ASTRA Browse Configurations

File-based Workflows with ASTRA Browse

One advantage of a file-based workflow is the ability to view content at your desktop from anywhere on the network. To accomplish this, a low-res proxy of the high-res material needs to be generated to minimize the bandwidth load on the network. For example high-res HD material can be anywhere from 20 Mb/s up to 150 Mb/s whereas a good quality low-res copy is between 0.5 Mb/s to 1.5 Mb/s. This 100:1 reduction in bandwidth enables facility-wide network browsing and even remote browsing with today's standard networks.

The advantages of ASTRA Browse are:

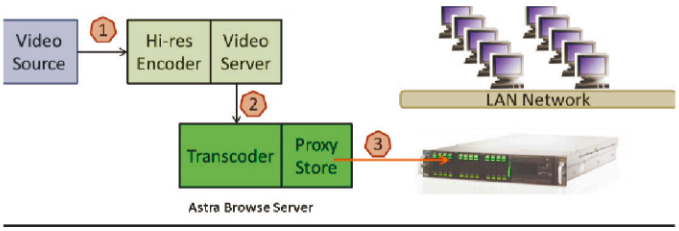
- Review material before playout
- Verify correct in/out points
- Trim material
- Assemble a new clip from parts of other clips
- Archive material from the browse view

ASTRA Browse Configuration Options

Three modes are available when configuring an ASTRA Browse system; Scavenge mode, File mode and Real-time mode.

Scavenge Mode – This mode generates the low-res proxy from existing high-res material. The typical workflow is shown below.

1. An SDI feed is encoded in high-res on the videoserver
2. When a new clip is detected on the videoserver, it is streamed to the ASTRA Browse server, transcoded to low-res and the proxy is stored on the Browse server.
3. Users can now view the low-res proxy from their desktop over the network.

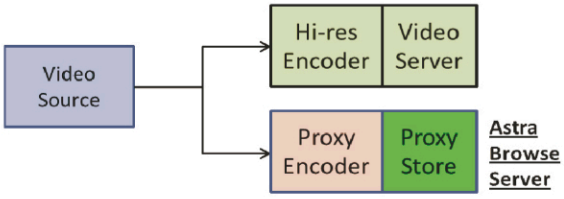


SCAVENGE MODE GENERATES A LOW-RES VERSION FROM EXISTING HIGH-RES MATERIAL

File Mode – In this mode, the low-res proxy is generated by an NLE, videoserver or a file-based camcorder (i.e. XDCAM) and sent to the ASTRA Browse server for storage and viewing. The ASTRA database is updated with the low-res information.

FILE MODE WORKS WITH ALREADY GENERATED LOW-RES PROXIES.

Real-time Mode – The low-res proxy is generated at the same time as the high-res file is being encoded. This requires a separate third party low-res encoder which can easily be interfaced with ASTRA Browse for storage and viewing.



REAL-TIME MODE GENERATES THE LOW-RES PROXY AT THE SAME TIME AS THE HIGH-RES MATERIAL.

ASTRA Browse Server

The ASTRA Browse Server stores all the low-res content and can run the AVECO supplied transcoder or most third party transcoders. It can also run the ASTRA FullText Search application.

Server:

- 6 TB RAID Storage, Dual Power Supplies, 6 GB RAM
- Dual Quad-core Intel Xeon CPUs, 12MB Cache

Applications:

- Rhozet Carbon Coder Transcode Application Option
- ASTRA FullText Search Application Option

AVECO s.r.o.
Veleslavinska 39
162 00 Praha 6
Czech Republic
Tel: + 420-235-366-707
Fax: + 420-220-610-728

Information: info@aveco.com
Sales: sales@aveco.com
Technical Support: support@aveco.com
Web Site: www.aveco.com

AVECO Inc.
6538 Collins Avenue, #286
Miami Beach, FL 33141, USA
Tel: +1 (818)-292-1489
E-mail: sales@aveco.com