passthrough
- HTTP/2
- Lots of new formats (adaptive, subtitles)
- OpenGL and Wayland (part 1)
- New subtitle rendering stack
- Chromecast







VLC 4.0

FOSDEM 2019 promises

- New input/playlist
- Media Library
- Interface
- New video output architecture
- VR/3D
- Dropping old platforms



Otto Chriek

VLC 4.0

Otto Chriek

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- Clock
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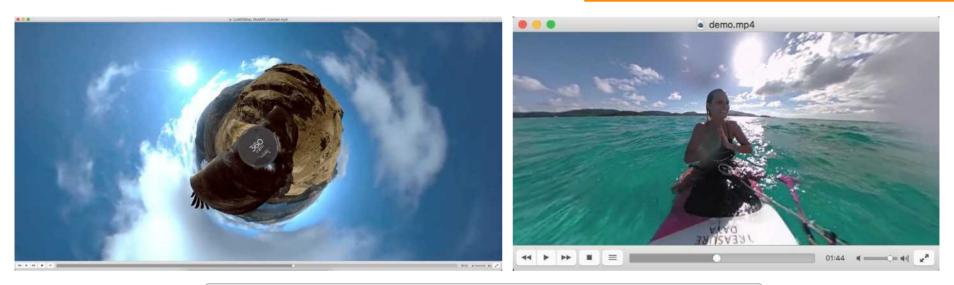
VLC 4.0

360 in 3.0

- 360 video
 - Equirectangular
 - Cubemap
- Platforms
 - OpenGL (Everywhere)
 - D3D11 (but Windows)
- 3D Audio
 - 3rd order ambisonic
 - libspatialaudio
 - Ambisonic + binaural



VLC VR







VLC VR/3D

Desktop HMD

- Vive, Oculus, PSVR, WMR
- Windows, Linux, Mac
- R-E by OpenHMD
- Mobile
 - Android, iOS?
- 3D
 - Nvidia, HDMI

- Input Manager \rightarrow Player
 - Good ongoing work (almost merged)
 - Owner of the resources
 - Privatizing numerous APIs
 - input_item, input_thread, input_*
 - libvlc_media_player & input, vlm sharing
 - libVLC and libVLCcore similarity
 - Events simplification
 - Gapless ready

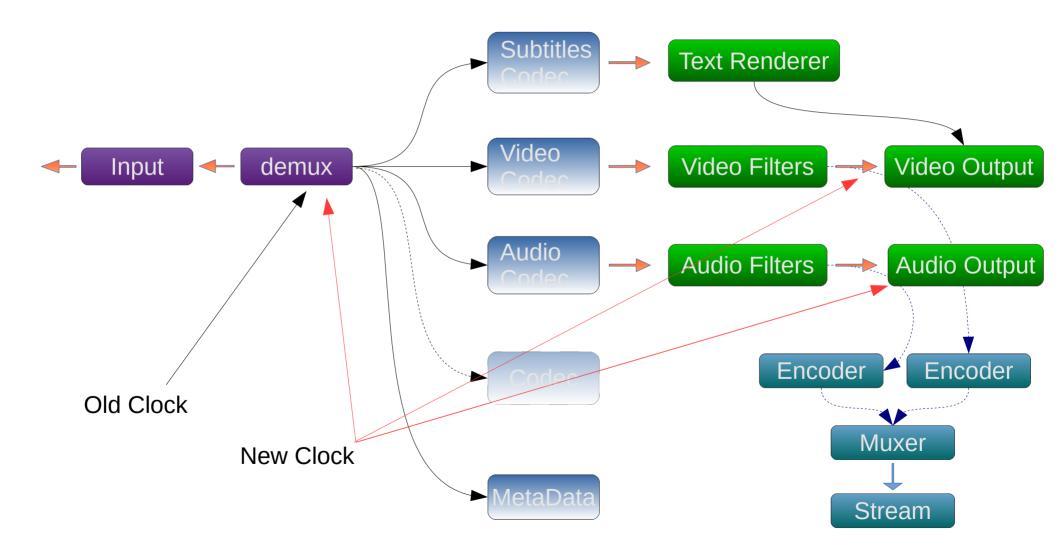
Input

- Input Manager
 - Split between playlist and input manager
 - Owner of Aout and Vout
 - Identical for playlist, vlm, libvlc_media_player
 - Gapless (!)
- Rewrite of the playlist
 - Simple (flat, fast)
 - 1 \leftrightarrow 1 relation with IM
 - Powers also libvlc and VLM

