

BATON® with ObjectMatrix - MatrixStore, a Nearline Object Storage Platform

MatrixStore provides a nearline storage platform that scales to multiple petabytes. This high performance file storage system adds various business benefits, such as built in search, business continuity, multiple-tenancy, WORM options and searchable system auditing.

File-based digital media has changed the way media is delivered across end user devices, thus raising the potential for **content monetization** and **operational efficiencies**. Operational efficiency can improve when content quality is assured despite multiple transformations across various stages of the content lifecycle.

All the conversions and transformations leading up to media delivery make it an imperative for broadcasters to maintain the end user content quality. Therefore, media validation needs to be automated using an intelligent and flexible environment that can process huge volumes of data in an accurate and consistent manner.

BATON

BATON, industry's leading enterprise-class automated file-based QC solution is used by major broadcasters, post-production houses, IPTV, satellite and archiving companies for its thorough list of quality checks and enterprise-wide scalability.

BATON has been deployed in production use by global media companies of all sizes. BATON supports a wide range of media formats and offers comprehensive quality checks, including extensive subtitles and CC verification, audio language identification, PSE correction, loudness detection and correction. BATON's powerful Media Player for frame-accurate review, rich QC analytics and smart workflow tools are the best in class in the industry.

Solution Overview

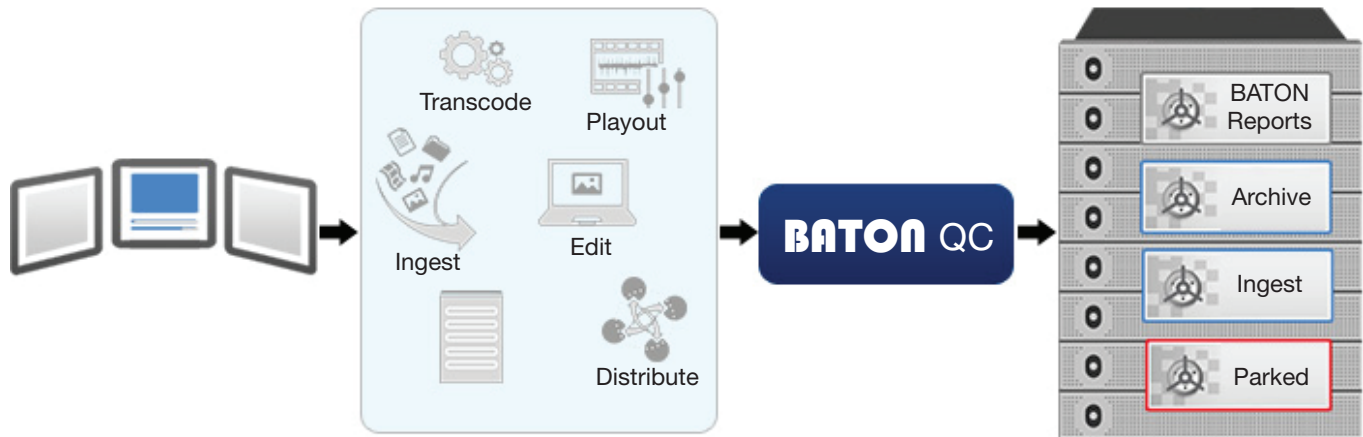
- BATON - MatrixStore object storage ensures content security and workflow flexibility
- Complements existing infrastructure and workflows
- Works in both stand-alone and farm mode

ObjectMatrix's MatrixStore

Object Matrix's MatrixStore is an object based storage solution that provides an integrated and automated platform to support media workflows. It is designed specifically for broadcasters, production, and post-production houses to protect their digital information and make the content readily available.

BATON Integration with ObjectMatrix's MatrixStore

The integration of MatrixStore object storage with BATON ensures content security and workflow flexibility. Multiple BATON Checkers access content through MatrixStore's MXFS application, a local file system that provides an explicit fast connection to the MatrixStore. BATON quickly scans video files present inside the vaults through Smart Folders and performs various QC tasks. Reports generated by the QC processes are protected alongside the assets or kept as objects on completely different vaults. The integration provides maximum flexibility with the ability to use multiple vaults within the workflow.



BATON file-based QC solution integration with ObjectMatrix's MatrixStore

BATON - Key Features

- A comprehensive ML/AI enabled QC solution, available for Windows
- Hybrid QC platform with a combination of automated & manual QC checks on content
- Supports SD, HD, UHD, 4K Mixed workflows
- Intuitive, simplified and a very user-friendly web-based user interface
- Extensive time code related checks including start TC / discontinuity / GOP / LTC, VITC and more
- Built-in Test Plans for various Standards and Workflows such as DPP, iTunes, Netflix, Cable Labs, ARD_ZDF, Ingest, Playout and more
- First QC system to support VAST formatted ads
- Supports S3, Spectrum, Azure Blob Storage AMP, Avid Interplay and Google Cloud Servers, HTTP Server, IBM Cloud Object Storage, OpenStack Swift based storage
- Rich reporting features:
 - o Multi-language reports in HTML, XML, PDF, Excel and JSON
 - o Reports based on analytics, timeline, content structure and thumbnails
 - o Incremental reports of tasks in progress
 - o Compact reports to analyze verification summary
 - o Options to comment, tag, rate and compare reports
 - o Configurable e-mail, HTTP alerts including SNMP
- Supports user management & access control
- Comprehensive solution for task scheduling & monitoring
- Support for SOAP, XML-RPC, and REST APIs
- Efficient integration with media servers, transcoders, MAM archiving and workflow solutions through its easy to use web-services based APIs
- Scalable architecture for expansion of the BATON set up as QC needs grow

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