

Kyber

High-quality Remote Control of Machines SDK



JBK

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Geek

President of VideoLAN

Developer of VLC media player

Maintainer of libdvdcss/nav/read, libbluray, dav1d...

Community Member of FFmpeg (CC)

President of Videolabs, FFlabs

ex-CTO of Cloud Gaming Company Shadow

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Consultant for boring companies





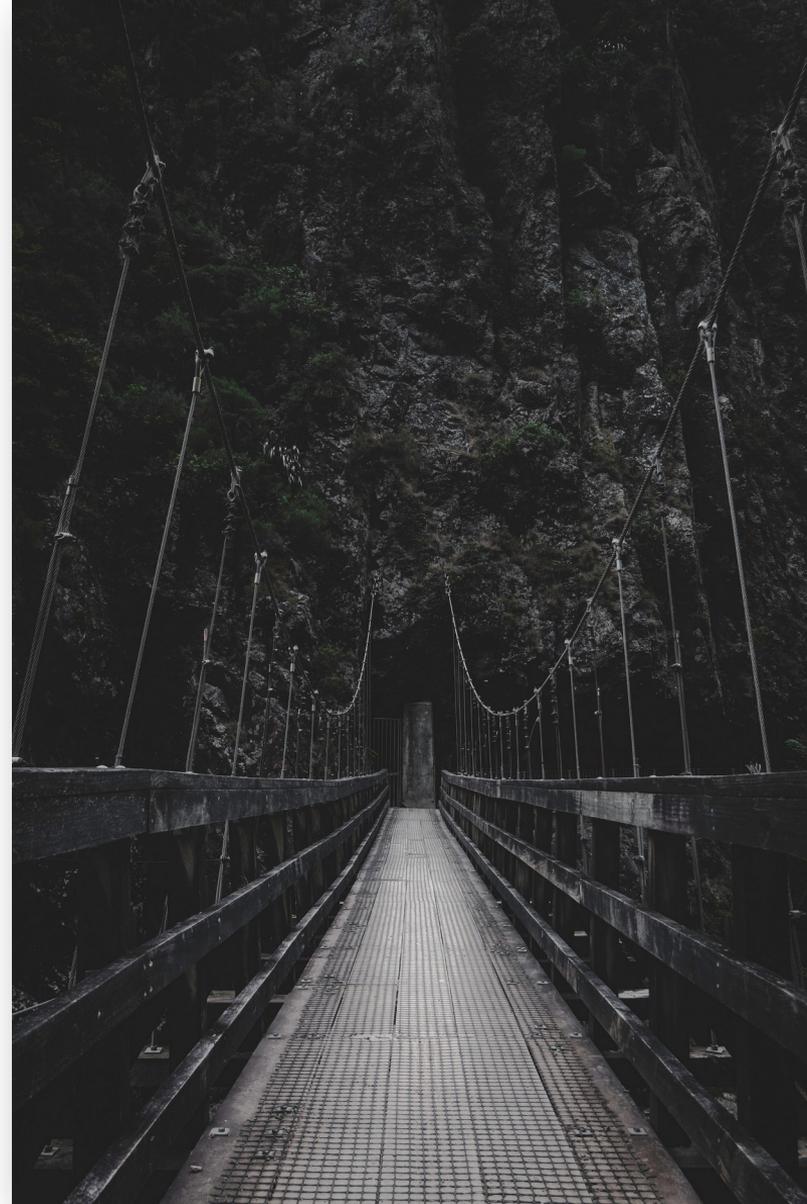
Remote machines

Remote work.

More mobility.

