



DaletPlus ActiveLog Case Study: The United States Senate

Situation Analysis

The United States Senate television staff was using a traditional tape-based solution for recording Senate proceedings and various news feeds. The recorded material needed to be packaged for broadcast to an internal cable channel, distribution, and Internet. The system had severe limitations.

The staff needed a solution that would enable them to efficiently record, index, archive, distribute and broadcast to their internal cable channel and Intranet, high quality audio and video captured from Senate proceedings. Additionally, they needed the system to record, edit and re-broadcast to their internal cable channel several daily news feeds.

The Challenge

The process to record, index, retrieve and store audio and video on tapes was resource intensive. Accessing recorded proceedings was time consuming. Tapes were stored in massive tape libraries and took time to both index and retrieve.

The staff also had challenges recording, editing, packaging and re-broadcasting incoming news feeds to the internal cable channel. The process required multiple systems, interfaces and skill sets to accomplish the task.

Both processes were not at all conducive for communicating fast breaking events or managing multiple media formats.

The Solution

The United States Senate chose to replace their tape based system with DaletPlus ActiveLog, an all-digital central server-based asset management system.

DaletPlus ActiveLog provides an intuitive scheduling feature that enables staff to create, automate and view schedules for recording proceedings or news feeds days or even weeks in advance. At the core of the DaletPlus ActiveLog solution is the DaletPlus asset manager. The DaletPlus asset manager provides a central repository in which staff can index, store and search on all digitally recorded media. Because media is stored centrally, authorized users have shared access and several users can review media simultaneously. Easy-to-use editing tools are provided on the desktop, making packaging material for broadcast incredibly fast and easy.

User Benefits Highlights

- Automate recordings for Senate proceedings and incoming news feeds.
- Review, from their desktops over a standard IT network, daily Senate proceedings and news feeds moments after they have been recorded.
- Easily retrieve and distribute media clips in electronic format.



- Edit news feed footage with user friendly editing tools.
- Automatically re-broadcast Senate proceedings and news feeds to the cable channel and Intranet from a single desktop.
- Archive footage in high definition video with the transcript metadata for full text searching.

How does DaletPlus ActiveLog work?

DaletPlus ActiveLog provides a plug-in architecture for automating and controlling 3rd party applications and devices. At the United States Senate, a recording timetable is created for incoming news feeds and scheduled floor sessions. If events are repeated on a regular basis, the user may automate the process by using the pre-configured schedule template.

Schedules created in DaletPlus ActiveLog control the start and stop functions of several Virage VideoLogger servers and a Philips Jupiter video switcher located in the United States Senate master control room. DaletPlus ActiveLog manages the Virage VideoLogger's video stream to the United States Senate's internal Intranet. From the stream, DaletPlus ActiveLog extracts and stores in the central repository, key frames and spoken transcript (metadata).

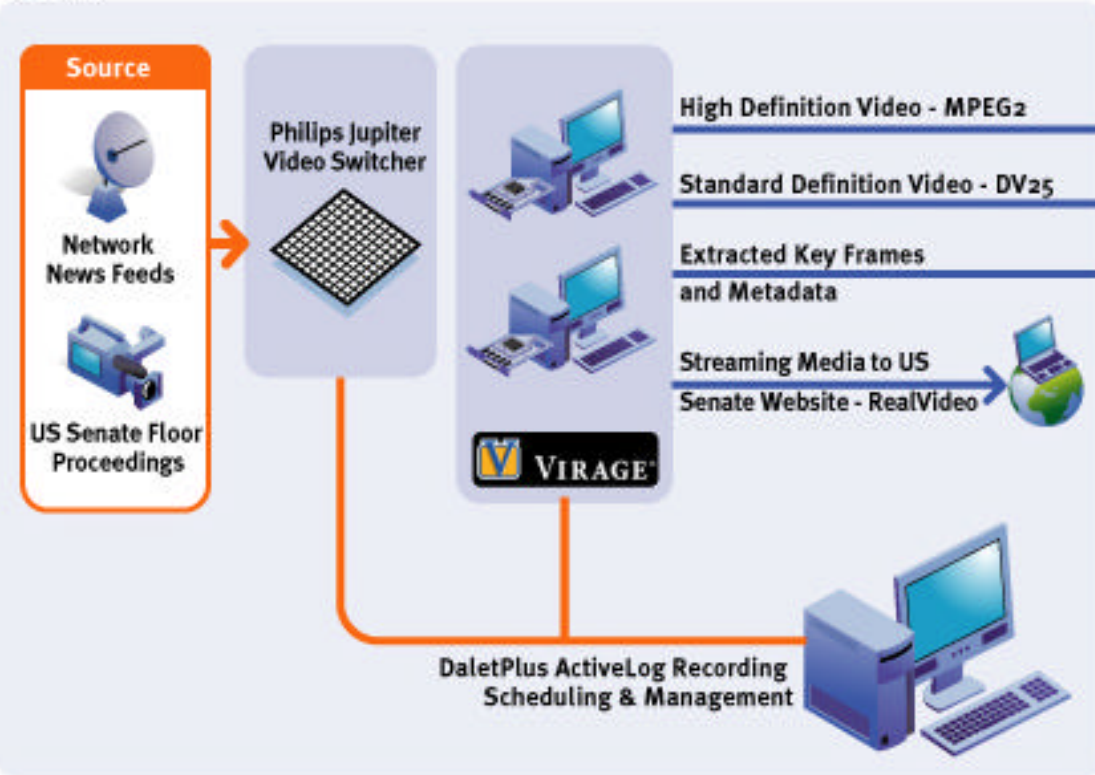
Simultaneously, DaletPlus ActiveLog manages the recording process of standard definition (SD) and high definition (HD) video to a central SAN.

