Service Challenge dCache at FZK

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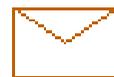
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http://www.gridka.de

Introduction

- dCache environment

- Pool behaviour

- Ganglia screen shots

- File systems

- Tape Connection

- Conclusion

dCache environment

FZK/GridKa
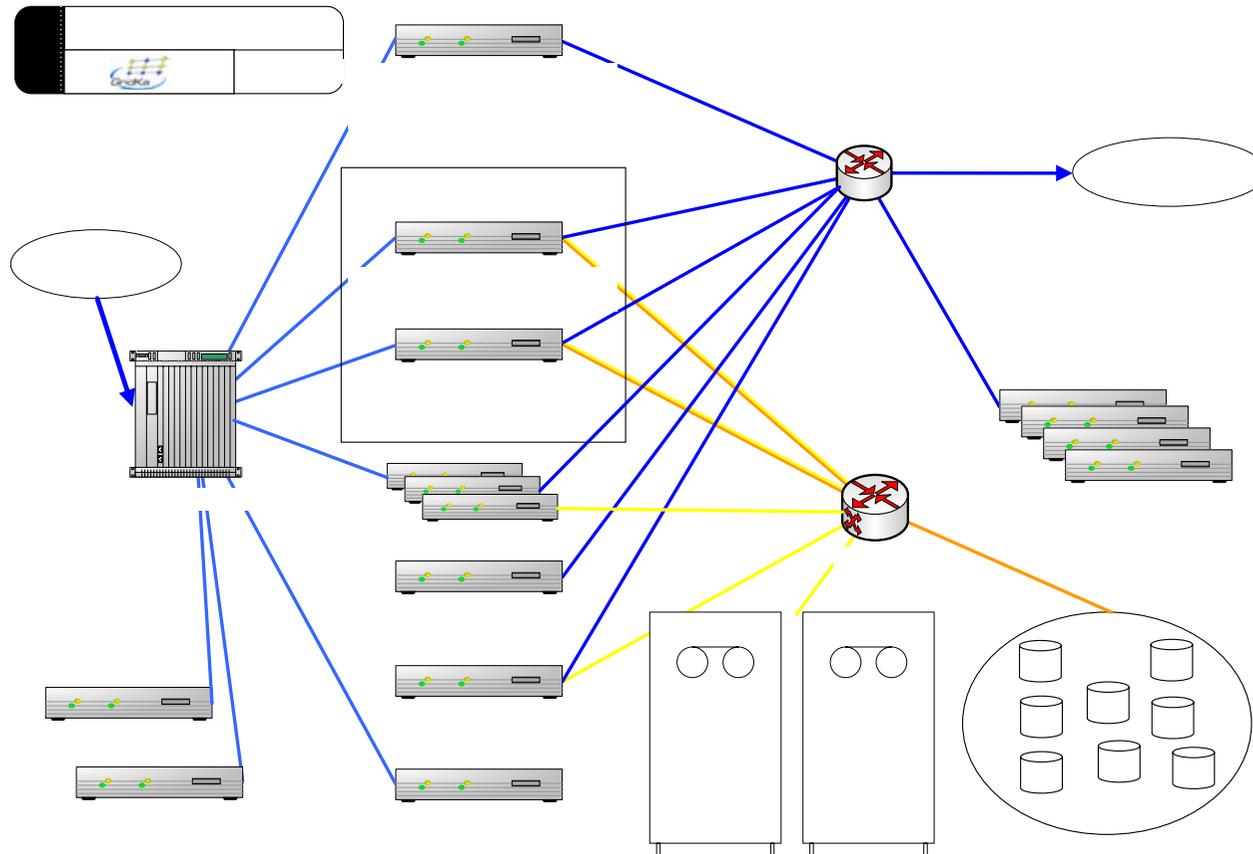
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	DESY-FZK		FZK-DESY		Castor-FZK	FZK-Castor	FZU-FZK		FZK-FZU	
pushmode (false/true)	f	t	f	t	f	t	f	t	f	t
F01-015-101-e	X	✓	✓	✓	X	X	X	✓	✓	✓
F01-015-105-e	X	✓	✓	X	X	X	X	✓	✓	X
F01-015-106-e	X	✓	✓	X	X	X	X	✓	✓	X
F01-015-108-e	X	✓	✓	X	X	X	X	✓	✓	X
F01-015-110-e	X	✓	✓	X	X	X	X	✓	✓	X
F01-015-102-e	✓	✓	✓	✓	✓	X	X	✓	✓	✓
F01-015-107-e	✓	✓	✓	✓	✓	X	X	✓	✓	✓
F01-015-109-e	✓	✓	✓	✓	✓	X	X	✓	✓	✓

