iVMS ASM
Simplified Quality Management for OTT/Multiscreen Streaming

MARKET CHALLENGE

You stream video content to viewers using adaptive bitrate technology across a large network. You must be able to identify potential problems before viewer playback is adversely affected; and when issues do affect the playback experience, you need to know who is affected, pinpoint the root cause of the issue as quickly as possible, and get right to the task of returning the system to peak performance. You also want to know where to make network improvements to prevent future occurrences of the same problem.

You collect performance and quality data from many IneoQuest acquisition elements across the network, but manually checking the status on each individual acquisition element is an inefficient, lengthy way to get the necessary knowledge. You need to automatically aggregate and correlate that data into actionable intelligence; Answers, not just data.
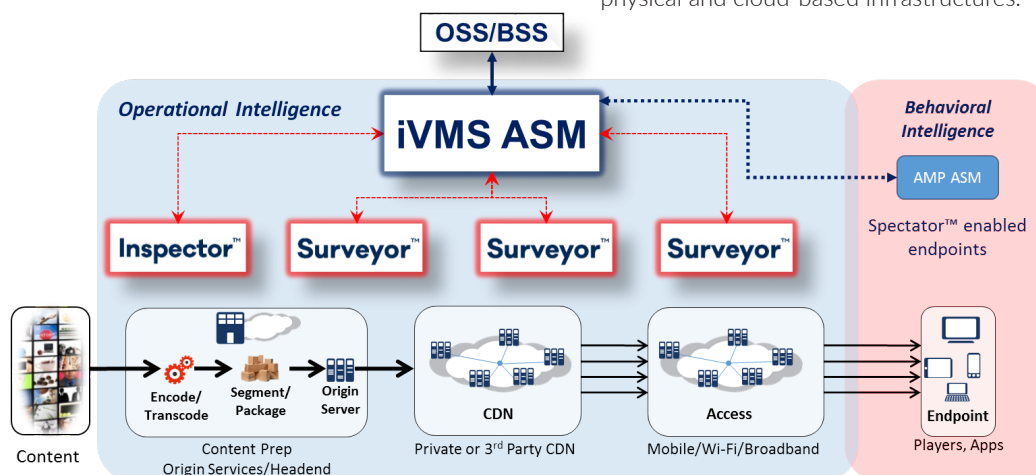
THE IQ SOLUTION

IneoQuest's Intelligent Video Management System for Adaptive Streaming (iVMS® ASM) provides a comprehensive, real-time view into the health of your adaptive streaming video services. It collects statistics from your IneoQuest Inspector™ LIVE and Surveyor™ family acquisition elements, performs program-level correlation across the aggregated data, and presents an easily understood visualization of video service performance. iVMS ASM dramatically simplifies your ability to identify and isolate network issues and streamline operations through the use of automated intelligence gathering, to improve your mean time to detect and repair (MTTD/MTTR) the performance of your video distribution and delivery system.

