Multimedia Streaming Solution using Gstreamer

Michael Yackavage Tokunbo Quaye



A FORWARD INDUSTRIES COMPANY

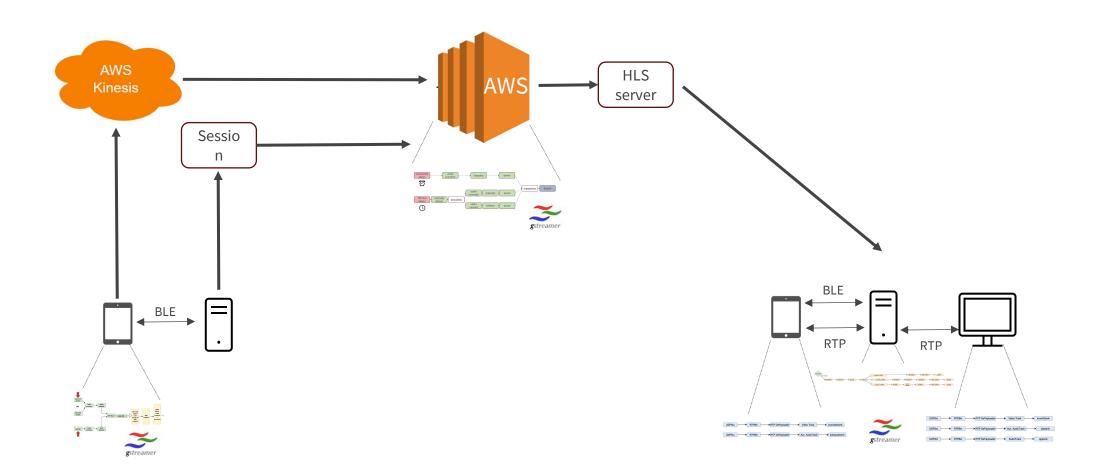
Intelligent Product Solutions | Gstreamer Conference October 7th, 2024



