

STREAMPROBE

MOSAIC RECORDING GROUPS ALARM SETTINGS SERVICES PLAN

PROBES OTT PROBE 2.35 Mbps FRANCE 24 HLS

Widgets to display: Select widgets Layout: 1 column CLOSE ALL

URL STATUS

Item	Thumbnail	Status	Profile health	Duration	Profile ref.	Actual bit.	Downloaded to	Downsize	Reversion	Churn d.	Volume	Manifest
France 24 HLS		Green	HLS	N/A	12.72 Mbps	12.09 Mbps	564.49 Mbps	N/A	N/A	0	2.4 MB	
2.31 Mbps		Green		10 s	2.31 Mbps	2.31 Mbps	137.73 Mbps	0.1573	1894 s	2.4 MB	0	
2.31 Mbps		Green		10 s	2.31 Mbps	2.31 Mbps	136.14 Mbps	0.187	1899 s	2.4 MB	0	
1.43 Mbps		Green		10 s	1.43 Mbps	1.36 Mbps	46.11 Mbps	0.293	1793 s	1.6 MB	0	
1.43 Mbps		Green		10 s	1.43 Mbps	1.36 Mbps	35.77 Mbps	0.429	1854 s	1.6 MB	0	
1.095 40 Kbps		Green		10 s	1.095 40 Kbps	1.094 40 Kbps	37.17 Mbps	0.280	1805 s	1.2 MB	0	
1.095 40 Kbps		Green		10 s	1.095 40 Kbps	1.094 40 Kbps	36.44 Mbps	0.363	1880 s	1.2 MB	0	
675.40 Kbps		Green		10 s	675.40 Kbps	642.09	32.05 Mbps	0.262	1853 s	1.0 MB	0	
655.40 Kbps		Green		10 s	655.40 Kbps	635.59	27.67 Mbps	0.230	1841 s	775.9	0	

OVERVIEW QoS LOG

STREAMPROBE

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PROBES FRANCE 24

Streams: Stream view Search by: All Overview: 24 hours

SEARCH QoS/QOE ADD PROBE ADD Manager ADD OTT Manager ADD OTT Profile ADD OTT Device ADD OTT Device

France 24 HLS

2.31 Mbps 190x1000 2021-04-21 14:09:00 to 14:29:00

2.31 Mbps 190x1000 2021-04-22 14:09:00 to 14:54:57

2.31 Mbps 190x1000 2021-04-22 14:29:00 to 14:56:32

2.31 Mbps 120x720 2021-04-22 14:09:00 to 14:57:00

2.31 Mbps 120x720 2021-04-22 14:09:00 to 14:57:00

OVERVIEW QoS THUMBNAILS TIMELINE ALARMS

FRI 2021-04-23 14:29:09

MONITORING FEATURES

QoS - ABR Service Availability & Integrity check

HLS, MPEG-DASH: playlist integrity & network performance check
 Manifest integrity check, content display & download
 Profile information: availability, type, bitrate statistics, codec, resolution, base and relative URL, playlist content/format, chunk number, media sequence, persistence...
 Chunk HTTP information: availability, length, bitrate statistics, playlist format
 HTTP connection time statistics: connection, DNS redirection, upload, download
 Complete monitoring: full playlist, profiles availability and content check
 Partial monitoring: playlist and/or profiles availability

QoE - Service Audio/Video Quality

Video defect detection: freeze, black screen, missing Intra frame
 Video encoding information: type, pixel format, profile, level, GOP structure and size, image count and weight, width, height, aspect ratio, frame rate and type, VB delay
 Audio defect detection: silence, level too low/high
 Audio encoding information: type, channel number and layout, sample rate and format
 Subtitles HLS WebVTT and DASH TTML: decoding and display
 Formats: MPEG-1 audio, MPEG-2 audio/video, AAC, HE-AAC, HE-AACv2, AC3 Dolby Digital, EAC-3 Dolby Digital Plus, SD & HD MPEG-4 AVC/H264, 4K HEVC/H265

Thumbnail Mosaic view

All services view at-a-glance on a thumbnail wall, real-time update
 Highly customisable per user: grouping, audio levels, subtitles, penalty box
 Monitoring by exception: display only faulty services – penalty box

Thumbnails History view

ABR stream Quality overview in time: alarms timeline with associated video thumbnails
 Visual tool for fault investigation on all ABR stream's profiles
 7-day history depth

Recording

24/7 compliance recording with predefined history depth
 On-error recording on fault detection
 Scheduled recording at predefined date & time
 Access the recordings directly via the GUI
 Preview of the recorded video
 Download capability (full or partial)
 Associated alarms timeline
 For both TS & ABR streams
 Storage capacity to dimension depending per project

VOD assets monitoring

xVOD libraries, assets for DAI, Catch-up/Replay, PVR (Personal Video Recorder)
 Highly configurable monitoring campaigns for both static and dynamic libraries
 Assets provisioning: manual/CSV file or automatic (specific system integration)

DRM support

ABR streams decryption capabilities
 Via direct Key Server access (proprietary, CPIX)
 CENC, Sample-AES, AES-128 – Widevine, FairPlay, PlayReady

System Integration & NBI

Configurable alarming thresholds: general, daily and weekly alarm profiles configurable per service
 Alarm log history CSV export
 SNMPv2 support for alarm traps
 Monitoring information available via an open API (HTTP/JSON API)
 Service thumbnails can be retrieved via API call – for 3rd party dashboard display

TECHNICAL CHARACTERISTICS

SW Appliance solution: Linux OS, VM (ESXi >v6.0, KVM), AWS

Performance CPU, RAM, HDD depending on the bitrate capacity to monitor

ORDERING CODES

StreamProbe OTT

Video QoS & QoE Monitoring for OTT Live services

options

Bitrate (Mbps): Define the bitrate capacity to monitor
SW Pack ACCESS: Full QoS & QoE
SW Pack PERFORMANCE: Operational Add-ons
SW Pack ULTIMATE: Additional Services

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