

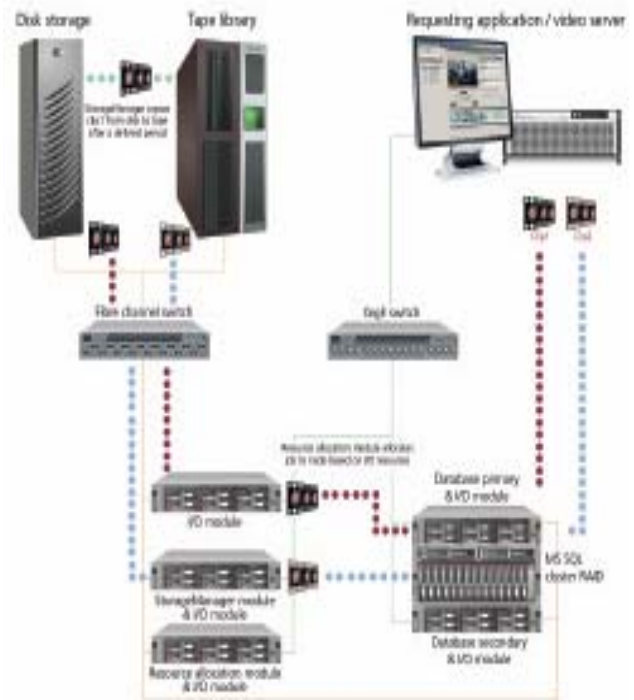
FlashNet/TGV



True archiving for grass valley

Grass Valley NewBrowse Archiving

Several years ago, SGL FlashNet was installed into a broadcast environment for the first time. The broadcast system was based around Grass Valley Profile™ servers, and the integration performed for this landmark deployment signified the beginning of a relationship between SGL and Thomson Grass Valley that has thrived and prospered ever since. Today, the integration between the two companies extends not only to on-air systems with Profile, M-Series™ and the new K2™ servers, but also to the Thomson Grass Valley Newsbrowse™ editing systems, providing transparent access to the archive directly from the Newsbrowse application.



Your content, whenever you need it

FlashNet makes the back-end archive storage appear as a seamless extension of all Thomson Grass Valley environments. The archive may comprise practically any storage media type, from tape and optical libraries to high-end, fast-retrieval hard disk systems. It can also include a combination of any of the above in an archive hierarchy, using the rules-based SGL StorageManager™ to manage data life cycle within the archive based on type, content, size and age.

The seamless nature of the integration means that the editor or operator never really knows that FlashNet is part of the architecture. For on-air, automation sees the FlashNet-controlled archival storage as an extension of the TGV server. When a clip is required for playback, it is restored back to the server simply by selecting it in the playlist and hitting restore. The same applies to the Newsbrowse system. The Newsbrowse interface management tab displays archive or restore options for the selected clip, based on its current location. The editor can send clips to the archive, view low-res version of clips in the archive, and restore clips from the archive. This includes the ability to restore only part of an archive clip (Partial File Restore) by marking in and out points in the clip before submitting the job.



The FlashNet and Newsbrowse integration also provides Partial File Restore, allowing editors to specify in and out points to restore only a section of an archived clip

FlashNet/TGV



content archive & storage management
for media & entertainment

Thomson Grass Valley and SGL

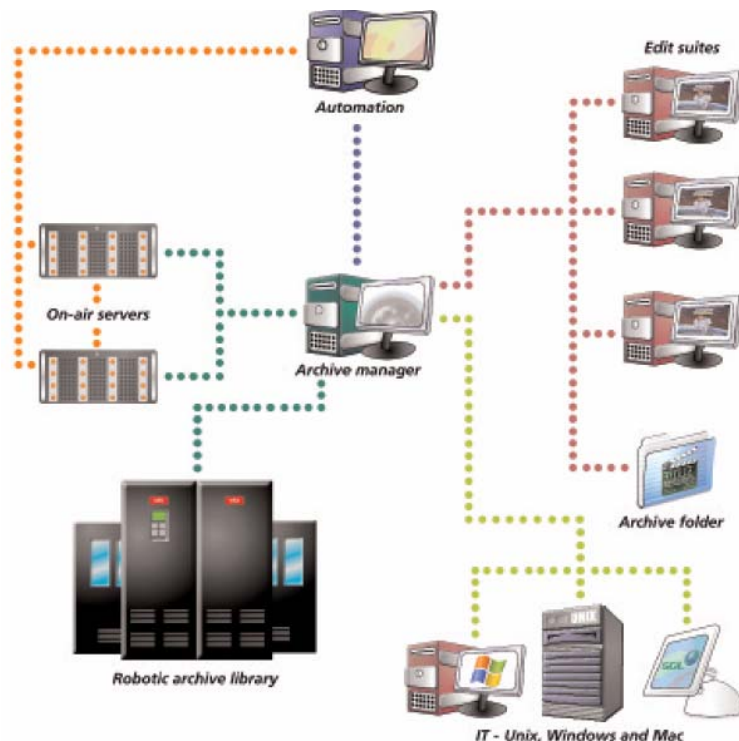
With the introduction of FlashNet Version 6.0 for the TGV environment broadcasters now have scalable tools for the smallest call-letter station to the largest network operations. FlashNet version 6 is based around a clustered architecture, comprising three main software modules: the database module, the resource allocation module and I/O modules. At smaller stations all modules can run on a single physical server, providing cost-efficient archive operations in a compact installation. Larger operations usually require high availability levels and substantial data transfer rates to and from the archive. To facilitate this, modules can be distributed across disparate servers (called nodes), providing automatic failover and complete redundancy throughout the system; the cluster can even be distributed across geographic locations. Increasing the number of nodes in the cluster allows more concurrent data transfers; put simply, more nodes provide greater transfer rates.

Easy expansion

As data throughput requirements increase, the FlashNet cluster grows to accommodate increased transfer rates and data capacity. I/O nodes can be simply 'bolted on' to the cluster to provide a wider access point into and out of the archive; as soon as the new server is added to the network it is recognized by the database and begins data transfer tasks. There is no need to pause archive operations.

Integration at all levels

SGL also has the widest range of compatibility of any archive software company in the industry. FlashNet has been tested and installed in the TGV environment working with every major vendor in all broadcast arenas, and each version undergoes rigorous testing with TGV systems before release. In addition, SGL works closely with all major tape and disk system manufacturers to make sure that whichever storage medium you choose, FlashNet can drive it as quickly and as efficiently as possible.



True archiving for
grass valley