



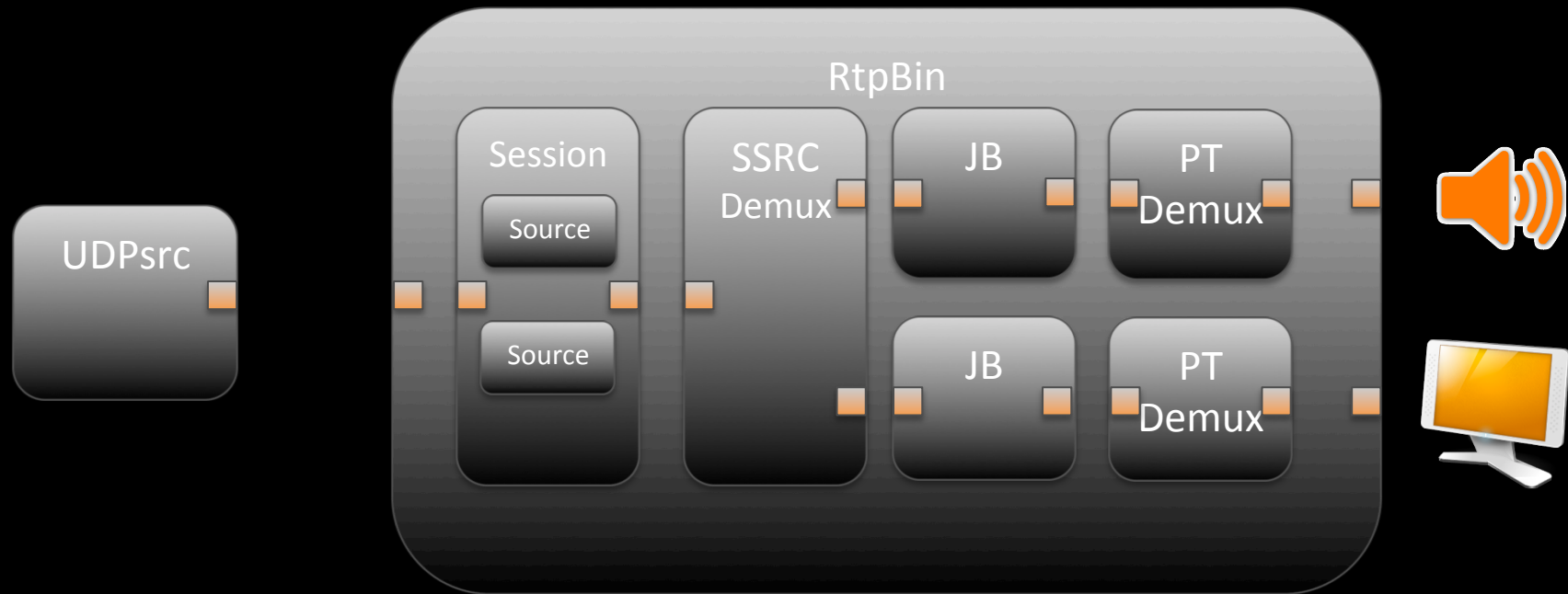
RTP Bundle Support

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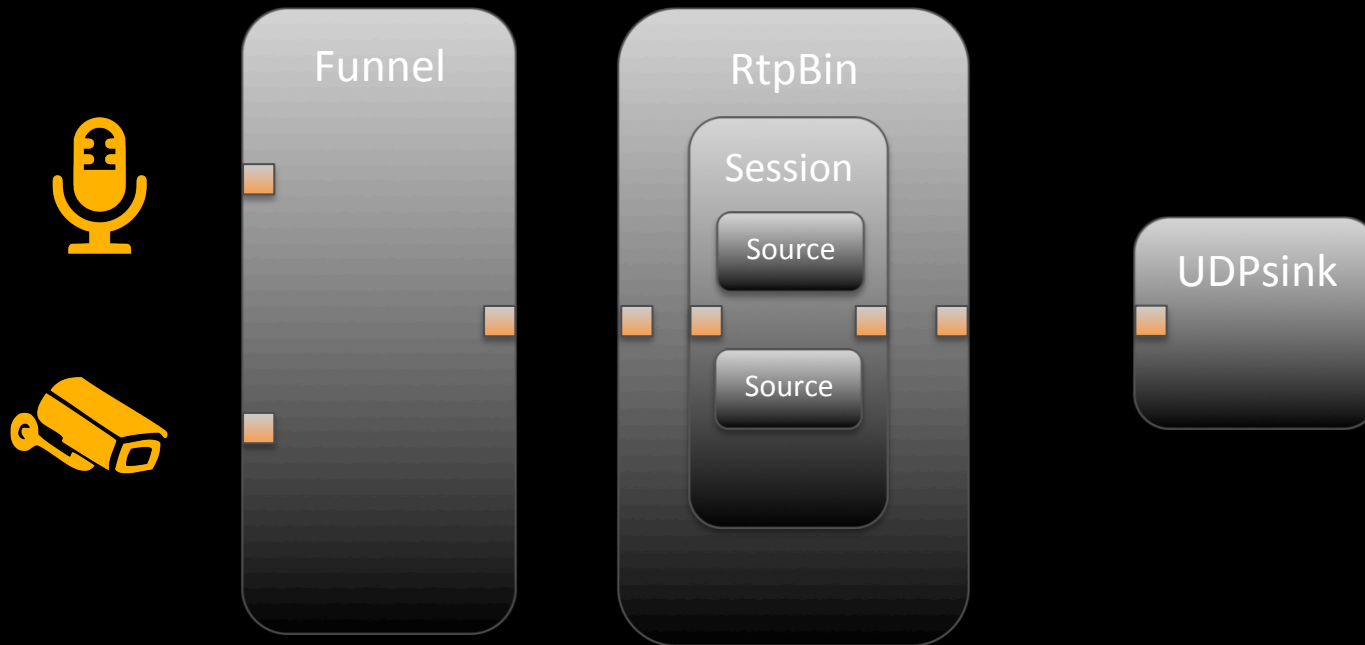
What is bundle?

