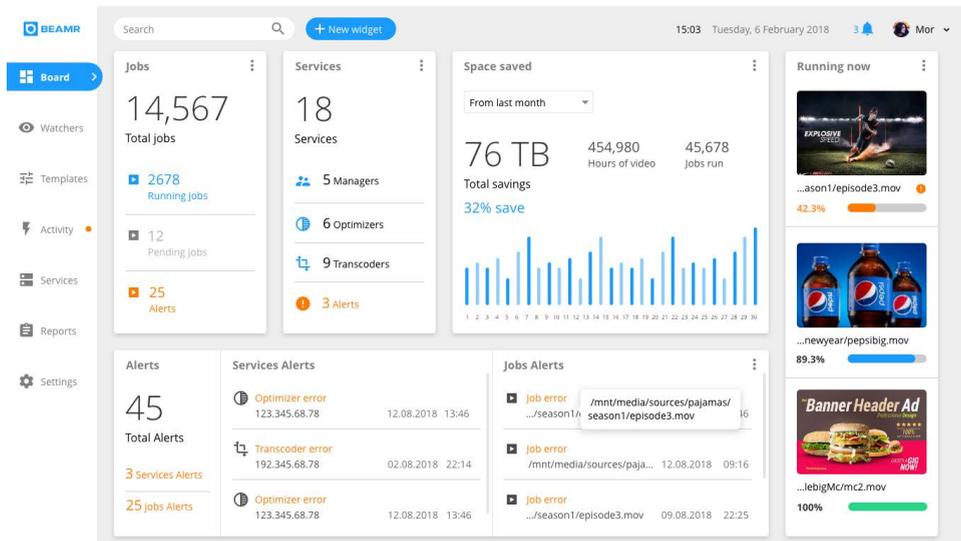# Beamr
Manager

Overview Description / Industry Application

Modern video workflow control plane and user interface.

Beamr Manager provides a single endpoint for controlling and monitoring an unlimited number of Beamr Optimizer and Beamr Transcoder instances, running on a cluster of physical or virtual servers in a private, public, or hybrid cloud. Optimization and Transcoding Jobs can be configured and deployed by the Beamr Manager using REST API or web-based UX. The Beamr Manager provides progress updates and generates custom reports and logs of the processing results.

Use cases and applications.

- Manage a cluster of Beamr Optimizer VoD instances with session management and status monitoring for optimizing large VoD libraries.
- Manage a cluster of Beamr Optimizer Live instances for optimizing Live OTT video channels or cloud DVR recordings.
- Manage a cluster of Beamr Transcoder VoD instances creating mixed HEVC and H.264 ABR encoding profiles from a large VoD library of mezzanine files.
- Manage a cluster of Beamr Transcoder Live instances encoding mixed HEVC and H.264 ABR profiles from dozens of live OTT channels.

Overview of features.

Beamr Manager supports and enables users to:

- Manage deployment, installation and licensing of Beamr Optimizer and Beamr Transcoder products on a cluster of servers.
- Manage the configuration of Beamr Optimizer and Beamr Transcoder products through built-in and user-defined Templates, which are sets of processing parameters.
- Manage and monitor the execution of Jobs (processing of single input files) and Batches (processing of multiple input files).
- Manage Watchers which implement "hot folder" functionality for automatically processing new files that appear in a designated folder.
- Manage workflows which implement sequential processing of files through various stages, such as transcoding, optimization and packaging.
- Monitor system health and handle failover to ensure high availability.
- Manage deployment, installation and licensing of Beamr Optimizer and Beamr Transcoder products on a cluster of servers.

- Provide operating interfaces for users through a REST API and Web Dashboard.
- Provide an API which connects the Beamr Manager with third-party or in-house consoles for easy integration with existing workflow management systems.
- Provides notification services via email, SMS, and external management systems.

Beamr benefits.

Beamr is the leading designer and developer of content-adaptive encoding and optimization solutions that enable high quality, unmatched performance, and new levels of bitrate efficiency for MSOs, OTT content distributors, broadcasters and video streaming platforms. With Beamr Manager video engineers can control and monitor Beamr Transcoder and Beamr Optimizer instances running across public and private clouds, or data center installations, enabling video encoding and processing solutions that deliver the highest video quality at the lowest bit rates possible. Beamr transcoding and optimization solutions allow video services to surpass their competition by operating as much as three times faster while creating files that are 50% smaller.