RIPE BoF
Zattoo Setup

Backend distribution and IPTV delivery
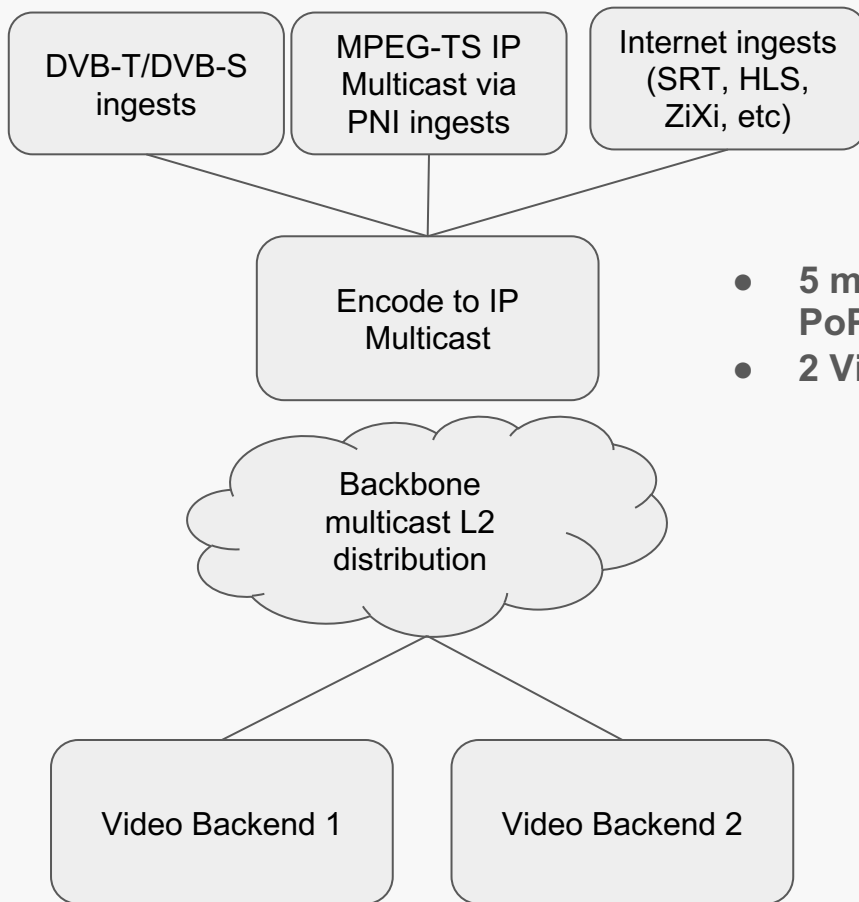
Zattoo acquisition and backend

Zattoo has multiple ways of channel acquisitions - DVB-S/DVB-T, IP Multicast, Internet (HLS, SRT, ZiXi, etc.).

After the acquisition all channels are encoded to IP Multicast and transported to the different video backends.

We have a full-mesh backbone between the different backends, located in different physical locations for redundancy.

All video transport between the backends is multicast traffic.

We use only L2 Multicast.

DVB-T/DVB-S ingests

MPEG-TS IP Multicast via PNI ingests

Internet ingests (SRT, HLS, ZiXi, etc)

Encode to IP Multicast

Backbone multicast L2 distribution

Video Backend 1

Video Backend 2

- **5 main acquisition PoPs**
- **2 Video Backends**

Zattoo IPTV/OTT solution

Zattoo has a combination of IPTV and OTT services, including Live and Non-Live traffic such us Catchup, Recordings, Pause/Restart, VoD.
Our video services need to be highly flexible, cost effective and prepared to be available an all major platforms and end devices without the need for specific hardware or network prerequisites.

Unicast IPTV services build on HTTP-based, adaptive video delivery via direct network peering or the open Internet using unicast delivery gives us all that functionality.

Furthermore Non-Live content can only be Unicast based. We can clearly see that the demand for that traffic is growing more and more. More that 35% of our current traffic is Non-live - people pause, restart or use catchup.

Mobile devices do not support multicast. This is a big chunk of our users, watching on the go.

Multicast IPTV for big screen limits you to only being able to use the provider STB. With unicast IPTV the user/provider can choose between any modern device, such as SmartTV applications, AppleTV, FireTV, Chromcast, etc.