A FORWARD INDUSTRIES COMPANY

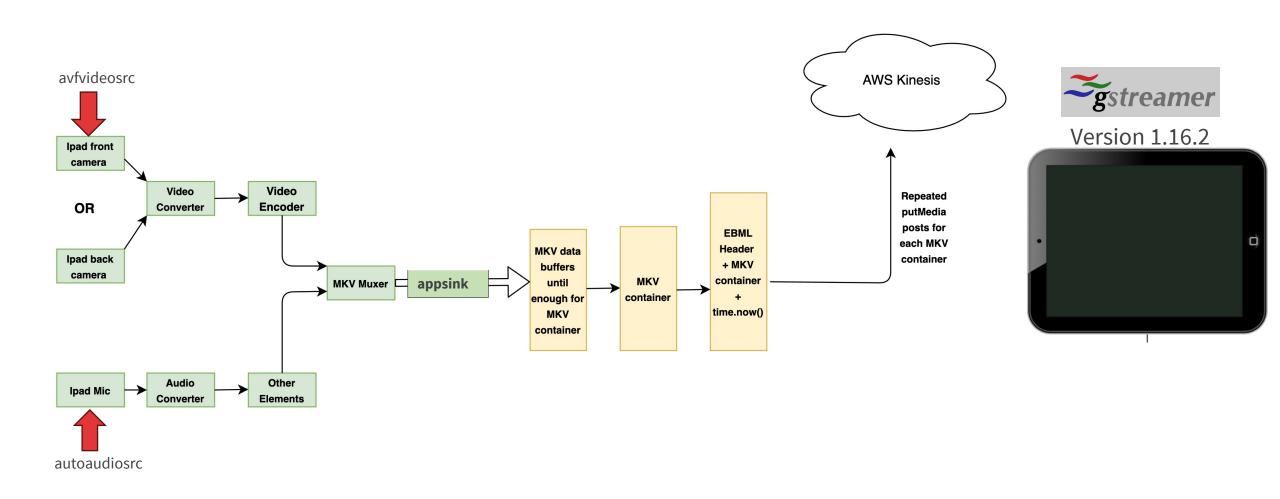


Streaming Service Process Flow



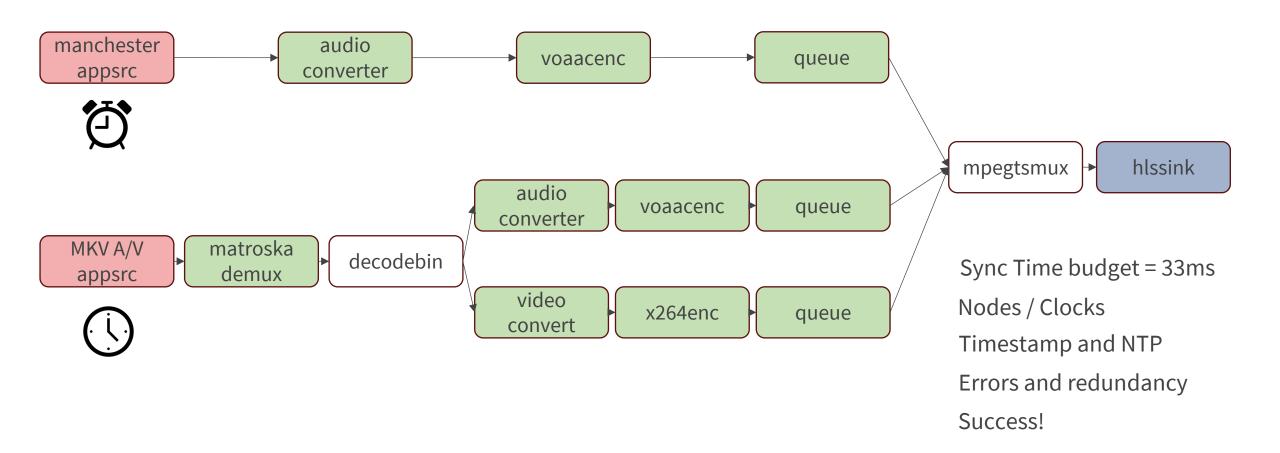


Host iPad Gstreamer Implementation



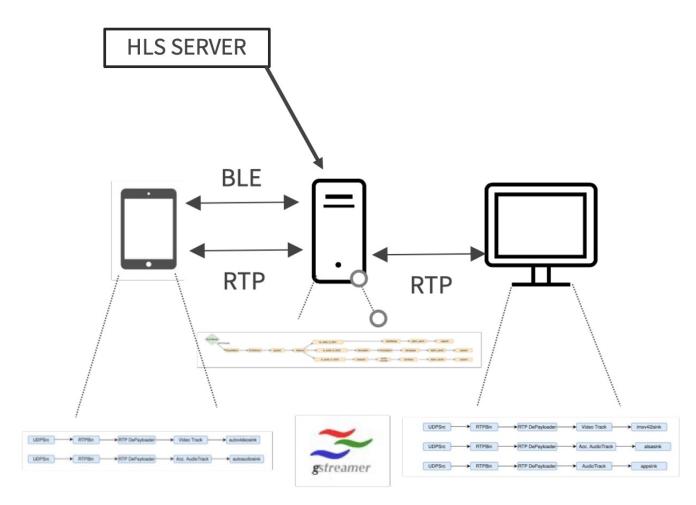


Streaming Server Pipeline (simplified)





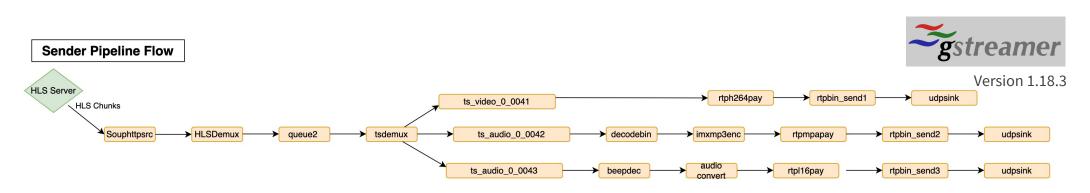
Listener Experience

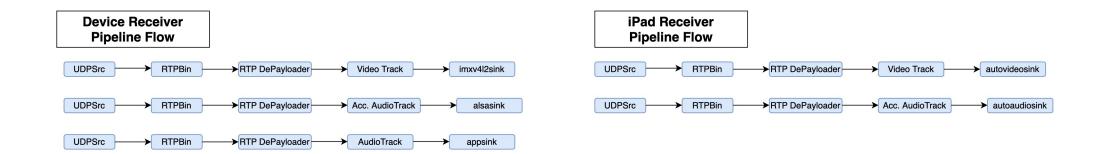




Listener Device RTP Implementation

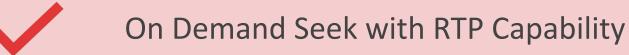
HLS & RTP Technologies







Feature Enhancement Wish List





Adaptive streaming on the server



Lessons Learned



Synchronization of streams is very challenging in multi-sourced setup



Plan for network unpredictability

More to understand about QOS





Questions?



A FORWARD INDUSTRIES COMPANY

Thank You