- From <https://tools.ietf.org/html/draft-ietf-mmusic-sdp-bundle-negotiation-39>:
 - "...usage of a single address:port combination (BUNDLE address) for receiving media, referred to as bundled media"
 - 10.1: "All RTP-based media within a single BUNDLE group belong to a single RTP session"

Bundle Receive



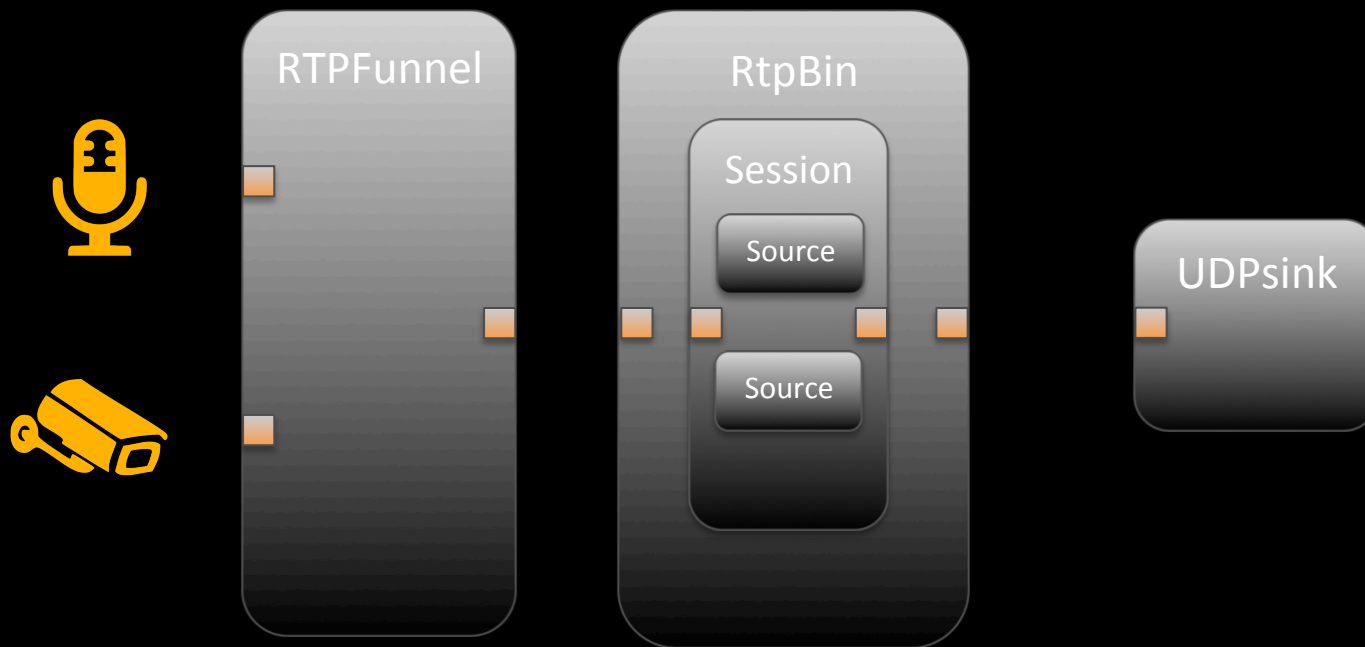
Bundle Send



Problems with GstFunnel here

- Caps & SSRC
 - You don't want to lock the session in to one of the SSRCs
 - You don't want it changing
- KeyUnitRequest
 - Which pad should it hit?

Introducing GstRTPFunnel



GstRTPFunnel

- Does not add SSRC to the srcpad caps
- Will forward upstream events to the right SSRC
- Have a common-ts-offset property
 - For having your rtp-timestamps use a common offset (Microsoft)
- With tests (of course!) 😊

Thanks!

- Contact:
 - havard@pexip.com
 - hgr @ #gstreamer
- Questions?

pexip

An abstract graphic featuring a horizontal, wavy, and swirling orange ribbon or smoke-like shape against a light gray background. The shape is semi-transparent and has a soft, ethereal quality. The word "reXip" is centered within this shape.

reXip