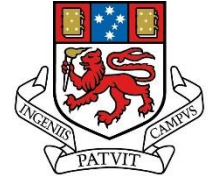


# Deuxièmes rencontres HPSS France

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5 et 6 avril 2018

2018-Q2



UNIVERSITY  
OF TASMANIA

1  
Université de Tasmanie

## The Customer

- ▶ The University of Tasmania (UTAS) is a public research university primarily located in Tasmania, Australia. The University has four faculties, one college, some divided into schools, and three institutes. There were 33,879 students in 2014.
- ▶ UTAS is an old HPE DMF customer, and they were planning to issue an RFP to replace their aging infrastructure. They have today about 3.5 PB of data and expect an increase over 10 PB in the next 3 years. They were also requesting that data be protected on a secondary site, a few kilometers away.

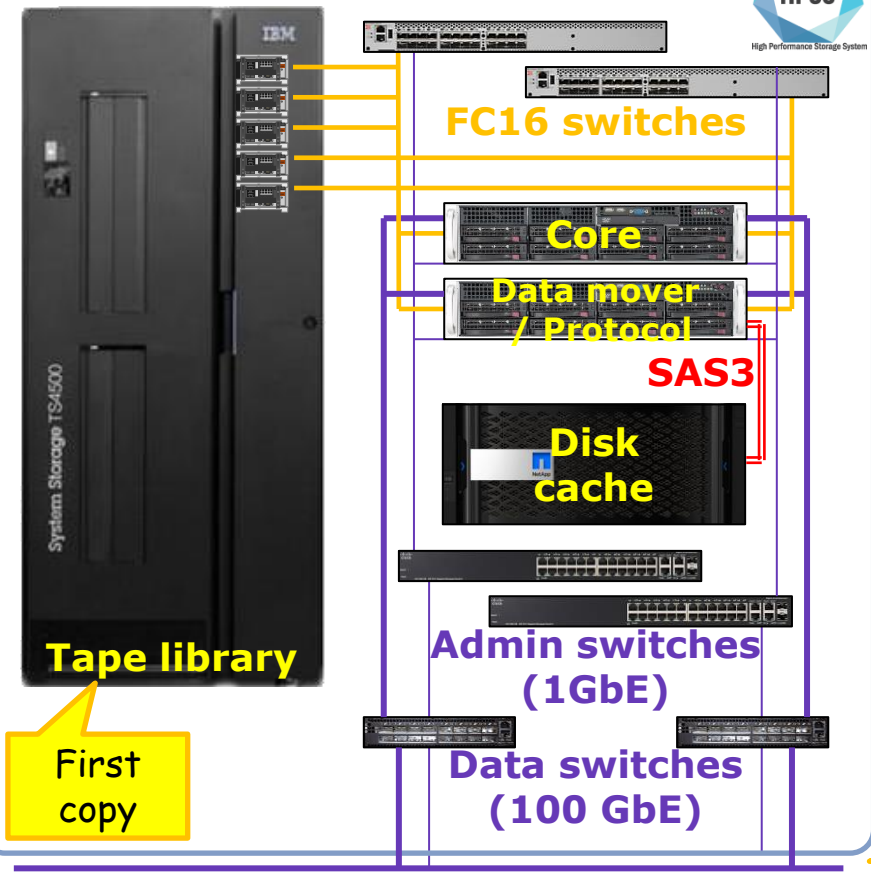
## The Challenge

- ▶ The customer was facing 3 main challenges: HPE DMF license model is based on capacity, and the university was expecting of huge increase of license fees; switching to another product requires a data migration that could severely impact users; furthermore, the future of DMF was unclear after SGI was acquired by HPE.
- ▶ Our challenge was to convince the customer to avoid an RFP and go to a non-competitive procurement, as we were identified as the only supplier able to provide a solution to all the customer challenges. That's what happened.

