



Video Content Distribution: How RTL II got it right with HP + Scality

Joseph George, HP Director of Big Data Solutions

RTL II

German TV station boosts video transfer speeds tenfold with HP ProLiant SL4540 Gen8 Servers and Scality RING



Business Need

- Support a rapidly growing video archive expanding by 200 terabytes per year
- Improve performance of transferring video content for broadcast and online streaming
- Consolidate and simplify the storage and archiving infrastructure
- Improve flexibility to handle multiple storage workloads

HP Solution

- HP ProLiant SL4500 Scalable System
- HP ProLiant SL4540 Gen8 Servers
- Red Hat Enterprise Linux
- Scality RING

Customer Outcome

- Reduced transfer time for 40 MB movie from 60 – 70 minutes to 6.5 minutes
- Assured delivery of the latest broadcast information by accommodating last-minute input and changes
- Increased the amount of video content that can be moved to online outlets for streaming
- Simplified support with a standard hardware design

HP and Scality can scale the active video archive to 3.5 petabytes in 50% less space than before



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“Our ultimate goal is having one storage platform for everything. That’s what Scality and the ProLiant SL4540 offer. They bring efficiency, performance, and virtually limitless scalability.”

— Reinhard Görtner, Vice President IT and Services

RTL II



HP ProLiant SL4540 is built for the data explosion

- **Unprecedented drive capacity** with 3.24 PB in a single rack ¹
- Delivers **scalable performance** across multiple drive technologies (SSD, SAS or SATA)
- **Energy savings** with shared cooling and power and **reduced complexity** with fewer cables
- **Flexible compute**, up to 3 compute nodes

<http://techcomm.cca.hp.com/whitepapers/2013/TC1302960.pdf>



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|---|-------------------------------------|--------------------------------------|--------------------------------|
| UP TO 27 Compute nodes per rack | UP TO 540 Drives per rack | UP TO 500K IOPS per server | UP TO 3.2PB per rack |
|---|-------------------------------------|--------------------------------------|--------------------------------|

HP and Scality: A Winning Combination

- **HP's energy efficient SL4500 for cost savings coupled with the Scality Ring for improved economics**
- **Focus on innovation**
 - HP SL4500 – the worlds first purpose-built server for big data
 - Scality Ring – **utilize new storage technologies**
- **HP/Scality engineering co-development for continued joint focus on innovation**





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www.hp.com/go/ProLiant/BigDataServer