

dreaming of

a better

home media

experience

Arun Raghavan

@louiswu

Ford_Prefect

GStreamer

PulseAudio

Other misc.

The World We Live In

~~content / consumers~~

media / experiences

where from

where to

how

home media center

tv / mobile / ...

DLNA

mobile media center

tv / mobile / ...

DLNA / proprietary

mobile / computer / internet

tv

AirPlay / Cast / WiDi / ...

mobile / computer / internet

speakers

Sonos / AirPlay / Cast / DLNA

What Do We Have?

DLNA

GUPnP / Rygel



Jens Georg

Media Sharing ×

Share music, photos and videos over the network.

Folders

- Videos ×
- Pictures ×
- Music ×

Networks

- whyfy

Sharing story is 

Computer
falcon

File Sharing

Screen Mirroring

Media Streaming

Remote Desktop

×

×

×

Active

On

Totem for browsing / viewing

Screen cast



Audio cast

PulseAudio (~)

Multiroom: 

What Do We Need?

DLNA stack

Doing well
Better interop

Totem

Can probably be more
discoverable / friendly

Screen cast

GNOME Shell

↪ PipeWire

↪ GStreamer

↪ DLNA

Audio cast / Multiroom

PulseAudio

GStreamer

gst-sync-server

A common theme...

sharingd?

The other end

Apple TV

Google Cast

Amazon Fire Stick

GNOME as an appliance...

GNOMECast?

DLNA renderer
gst-sync-server

We have the pieces

We need to put them together

Thanks

