

Media & Entertainment

dailymotion

How has Scality RING helped Dailymotion's business? It's really simple: Scality RING gives Dailymotion's engineering team confidence that they can grow their storage capacity to meet the hyperscale growth of their content and business. And with 30% annual growth, that predictability is critical to success.



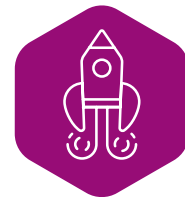
Lower TCO

Growing at 30% each year means expanding storage regularly. Scality keeps both acquisition and operations costs down and, thanks to the small footprint, it keeps facilities costs in check, too.



Performance & Reliability

Faster uploads and video delivery for the best possible user experience.



Scalability

Growth is constant, and storage has to accommodate without loss of service. With Scality, expanding storage is easy and seamless.

“The Scality solution fully meets our requirements, and the quality of the relationship—and the excellent support we receive from Scality—make it easy for us to see continuing to use the Scality storage solution into the future.” — Christophe Simon, System Architect for Dailymotion

The World in Video

Dailymotion is committed to video, believing that sharing video is sharing experience and variety in life. A worldwide presence, Dailymotion is headquartered in Paris, with additional offices around the world.

Second in video user traffic only to YouTube, Dailymotion.com has 300 million users from around the world who watch 3.5 billion videos from its player each month. And those users contribute too, to the tune of 7 hours of video uploaded every minute of every day. Whether live or on-demand, users can watch, follow and share sports competitions, music videos and festivals, comedy skits, political debates, fashion shows, gaming live-streams, home videos... the choices are nearly endless.

Maturity Matters

Dailymotion’s move to object storage, and its initial Scality installation in 2014, were prompted by concerns about performance and optimization for the best possible user experience, “We needed to ensure continued optimization and solid performance of our data storage infrastructure,” said Christophe Simon, system architect for Dailymotion. “The number of objects stored multiplies by double digits every year.”

Why Scality in particular? Dailymotion knew that a hardware-agnostic

solution would be best for them, because of the advantages that it brings in lowering TCO and simplifying growth over time. “Scality was the most obvious choice with regard to those specifications,” said

Business Benefits

Performance & Availability

If they can’t access and upload video quickly and easily, users won’t use the site, so performance and uptime are critical. Dailymotion’s engineering team monitors the upload and download speed and response times regularly to ensure the storage is meeting performance demands, and Scality performs.

Low TCO

A business that’s growing its storage by 30% a year needs reliable, predictable expandable storage. Using Scality, Dailymotion can control acquisition costs thanks to the use of standard x86 servers, and facilities costs, because the storage is efficient.

Easy Administration

Dailymotion keeps adding capacity to its Scality RING because it’s easy to manage; easy to grow.

Simon. Maturity was—and remains—a key factor. In 2014 and now, Scality has a well-developed, broadly-deployed solution that undergoes timely evolutionary enhancement. “We did not find other object storage

solutions to be as mature as Scality RING,” added Simon.

Right from the start, Scality showed significant performance improvement over EMC Isilon, which had been the sole storage vendor before the 2014 move to Scality. And, it was clear that Scality RING would simplify filling future storage needs with its more straightforward architecture, ideal for a robust service. Using Scality RING directly behind the application servers, rather than using an intermediary tier of protocol servers, simplified the overall architecture and reduced the total amount of hardware and storage and server maintenance.

Growth Happens

Centered in its busy Paris headquarters, Dailymotion’s engineering hub is supplemented by additional facilities in New York and Sophia Antipolis, a technology park in the South of France. The organization has three different storage systems in place today serving multiple use cases, though Scality RING is the dominant storage. They have four Scality RINGS, across four different sites, installed on HPE HP SL4540 and HP XL450 servers. The main RING is in Paris, and is used for video distribution. The company added a couple of petabytes just to store backups last Fall, and added 9PB at three new Scality RING installations in

New York, Singapore and Sunnyvale in the Spring of 2017 for the video distribution function, providing local cache/points of presence to enhance the user experience. It's easy to see why they sought a solution that could grow easily. All of the expansions have gone smoothly, and Scality provides more than 30 usable petabytes as of the Spring of 2017, and is poised to continue to grow with Dailymotion's needs.