The proactive network level monitoring made possible by iVMS ASM offers video service providers the dashboard view needed to consistently grade your content's quality and regulatory compliance before it enters the network, and monitor the network's Quality of Service (QoS) at hundreds of points across the delivery system. By centralizing the gathering and presentation of this data, you have the vantage point needed to effectively monitor and manage your viewers' quality of experience (QoE). And when an issue is detected, iVMS ASM's user interface provides you the ability to focus in on the issue. By effectively leveraging this intelligence, service providers can reduce support and customer service costs, decrease quality-related viewer churn, make informed investment decisions, and increase viewership and end engagement rates through quality differentiation.
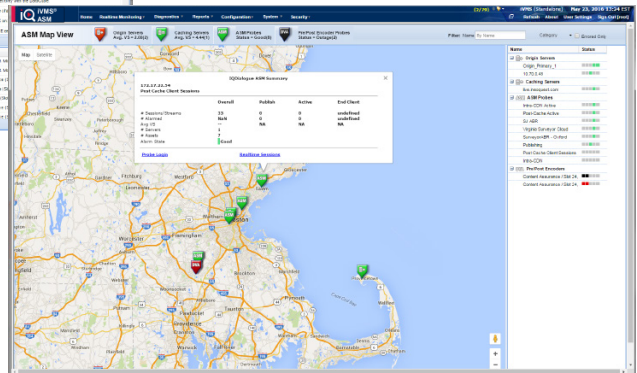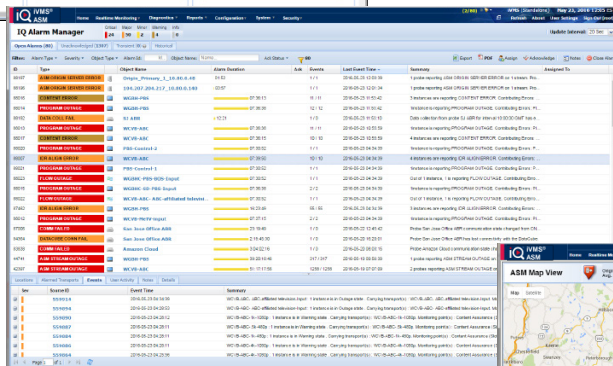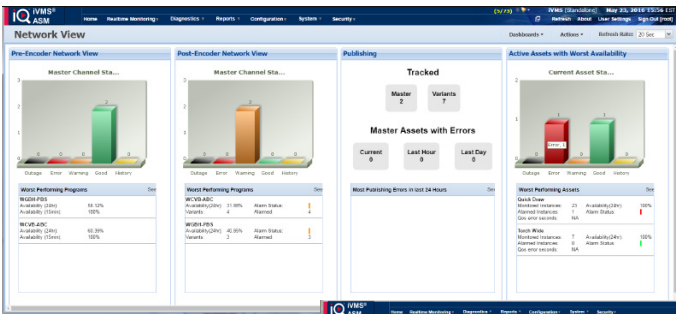
FEATURES AND BENEFITS

- Metric collection from hundreds of iQ acquisition elements provides a comprehensive video service view

- Program-level correlation: viewers watch programs. Your monitoring system must provide program perspective for proper impact assessment.

- Content availability reporting to assure that the content is there when your viewers want it.

- Automated, customizable alarming and KPI thresholds with email alerting for the real-time intelligence you need.

- Browser-based user interface – monitor your video service wherever you are.

- Appliance and virtualized packages to meet the needs of both physical and cloud-based infrastructures.

APPLICATIONS AND USES

Leverage metrics collected from hundreds of Inspector LIVE and Surveyor family acquisition elements to:

- Monitor and inspect your content as it enters your ingestion points, to assure that content quality is as expected.

- Validate proper content encoding and packaging for adaptive bitrate delivery

- Verify content accessibility at the origin server to assure successful publication

- Assess network and CDN performance and service Quality (QoS).

- Pinpoint quality issues across your entire video streaming service.

PACKAGING AND OPTIONS

iVMS ASM is available as a 1U server-based appliance or a virtualized software package which can be loaded on a Virtual Machine in a VMWare or KVM hypervisor environment.

SPECIFICATIONS

- Collects data from up to 1,000 Inspector or Surveyor family devices

- Compatible with Inspector LIVE, Expedus DVA IP, and the Surveyor family of QoS acquisition elements for adaptive bitrate networks, including Surveyor ABR Active, and iQDialogue ASM.

- Patented VeriStream QoS metric collection across the network for all program streams

- Network-wide impairment event tracking and aggregation
  – HTTP Client error events (4xx)
  – HTTP Server error events (5xx)

iVMS ASM is an element of the **IneoQuest® FoQus™ Platform**, the industry's premier portfolio of complementary video quality assurance solutions. The platform is built on multiple data acquisition elements which collect real-time metrics from critical points in the video distribution chain – from content preparation, through network delivery, to device playback. This data is then collected, correlated and processed by IneoQuest's powerful iQ Engines™, to provide an immediate and accurate view into the performance of – and demand for – your video content and services.

A true synthesis of network operational and audience behavioral intelligence.

Whether you're a broadcaster, content owner, network operator or enterprise –or provide critical video delivery services and infrastructure – the **IneoQuest FoQus Platform** has solutions that give you unparalleled visibility into the health of your video business.