



## NL Service Challenge Plans

Kors Bos, Sander Klous, Davide Salomoni (NIKHEF)  
Pieter de Boer, Mark van de Sanden, Huub Stoffers,  
Ron Trompert, Jules Wolfrat (SARA),  
Hans Blom, Freek Dijkstra, Paola Grosso (UvA),  
Peter Michielse (NCF)

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# Updated Planning

- **March: SC2, sustained 100 MB/s disk-disk *DONE!***
- **April: new disks, new network *DONE!***
- **May: new hardware, install & test SRM/dCache**
- **June: tape tests, reduced bandwidth**
- **July: SC3, sustained 50 MB/s disk-tape**
- **August: vacation 😊**

*thanks to group of the UvA*

- **Used a cluster of 4 nodes for SC2:**
  - The whole cluster is bigger (9 nodes)
  - 64-bit dual Opteron at 2 GHz and 3 GB RAM
  - 2 (SATA) data and 1 system disk 250 GB per node
  - Reached ~40 MByte/s writing
  - 1 Gb/s fiber NIC
  
- **Now upgraded to:**
  - 12 disks (250 GB) per node
  - 4 nodes RAID0, and 4 nodes RAID5
  - Test with RAID5 system shows ~100 MByte/s writing ?
  - Test with RAID0 not done yet
  - 10 Gb/s fiber NIC on all nodes



## More new hardware *to connect to SARA SAN*



*Arrived:*

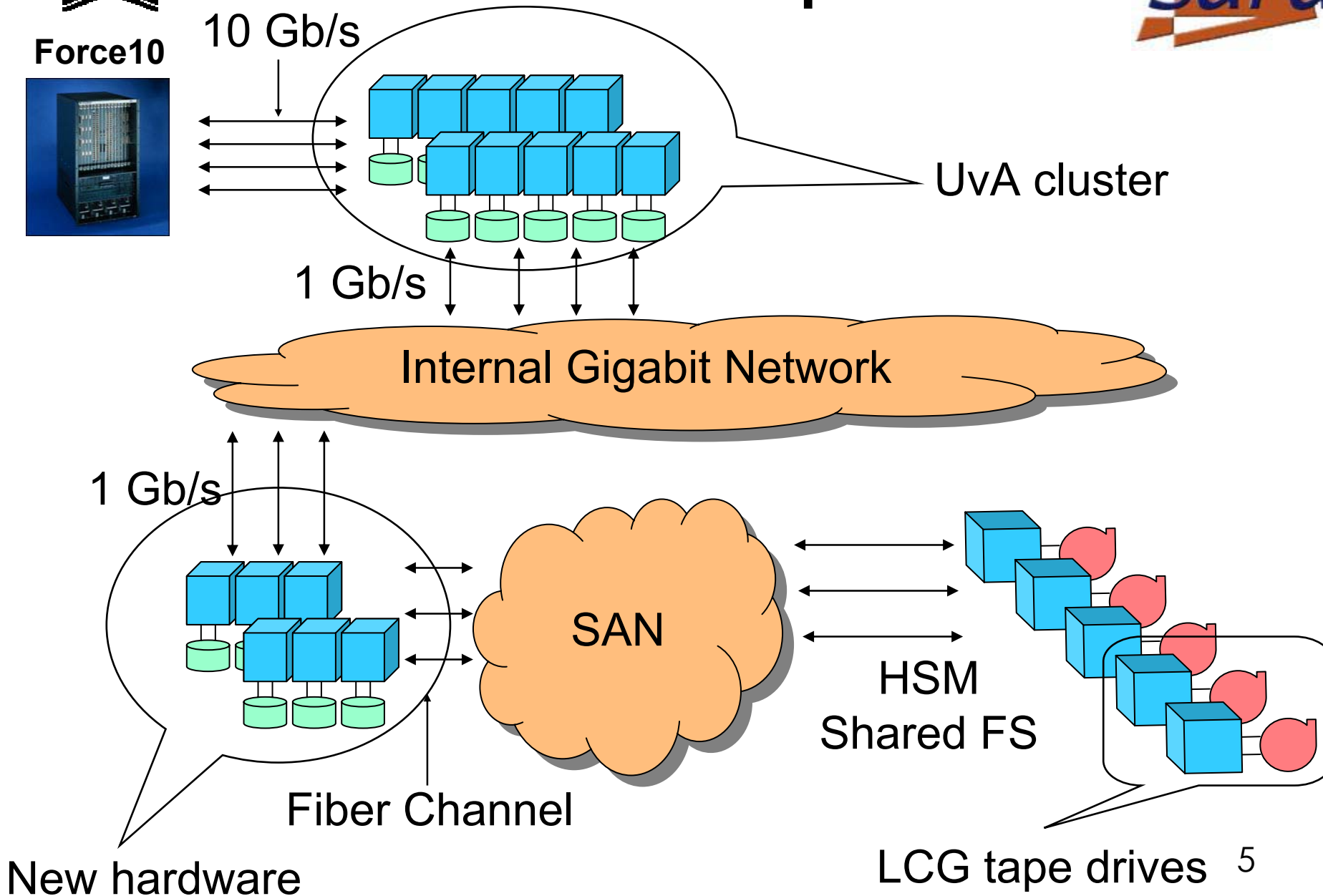
- **3 Dell Power Edge 1850**
  - 32-bit dual Xeon at 3.0 GHz and 4 GB RAM
  - 2 SCSI system disks
  - I/O Riser card
- **1 Dell PowerConnect 5324**

*Not yet arrived:*

- **SGI TP9300 Storage array**
  - 14 x 250 Gbyte SATA disks
- **2 x 9940B tape drives**



# SC3 set up





# New Network

*10 Gbit/s tests*



## **10 G/sec has been configured**

- Problem: WAN-PHY to LAN-PHY conversion
- Borrowed Foundry from Canadians (Wade Yong)
- Univ. of ALberta may keep it until end July

## **June: Vancouver 10G/sec tests**

- For 3 weeks
- We swap our 10G with their 2 x 1G
- End June: swap back



May



- **tests with 10 G and new disk array**
- *Huub, Sander*
- **Install and test SRM & dCache on new hardware**
- *Mark, Ron*

- **Swap network with Vancouver**
  - *Pieter, Paolo*
- **First tape tests**
  - *Mark, Huub, Ron*
  
- **End June**
  - swap back
  - final preparations for SC3