More powerful computation needed

**Remote control of machines is an
unsolved topic.**



Applications of remote interactions

Cloud Desktop

Remote Desktop
VM / VDI
Cloud Gaming



Camera / Robots

Drone Control
Robots
VR / AR supervision



Remote Monitor

Remote Console / STB
Event Production
Industrial supervision



App Streaming

Video Production in the cloud
Demo streaming
Cloud hosted app



Similar Concept
Same technology





KYBER

Our Solution

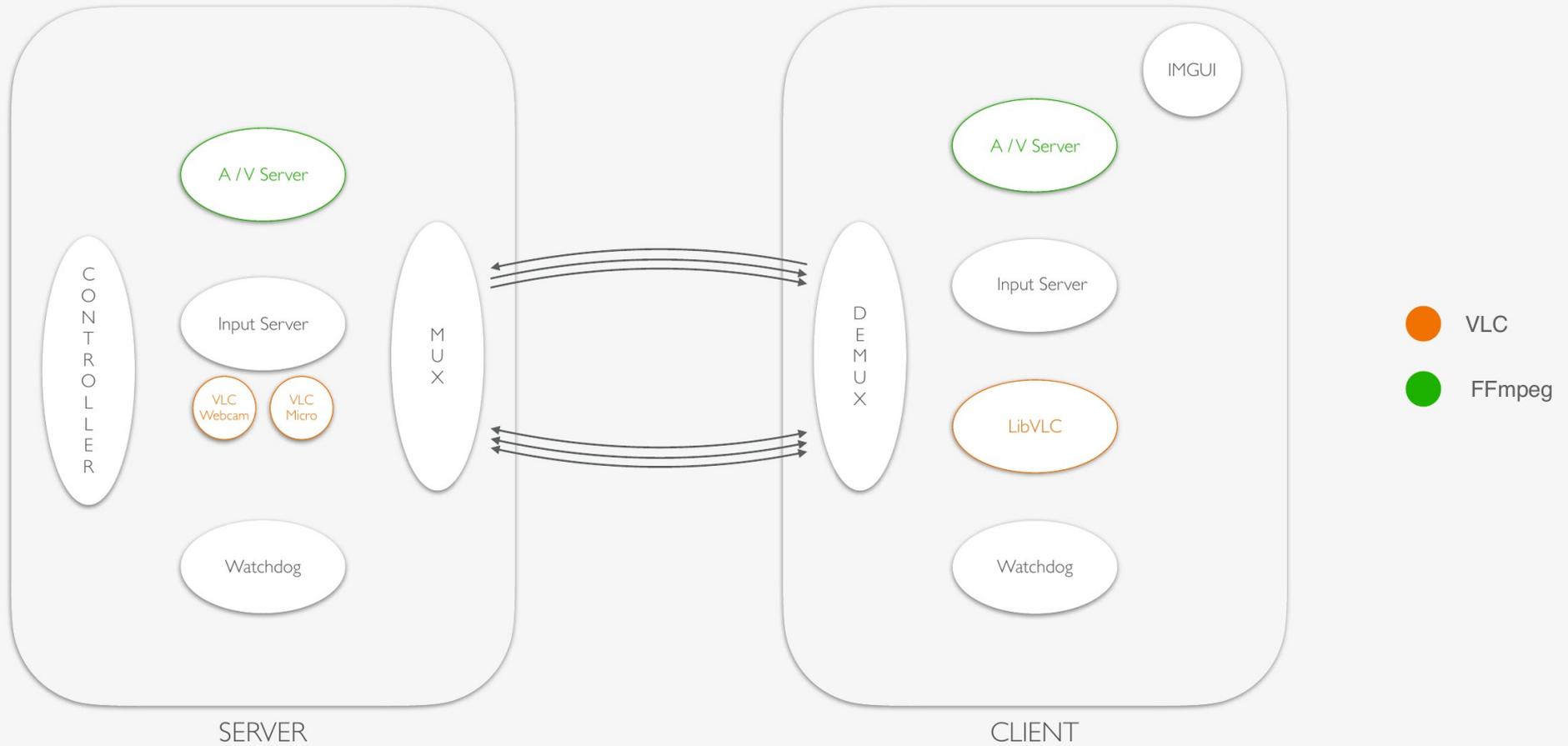


WHAT IS IT

- Realtime Video Server, based on FFmpeg libraries
 - Pushed-based, graph-oriented, configurable at runtime
- Realtime Video Player, based on libVLC
 - Push-based, 0-buffering, modular, configurable at runtime
- Inputs Streaming server
 - Pushed-based, graph-oriented, configurable at runtime
- Networking stack
 - QUIC, TLS, one-socket, reliable + unreliable, FEC
- Controller
 - Client to Server interactions

Built in Rust
AGPL + commercial

Cloud computing & Cloud Gaming Architecture



WHAT CAN IT DO

- Server support

Windows, Linux (*WI+X11*), macOS, Android

- Client support

Windows, Linux (*WI+X11*), macOS, Android, Android TV, ChromeBook, iOS, AppleTV, *Web?*

Mouse, Keyboard, Gamepad, Copy-paste, File Transfer, USBoIP

- Hardware support

AMD, nVidia, Intel, ARM hw encoders, Software encoders

- Codec support

H.264, H.265, AV1. 4:2:0, 4:4:4

NN for video quality

- Use cases

Grab desktop, camera, HDMI, Framebuffer (*Hypervisor grab or app*)

THANKS

