



TransAct Commander

TransAct Commander Advantages

- **Load Balancing, Cluster Management and Transcode Management:** Manages and controls file-to-file and on-demand transcoding operations and workflows, supporting a single or cluster of TransAct Transcoders.
- **Low Latency Delivery While Transcoding:** Notifies the Transcoder to immediately begin streaming or progressive downloading of a file.
- **Content Distribution:** Once a transcode is complete, provides notification of file availability and stores content as a cache asset for future distribution upon subsequent requests via HTTP.
- **Application Integration:** Provides integration with a full set of TransAct on-demand transcoding or third-party applications via an intuitive XML-based API.

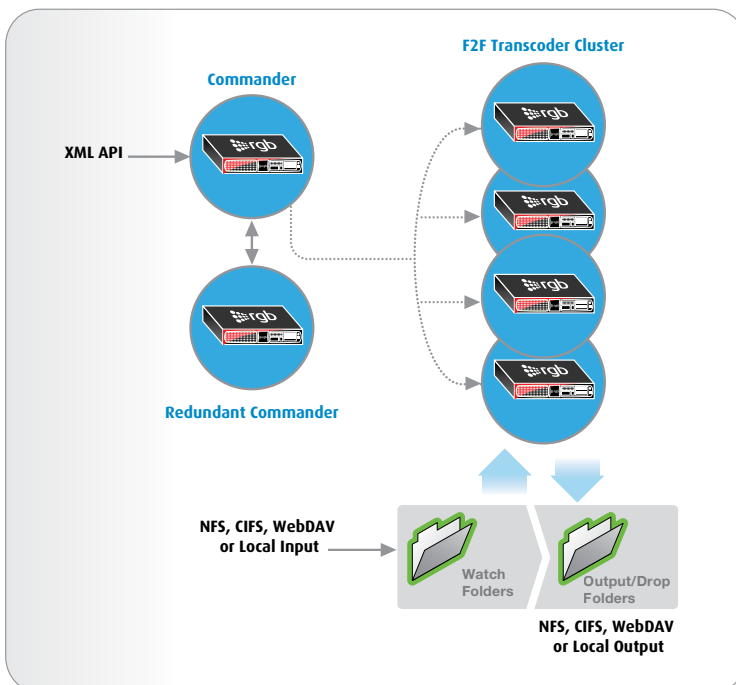
Cluster Management Functionality

- **Streaming of Transcoded Files for Mobile and Internet:** Provides streaming workflow management across multiple applications.
- **Cache Management:** Manages various types of content including cached transcoded media, partially transcoded media, progressive download and RTSP streaming files.
- **Cluster Load Balancing:** Responsible for balancing workload across all Transcoders in the cluster based on demand.
- **Cluster Workflow Configuration:** Workflow cluster configuration is easily performed via the web.
- **Cluster Software Update:** Provides the capability to update software across a cluster of Transcoders.
- **Cluster Database Backup/Restore:** Manages backup of the cluster workflow configuration database.
- **Server Failover:** Standby TransAct Commander servers can be installed per Transcoder providing a warm failover capability.

Built to address the needs of today's new media market, RGB's TransAct Commander supports a transactional transcoding model that integrates file-based and on-demand transcoding with key video delivery elements including, workflow management, network-aware resource management and open interoperability with third-party applications and systems.

RGB TransAct Commander

The TransAct Commander is a sophisticated software application packaged as a software license or a one rack unit server that manages and controls the file-to-file (F2F) and on-demand transcoding operations and workflows supporting a single RGB TransAct Transcoder or a cluster of up to 50 Transcoders. The TransAct Commander interfaces directly with the TransAct Transcoder API providing back-end intelligence to route



on-demand transcode requests to available TransAct Transcoders, balancing the workload and ensuring the on-demand transcoding application is always available by delivering failover and redundancy capabilities.

The TransAct Commander provides video service providers with a more efficient video transcoding environment. It fully optimizes the power of the TransAct Transcoder, and allows providers to easily scale the processing capacity of the on-demand transcoding solution by simply adding more appliances as additional processing power is needed.

Content Caching

Through a patent-pending content caching technique, the TransAct Commander gives operators the ability to retain recently transcoded content in cache for subsequent requests, enabling another request for the same video to immediately be delivered to the user without re-transcoding. And, in the event of duplicate requests, RGB's TransAct Commander will instruct the Transcoder to begin delivering multiple streams or downloads even while the content is still in the process of transcoding.



AMS TransAct Commander

Hardware or Software

RGB Networks offers the TransAct Commander as either a software license or as an appliance. The software license-only solution can be downloaded or shipped on a DVD and allows customers to deploy on their choice of server-based hardware platform. Running on an RGB supported appliance – the Application Media Server (AMS) – the TransAct Commander provides a minimum MTBF of 100,000 hours, as the AMS is an extremely durable hardware appliance requiring minimal ongoing maintenance.

RGB AMS TransAct Commander Specifications

MANAGEMENT	
Features	Terminal access via serial port for CLI Web browser GUI Secure shell (SSH) XML-RPC 1.2 In-band / out-of-band support Front panel LCD for system status SNMP traps Remote upgrades
HARDWARE	
I/O	Up to four Ethernet (10/100/1000 Base-T) ports
Form Factor	1 rack unit
Dimensions	1.68" H x 18.99" W x 30.39" D; 42.6 mm H x 482.4 mm W x 772 mm D
Weight	39 lbs. / 17.69 Kgs
Power	AC P/S operating in the range of 100V-240V; Nominal voltage 120V AC 502 W, dual-line cord 1+1 PFC (dual power supply redundant configuration)
Temperature	Operating Temperature: 50 to 95° F (10 to 35° C); Relative Humidity: 20 to 80% non-condensing
Regulatory	FCC Part 15; NRTL UL / CSA



RGB Networks, Inc.
390 West Java Drive, Sunnyvale, CA 94089 USA
T: +1.408.701.2700 | F: +1.408.701.2710
www.rgbnetworks.com