



Packet Ship OverView:Origin Server

OverView:Origin is a real-time origin server enabling live streams to be delivered via to OTT clients through HLS and/or MPEG-DASH, using standard HTTP servers or a CDN.

The server captures the live data from one or more IPTV multicast (TS over UDP) streams and chunks it for adaptive streaming. For multi-bitrate streaming it can either pass the data through an external encoder itself or receive multiple multicasts for the same channel.

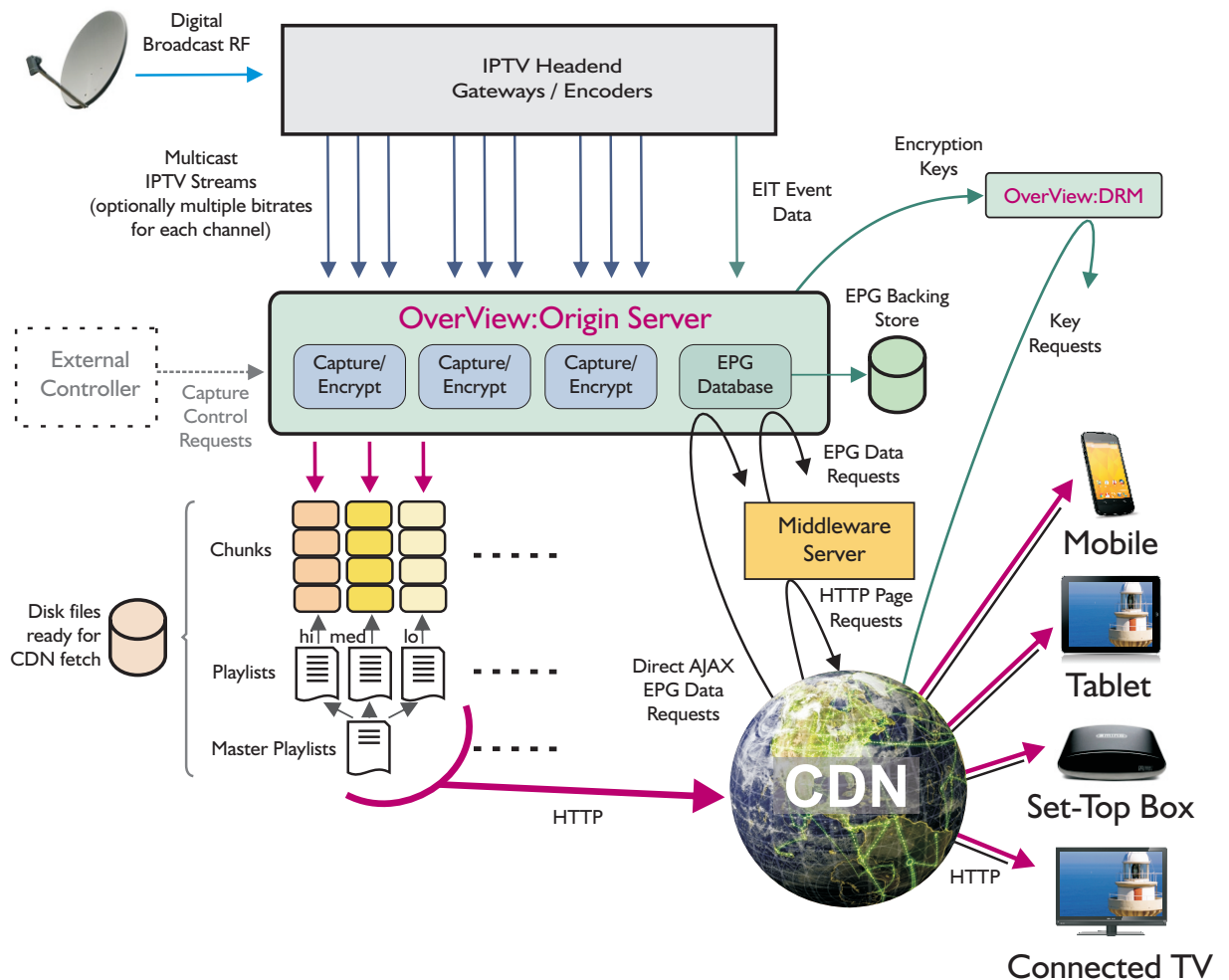
The OverView:Origin server can also encrypt the streams in real time with AES and deliver the keys

to an OverView:DRM server ready for retrieval by certified clients. The keys can be rotated periodically for ultimate security.

In addition to the conversion of live streams, the OverView:Origin server captures Electronic Program Guide data (EIT) from the broadcast and stores it in a high-performance in-memory database ready for query by EPG user interfaces.

The OverView: Origin server can also use the programme event data to record individual programmes as on-demand playlists for use in Cloud PVR or catch-up TV services.

OverView:Origin Architecture



OverView:Origin Server