# Ganglia screen shots from 29.08.05
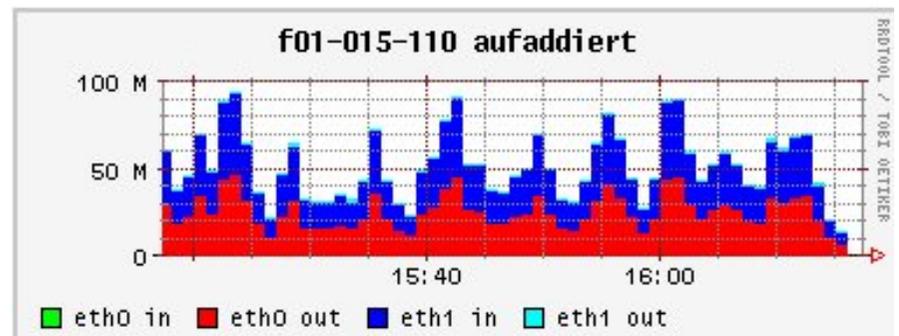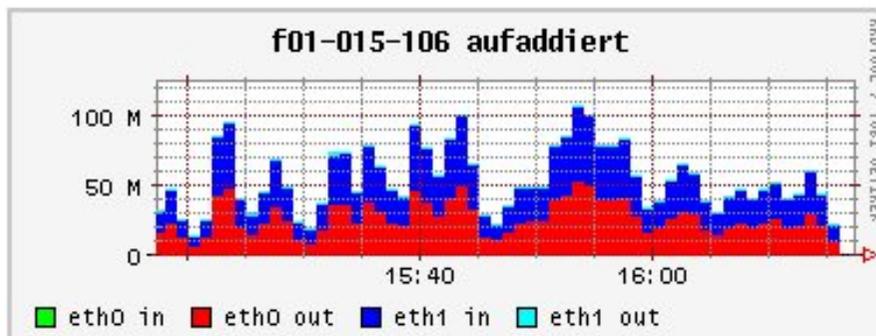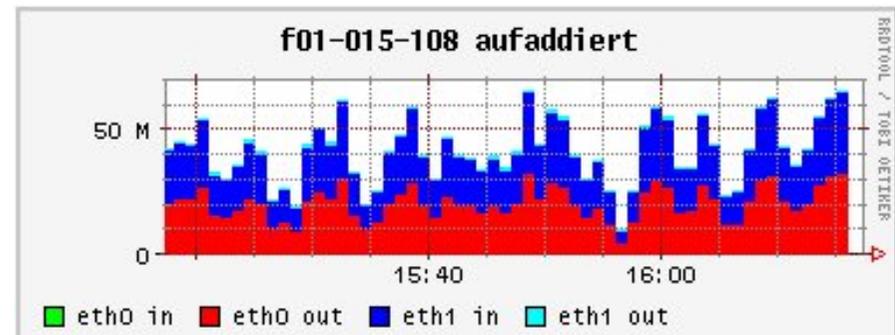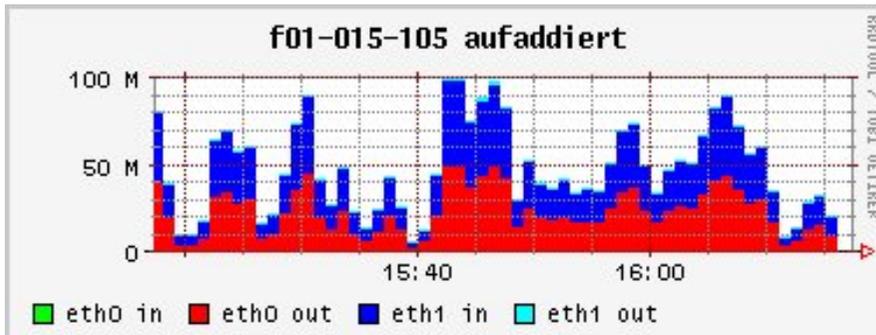
Ganglia screen shots from 29.08.05
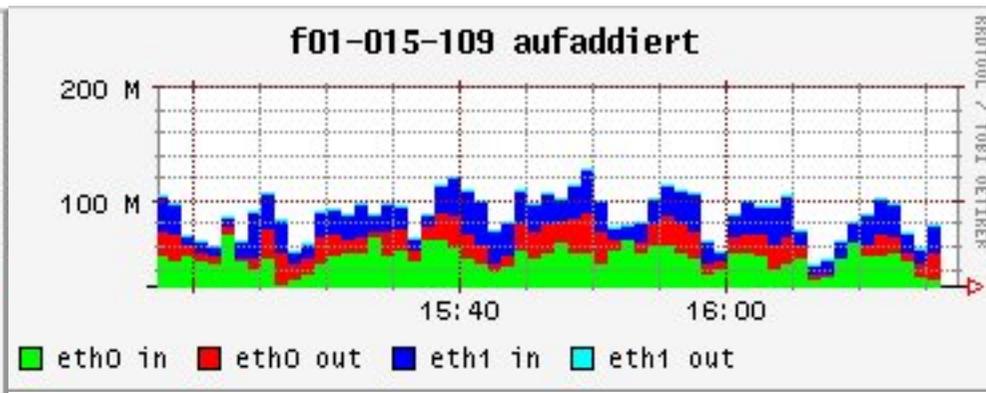