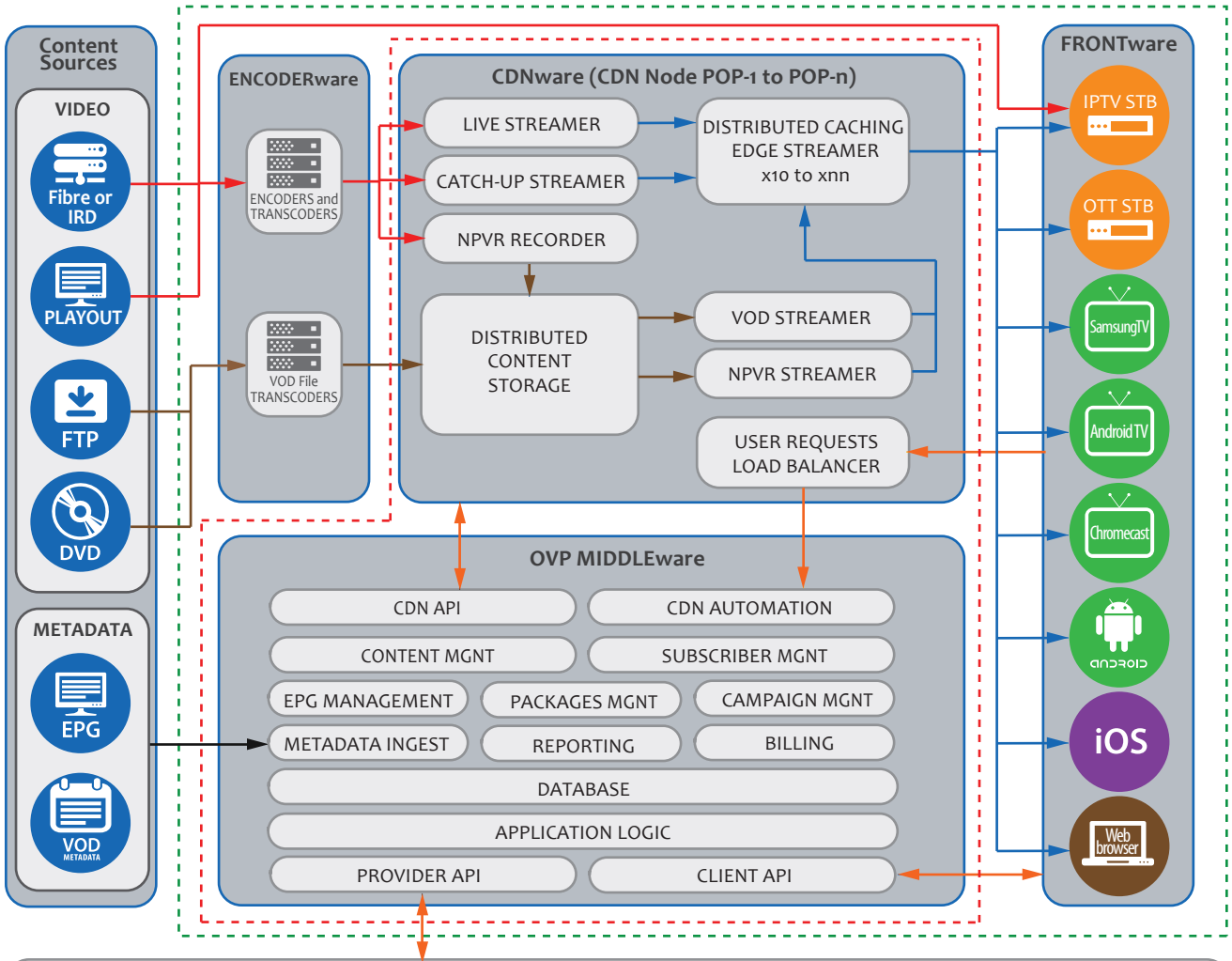


PERCEPTION™ Platform Architecture



OPERATOR BSS (THIRD PARTY OSS or PERCEPTION OSS MODULE)



SUBSCRIBER MANAGEMENT



BILLING



MARKETING CAMPAIGNS



REPORTING



STATISTICS



MONITORING

LEGEND

- Blue arrow: Unicast Streaming (RTSP & HLS)
- Red arrow: Multicast Streaming (HEVC, H264 & MPEG2 TS)
- Brown arrow: File Transfer
- Orange arrow: Control (API coms & Content requests)
- Black arrow: Metadata (XML)

- Red dashed line: Perception Grid (P2P Multicast Server Control Network)
 - Storage and distribution automation
 - Failover, load balancing and caching automation
 - Health checking incl. automatic fault detection and isolation
- Green dashed line: Security & Monitoring of Streams & Services
 - User & device authentication
 - Stream authorisation and validation with CA tokens
 - Industry standard DRM (Verimatrix, Playready etc.)