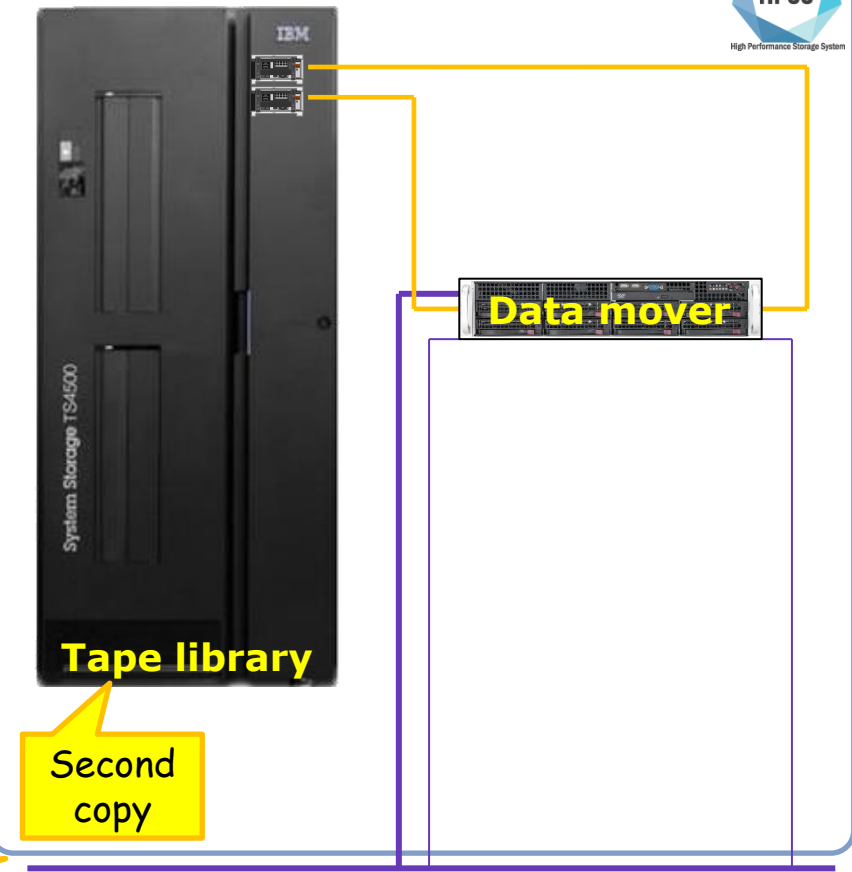
## Keys to success

- ▶ Thanks to a strong partnership with the HPSS team from IBM in Houston, we were able to demonstrate technical superiority of HPSS over DMF in terms of scalability, robustness, multi-site and openness.
- ▶ We also offer a complete and seamless data migration service from DMF to HPSS, as it has been done at Météo-France.
- ▶ The HPSS service model is not based on capacity, so the customer can cope with the increase in capacity by simply adding consumable tape cartridges at a low marginal price.
- ▶ Atos presence in Australia.

# Primary site



# Secondary site



Ethernet backbone

# Offer summary



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- ▶ **Hobart:** multi-tier storage system
  - HSM software **IBM HPSS**: leading solution in high performance and high scalability hierarchical storage
  - Disk tier on **NetApp E5700** arrays;
  - Tape tier on enterprise-class **IBM TS4500** libraries, with **Jaguar TS1155** tape drives designed for intensive usage, and high capacity media **JD** (15 TB on a single tape)
  - **BullSequana X430** servers
  - Networks: 100GbE for data (**Mellanox**), 1GbE for management, SAN-FC for tape traffic (**Brocade**)
- ▶ **Complete service offer**
  - Project management (design, integration, qualification, documentation, training)
  - Migration of the existing data hosted by SGI DMF system
    - 24 hour downtime to migrate the metadata on IBM HPSS
    - Transparent access to the data itself during background file migration
  - Maintenance and support (level 1 and 2)
- ▶ Entry into service: 2Q2018

# The World of HPSS



# Merci

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Pour plus d'informations, contactez :

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