Clock

- Current Clock of VLC
 - Input-PCR controlling
- New Clock
 - Main clock
 - Monotonic clock of the CPU
 - Master clock
 - Audio, SDI, network, PCR...
 - Slave clock
 - Video, Subtitles,....

- Code
 - We understand it!
- Gains
 - Frame accuracy
 - No resampling
 - Better synchro
 - V-Sync, HMD,

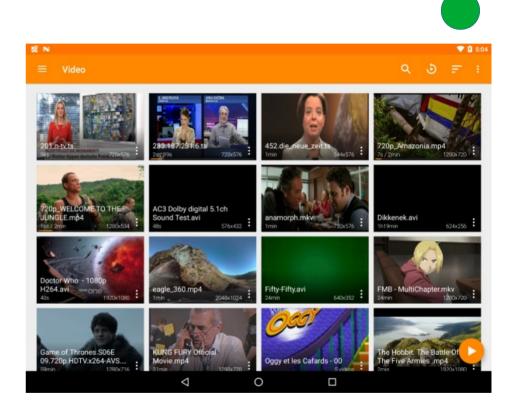


Video Output

- Video Output changes
 - push instead of pull model
 - HW are now smarter
 - Rewrite of all video outputs :-)
 - More recycling
 - Support for 3D/VR
 - More HDR
- Video Filter API
 - Finally!

Media Library

- Media Library
 - Used on Android
 - coming to the desktop & iOS
- Details
 - C++ & SQLite
 - Simple & Light
 - Audio + Video
 - Playlists
 - Distant Shares index