While Scality is the main storage now for Dailymotion, other storage is still in use there as well, because the company has a dual-sourcing policy. They're using a small amount of EMC Isilon, the storage that Scality largely replaced, to hold some video logs and archives; and some OpenIO for

video storage. "The performance, stability and reliability are what impress us most about Scality," said Simon. "The Scality solution fully meets our requirements, and the quality of the relationship—and the excellent support we receive from Scality—make it easy for us to see continuing to use the Scality storage solution into the future."

Dailymotion continues to add to their Scality RING capacity over the years. Its initial 7 usable petabytes in 2014 grew to 12 in 2015, 22 in 2016, and to more than 30 just halfway through 2017. The reasons that Simon cites for this are pretty straightforward, "It allows us to confidently grow our storage capacity. We haven't encountered any issues yet."

Solution Components

Software-Defined Storage

- Scality RING
- HTTP/REST storage interface

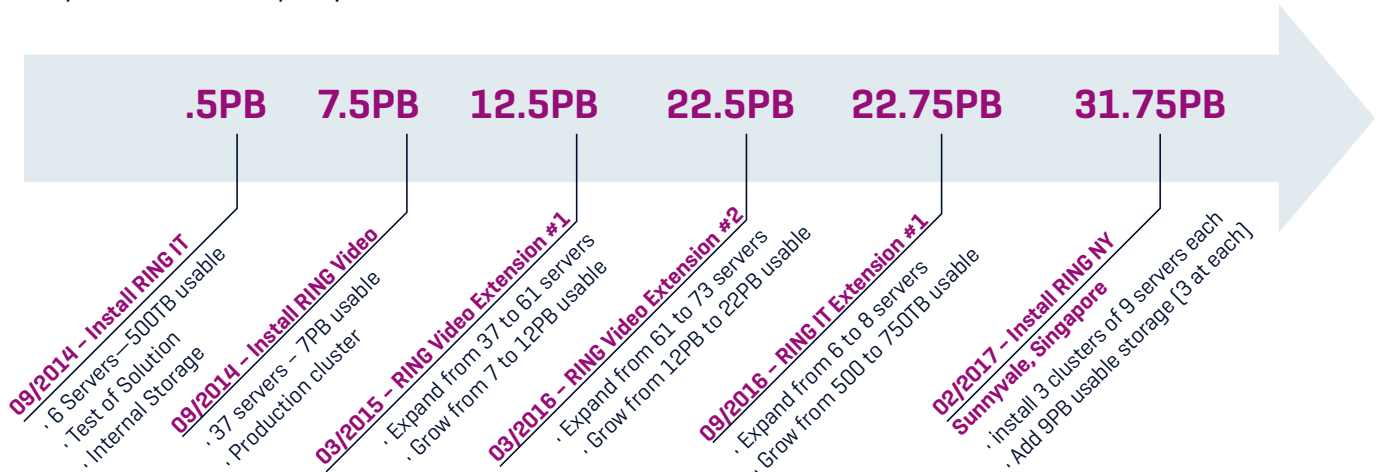
Storage Hardware

- 90 HP SL4540 servers
- HP Proliant XL450 servers

Third-Party Applications

- ATM, dailymotion's internal encoding software

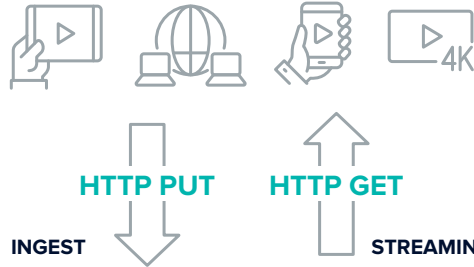
Dailymotion Scality Expansion Timeline



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INTERNET-CONNECTED DEVICES

(Variety of users' Internet-connected devices contributing video to the site and streaming video from it.)


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Dailymotion's ATM, internally-developed, proprietary applications for ingest, encoding and distribution of video



Access from anywhere, on any device

About Scality Scality, world leader in object and cloud storage, develops cost-effective Software Defined Storage (SDS): the *RING*, which serves over 500 million end-users worldwide with over 800 billion objects in production; and the open-source S3 Server. Scality RING software deploys on any industry-standard x86 server, uniquely delivering performance, 100% availability and data durability, while integrating easily in the datacenter thanks to its native support for directory integration, traditional file applications and over 45 certified applications. Scality's complete solutions excel at serving the specific storage needs of Global 2000 Enterprise, Media and Entertainment, Government and Cloud Provider customers while delivering up to 90% reduction in TCO versus legacy storage. A global company, Scality is headquartered in San Francisco.

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