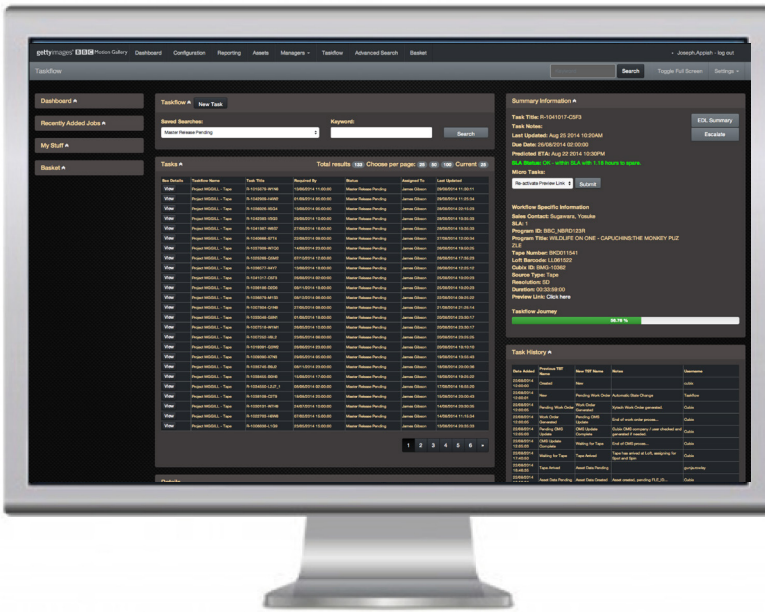# Tektronix®

Aurora integration with Loft London Solutions Cubix

Aurora file-based QC integrated within the Loft London Solutions Cubix end-to-end asset management, automation and orchestration solutions, delivering confidence in your media throughout your operation

Cubix is an "end to end" multi-tenanted asset management, automation, and orchestration system – which thanks to its integration with a wide range of best of breed vendors, makes it a powerful solution for media and broadcast facilities. The enterprise nature of Cubix means it can be quickly scaled up and down as projects / workflows require, and the modular nature of the platform allows for new device types to be added without impacting on the existing system. Cubix can be deployed fully on site, fully in public cloud environments, or a mixture of both – allowing clients to leverage both local and cloud resources to their best advantage. As an integral component of Cubix, Loft London Solutions integrates Aurora file-based QC from Tektronix.

Aurora is the automated file-based QC tool that you can rely on to place in your Cubix solution to identify any visual, audio or metadata issues at ingest and before playout. The Tektronix focus on minimising false positives and a high degree of correlation to human perception means that our test reports highlight just the issues you need to address, presented to the user in your custom Cubix interface. Our architecture delivers guaranteed QC capacity and unrivalled speed of QC analysis to meet the demands for whatever your size of media operation and Cubix system deployed.
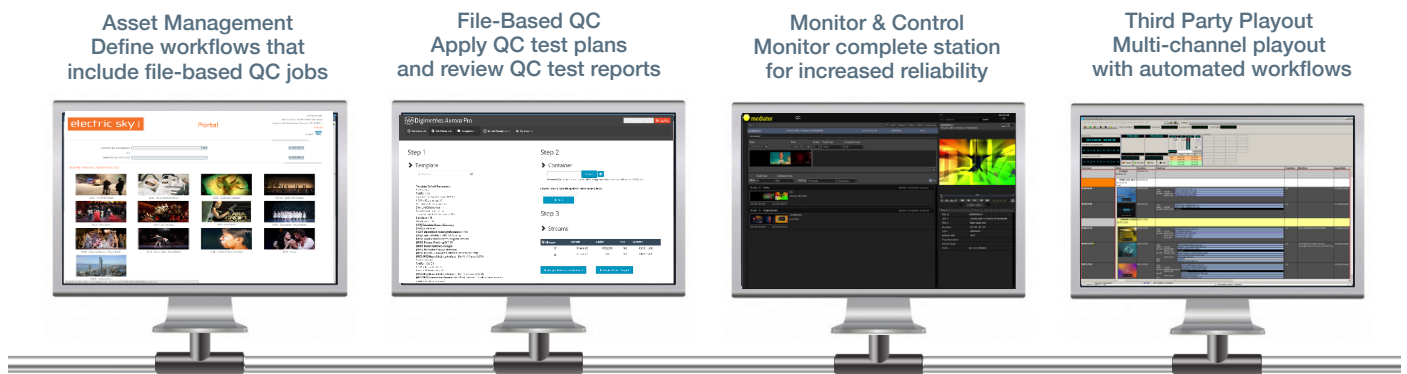
Loft London Solutions

Loft London Solutions offers a wide range of services - from Systems Integration through to support, hosting and professional services. Throughout all their services, they pride themselves on having a service-lead approach. Loft London Solutions believe that they should be there to assist on clients in every stage of the process, from inception and design - through commissioning and crucially post sales support. This makes Loft Solutions London different to any existing reseller or systems integrator available on the market today.

Aurora

Visual artifacts that can be detected by Aurora include Macro-block Noise/Cloud, Up-conversion, Comb Artifacts, Field Order Swaps, Tape/Digital Hits, Perceptual & Film Artifacts, Black/Freeze Frames, Letter-boxing/Pillar-boxing, Color Bars, PSE/Flash Detection, and Cadence Change. Audio artifacts that can be tested include Silence, Drop-outs, Peaks (dBTP, PPM, dBFS), Average Levels (R128, ATSC, ARIB), Clipping, Snaps/Clicks/Pops, Test Tones, Phase Swaps and Hiss/Hum.

Tektronix®

Aurora integration with Loft London Solutions Cubix

Solution Architecture and Workflow Overview

Asset Management
Define workflows that
include file-based QC jobs

File-Based QC
Apply QC test plans
and review QC test reports

Monitor & Control
Monitor complete station
for increased reliability

Third Party Playout
Multi-channel playout
with automated workflows

Cubix is accessed securely via a web browser, either within your facility or remotely. This ensures that it can be used on any internet-connected device without any restrictions commonly found with other DAM / automation platforms. The system is fully AD integrated and multi-tenanted throughout, including the support for complete white labelling of the web portals, which are shipped as standard. Cubix is also truly storage agnostic, able to work using any form of network connected storage (SAN / NAS / DAS / iSCSI / etc.).

By adding in "business rules" within the orchestration layer of Cubix - the system is able to execute many client tasks, including file-based QC, without the need for human intervention. This frees up skilled resource, as well as removes the risk of human error that increases as more workflows are implemented within a media business. Taking this a step further allows for true "lights out" workflows, with operational staff only getting involved on an "exceptions" basis. This provides the most efficient level of operation – as well as allowing for 24 hour operations, without the need to staff 24 hours.

From the ground up, Cubix is built for scale and volume. Many of the technologies used are taken directly from Tier 1 playout environments, trusted by some of the worlds largest broadcasters. This means that no matter how big or small your Cubix implementation, you have the confidence and trust that it will scale with you without issue. This includes scaling your file-based QC requirements and placing it at the appropriate stages in your media workflow, such as ingest, post-production, archive or before playout or distribution.

Aurora VUs (verification units) are installed on separate standard IT hardware servers, blades or fully virtualized infrastructure. The quantity of VUs installed and the number of servers depends on the number of concurrent QC tasks and the speed of QC analysis required. One or more Aurora Controllers are installed to manage QC job queues, allocating QC tasks to the next available VU instance. Each VU tests one file at a time with dedicated CPUs and GPU acceleration for guaranteed QC capacity.

Contact Us

For complete information and sales contacts, go to www.tektronix.com/file-based-qc.