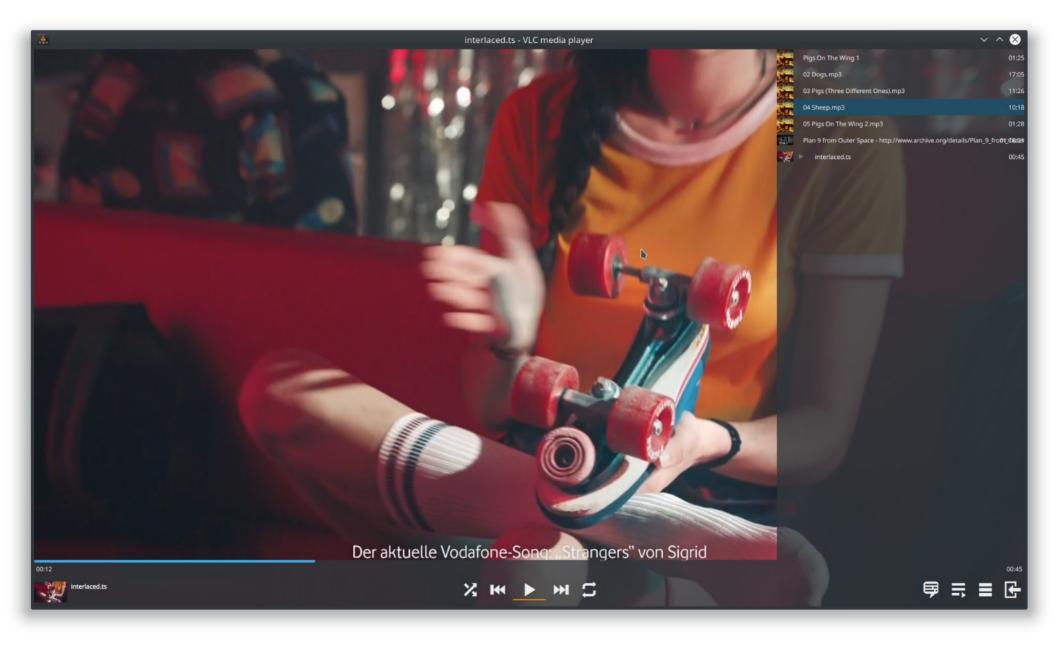
New UI

• VLC UX/UI

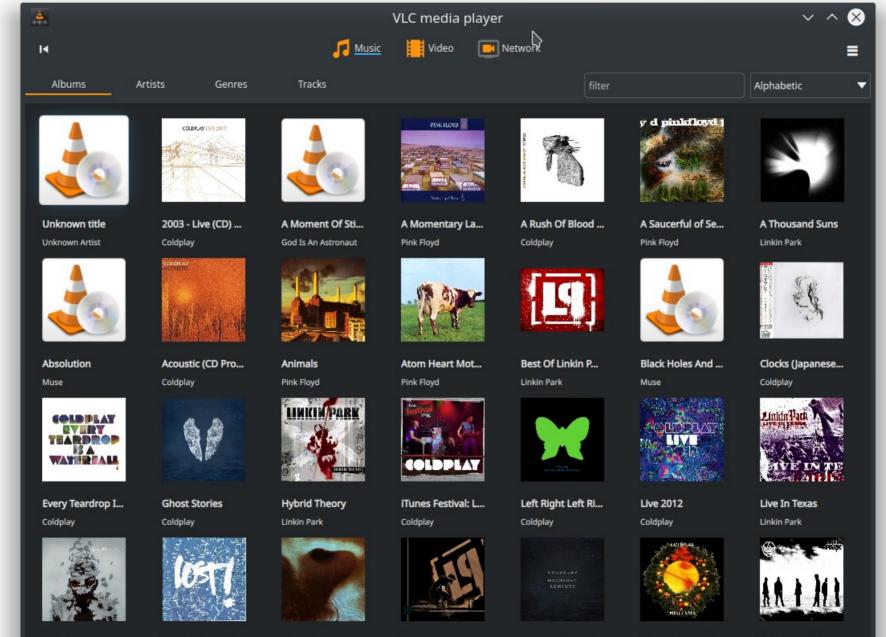
- UX OK, UI, not so much
- Gnome, KDE Plasma 5, Windows 10
- 2 main use cases
 - Play from Explorer, Nautilus, Dolphin, Finder to launch VLC
 - Open VLC to find a media
- Discussions ongoing
 - Actual screenshots







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first.mkv	first.ts	free.mkv	good.mp4	green.mkv	h264_interlaced	interlaced.ts
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KGO-HD.mkv	KGO-HD.ts	lol.mkv	lol.ts	lol2.mp4	lolilol.mkv	medusa_h264_b



Living Things

Lost! (CDr Prom...

Meddle

Meteora

Midnight (Remix...

Mince Spies (Chr...

Minutes To Midn...

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Absolution

Muse

Acoustic (CD Pro... Coldplay

Animals Pink Floyd

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Atom Heart Mot...

