

Quantum®

Spanish Public Broadcasting, Canal Sur (RTVA) Implements Centralized Archive Built on Quantum

Radio y Television de Andalucía (RTVA) is a public broadcasting company for the autonomous community of Andalusia. Part of RTVA, Canal Sur comprises three television channels and a public radio network with programming includes a variety of news and entertainment. Recently, the organization needed to centralize its content archive, creating a single environment where teams could preserve projects and readily access files. Working with Datos Media Technologies and TSA (Telefónica Servicios Audiovisuales), Canal Sur selected a managed storage service built on Quantum storage, which provides a robust production environment with a reliable, scalable, and accessible archive while enabling Canal Sur to avoid management burdens.

Established in the late 1980s, RTVA comprises the television stations Canal Sur, Canal Sur 2, and Andalucía Televisión, plus multiple radio stations and online web streaming channels. The broadcast TV stations deliver a range of engaging content, from news and political debates to magazine programs, cooking shows, movies, series, and Andalusian cultural content.

CASE STUDY



“Quantum is one of the most reliable, best solutions in the broadcast world, if not the number one storage environment specialized in audiovisual media.”

Pedro Espina Martínez
Technical Director, RTVA

FEATURED PRODUCTS

StorNext®



File System

Scalar®



Tape Storage



SOLUTION OVERVIEW

- Quantum StorNext® File System
- Quantum Scalar® i6000 Tape Library
- Quantum Xcellis® Workflow Storage
- Quantum QXS™ Hybrid Storage

KEY BENEFITS

Gained the scalability for fast-growing content volumes with easily expandible Quantum storage.

Centralized and consolidated the content archive, collecting content from and providing access to multiple teams.

Streamlined deployment and avoided downtime by sticking with Quantum StorNext.

Preserved and protected valuable media content, keeping archived copies of files in an online and tape archive.

Eliminated complex hardware management by selecting a managed storage service.

“The solution implemented by Telefónica, Datos Media, and Quantum works quite well, even while maintaining a working system as it was installed. It was implemented without any problems.”

Pedro Espina Martínez
Technical Director, RTVA

Preserving all of that content over the long term is critical for RTVA. The organization needs a scalable storage environment that can archive more material—including high-resolution files—while also helping to ensure its reliable availability for years to come. “The RTVA audiovisual archive is not only a broadcast archive,” says Pedro Espina Martínez, technical director of RTVA. “But because it is public, it is also considered a historical archive, a heritage asset of the autonomous community of Andalusia.”

The Canal Sur team uses Avid nonlinear editing systems for production and for many years has

archived content with Quantum tape libraries, managed by a Tedral archive management solution. The solutions worked well, but the organization wanted to centralize storage and archive environments. The leadership team needed to better support collaborative production work and also archive content received from teams across eight capitals of Andalusia.

In considering new solutions, the organization required an archive designed specifically for the broadcast world. “[We need] not only a solution with large storage capacity, but also one with sufficient transfer speed and low latency,” says Martínez.

Designing a Multi-Tiered Environment with Quantum Storage

Canal Sur's longtime partner, Datos Media Technologies, worked with Spanish broadcast system integrator, TSA (Telefónica Servicios Audiovisuales) to design a new storage solution. The combined team proposed a multi-tiered Quantum storage environment built for broadcast work that would support the Avid systems. For the archive, the team recommended using Quantum tape libraries plus an online archive with Quantum StorNext, Xcellis, and QXS.

"Canal Sur had already used the StorNext File System and tape libraries," says Tomas Nielsen, CEO of Datos Media Technologies. "So, it was an easy choice."

"Quantum is one of the most reliable, best solutions in the broadcast world, if not the number one storage environment specialized in audiovisual media," says Martínez. "Telefónica and Datos Media had no doubt whatsoever about the kind of solutions they included in their proposal."

Streamlining Migration and Avoiding Management Complexity with a Managed Service

For the new storage environment, Canal Sur opted for a managed service. Datos Media and Telefónica provide the service, in conjunction with Avid and Quantum StorNext as a subscription. The organization can benefit from uninterrupted availability without having to spend time and effort on hardware management or maintenance.

Implementation of the new managed service went smoothly. "Because Quantum has continuously supported LTO technologies and StorNext, the migration of media and databases to the new environment was very easy," says Nielsen.

The combined teams were able to make the switch to the new environment without downtime. "The solution implemented by Telefónica, Datos Media, and Quantum works quite well, even while maintaining a working system as it was installed," says Martínez. "It was implemented without any problems."

Preserving Vital Content and Maintaining a Historical Archive

The newly designed storage environment enables Canal Sur to send content directly from the production systems to the archive, allowing the team to begin preserving and protecting broadcast content immediately as it is ingested. Content is then automatically copied from the online archive to the tape archive for a second level of protection.

Providing a Single, Centralized Archive for Multiple Teams

Canal Sur now has a centralized storage environment with a single archive located at the Seville headquarters that can be used by geographically dispersed teams. The organization can ingest content from teams across Andalusia's eight provinces, keeping project files all in one, scalable and well-protected place. At the same time, this single archive environment enables teams from anywhere in the region to easily access the archived material that they need—and they can retrieve it fast when they use the online archive.

“It's a storage solution that is fully scalable, that can be fully evolved, and is adaptable to our new needs as they arise.”

Pedro Espina Martínez
Technical Director, RTVA



Gaining the Scalability for Growing Volumes of Content

By selecting a highly scalable Quantum solution, Canal Sur can continue to expand its storage easily. “The online archive is five petabytes today,” says Nielsen. “Over the next years, they plan to expand to eight or nine petabytes.”

The RTVA team knows they can protect and preserve more content, with higher-resolution formats for years to come. “It’s a storage solution that is fully scalable, that can be fully evolved, and is adaptable to new needs as they arise,” says Martínez.

ABOUT RTVA AND CANAL SUR

Radio y Televisión de Andalucía (RTVA) is a public broadcasting organization that provides radio and television services to the autonomous community of Andalusia, in the south of Spain. The RTVA Group has Canal Sur TV (3 TV channels), Canal Sur Radio (4 stations), and Canal Sur Media (3 web streaming channels). Programming includes a variety of news and entertainment.

ABOUT DATOS MEDIA TECHNOLOGIES

Headquartered in Madrid, Spain, Datos Media Technologies is dedicated to providing technology, consulting, integration, training, and support for building and improving workflows for media organizations. The Datos Media team has deep experience working with technology used for the production, archiving, and distribution of audiovisual content.

Quantum

Quantum technology, software, and services provide the solutions that today’s organizations need to make video and other unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum’s end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit www.quantum.com.

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