As the media is recorded, the DaletPlus database automatically imports all the metadata generated by the Virage VideoLogger. Authorized staff members can quickly search on any keyword and retrieve the corresponding media clip within the DaletPlus ActiveLog client interface. DaletPlus ActiveLog automatically migrates the digitally recorded media files and metadata to a Sony Petasite HSM system, which is then sent to the National Archives and United States Library of Congress.

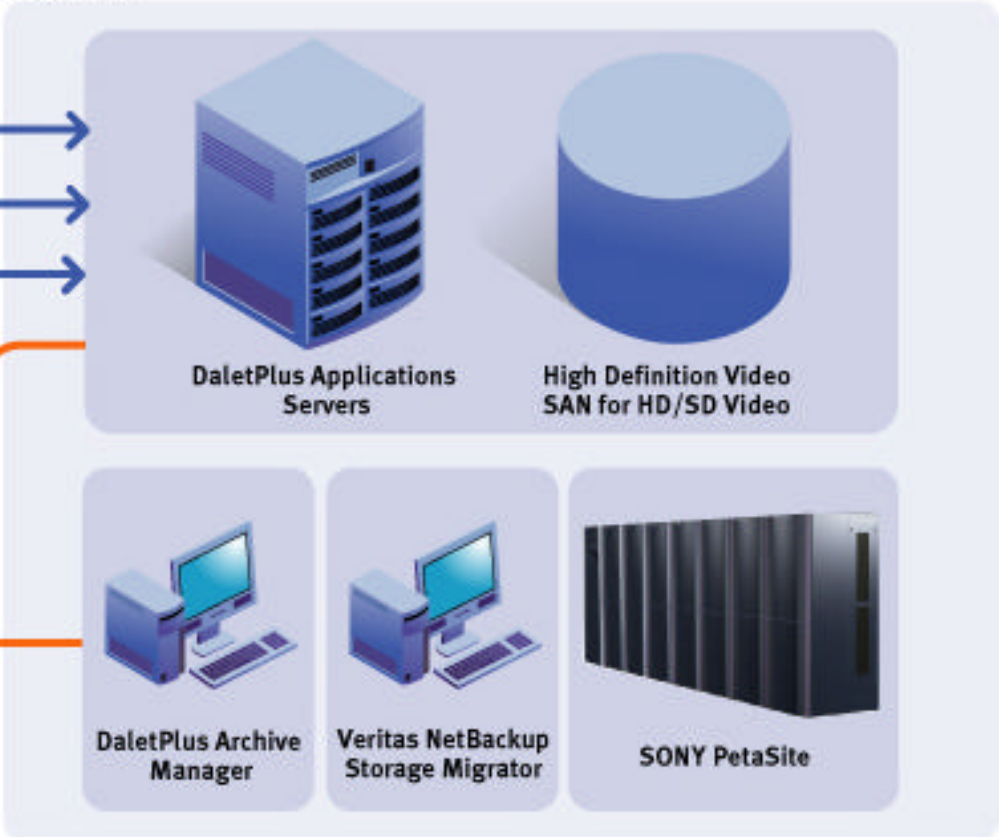
Broadcasting Senate Proceedings and News Feeds To Cable Television

The United States Senate television staff uses DaletPlus ActiveLog's *Media Surfer* feature to perform simple edits on the incoming news feeds. They remove any advertisements or unnecessary footage. Once the material is ready for re-broadcast, the staff creates a play out schedule for the proceedings and the news feeds using the DaletPlus ActiveLog schedule feature. Play out instructions are automatically sent to one of several Vector3 playout systems which broadcast the proceedings and the repackaged news feeds to the United States Senate cable channel.

Ingest



Storage



Scheduling & Repackaging



Playout