Pink Floyd

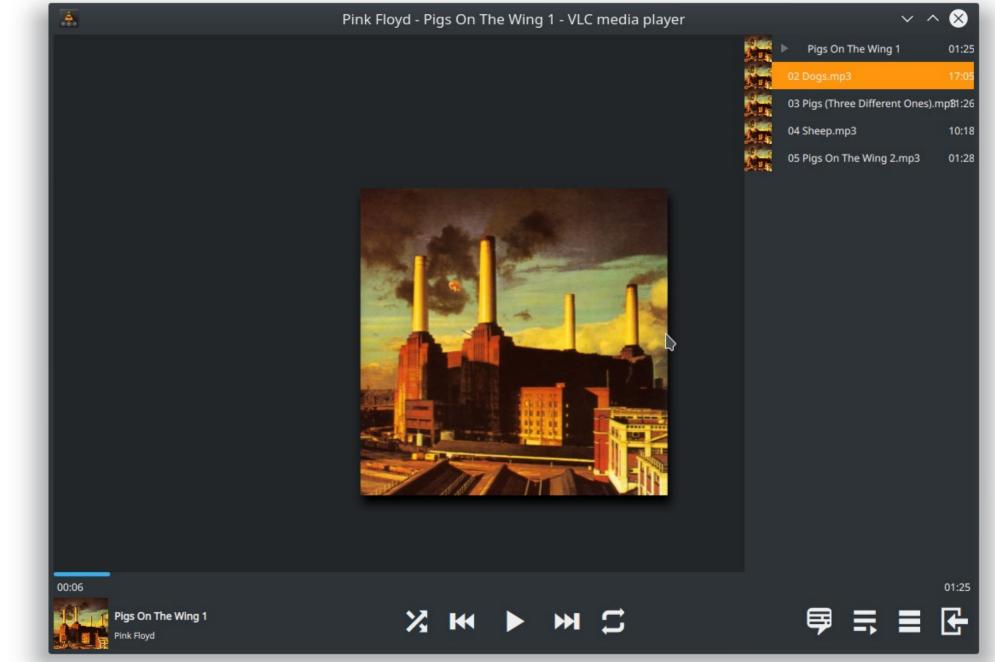
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Best Of Linkin P... Linkin Park

Black Holes And ... Muse

Clocks (Japanese... Coldplay

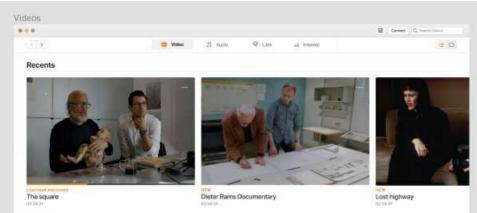
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More screaming



- Disable Media Library
 - Fast to start
- Enable the menus
- Gnome and KDE adpatations
- CSD and SSD
- Wayland & x11



Recents

Videos Miniplayer

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Dieter Rams Documentary

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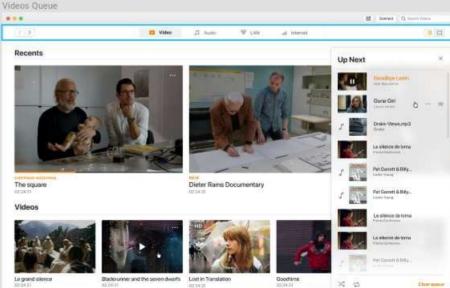
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Goodtime





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Goodtime

Spirited away



American Beauty

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Ellen (1994) - 1x03.mp4 NEW 23:26

Howls Moving Castle Trailer (English version 2... NEW 01:43





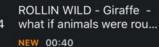
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NEW 02:13

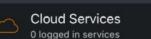


Rollin France - what if animals were round.mp4

NEW 02:13



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Downloads

Download files directly to your device

Sharing via WiFi http://172.17.17.229:8888

http://Caro.local:8888

Settings

Privacv Open in Settings

4:00

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Dark Theme Change app colors



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Generic

Passcode Lock Secure access to your content



Optimize item names for display



Network Caching Level Normal

Default playback speed 1.00x

Continue audio playback Always

Play video in fullscreen



Continue video playback Always

Automatically play next item

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Pol





- More Features
 - Wayland actually working
 - UPnP Rendering, AirPlay output, like ChromeCast
 - HEIF, Dash/Webm, TTML images, AV1 encoding, WebVTT encoding
 - SDI as stream output
 - SMBv2/v3
 - RIST (in and out)

Dropping Platforms

- Windows
 - XP, Vista
- MacOS
 - 10.7 → *10.10*

- Android
 - 2.2 **→** 4.2
- iOS
 - IOS 7, 8

- Linux
 - OpenGL required