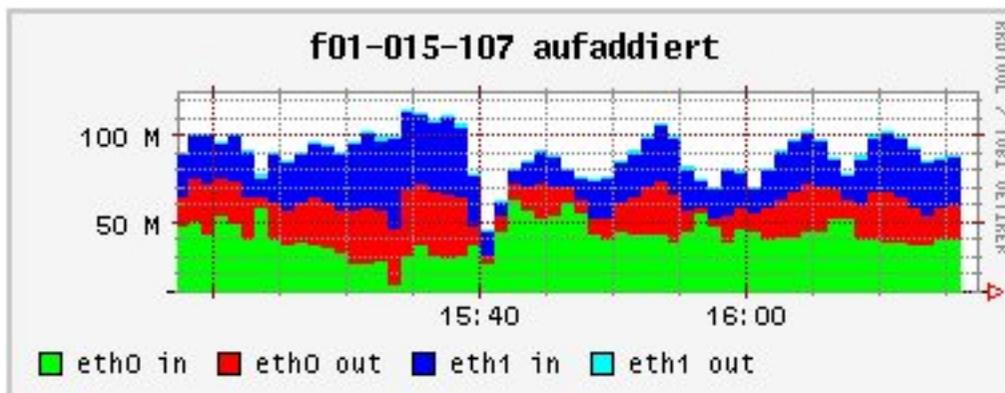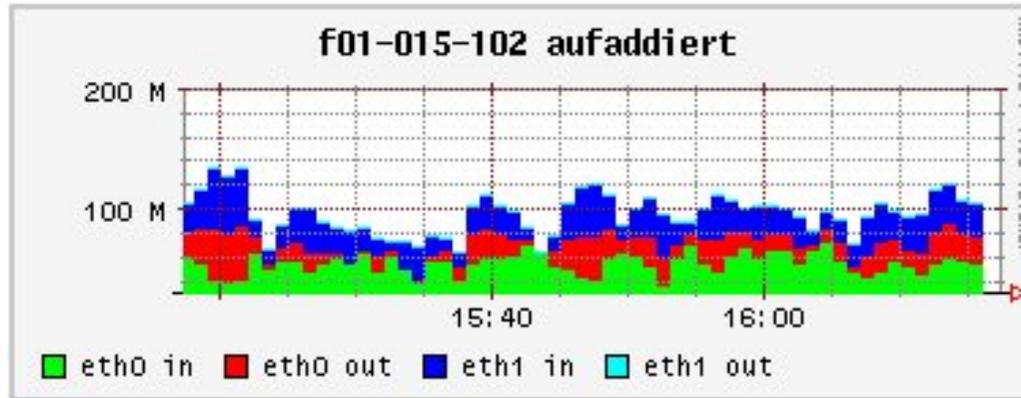
File systems

- Pool nodes on ext3 filesystems

  – to delete files the pools were disabled and could not be used for hours

- Pool nodes on gpfs filesystems

  – is working fine

Production library
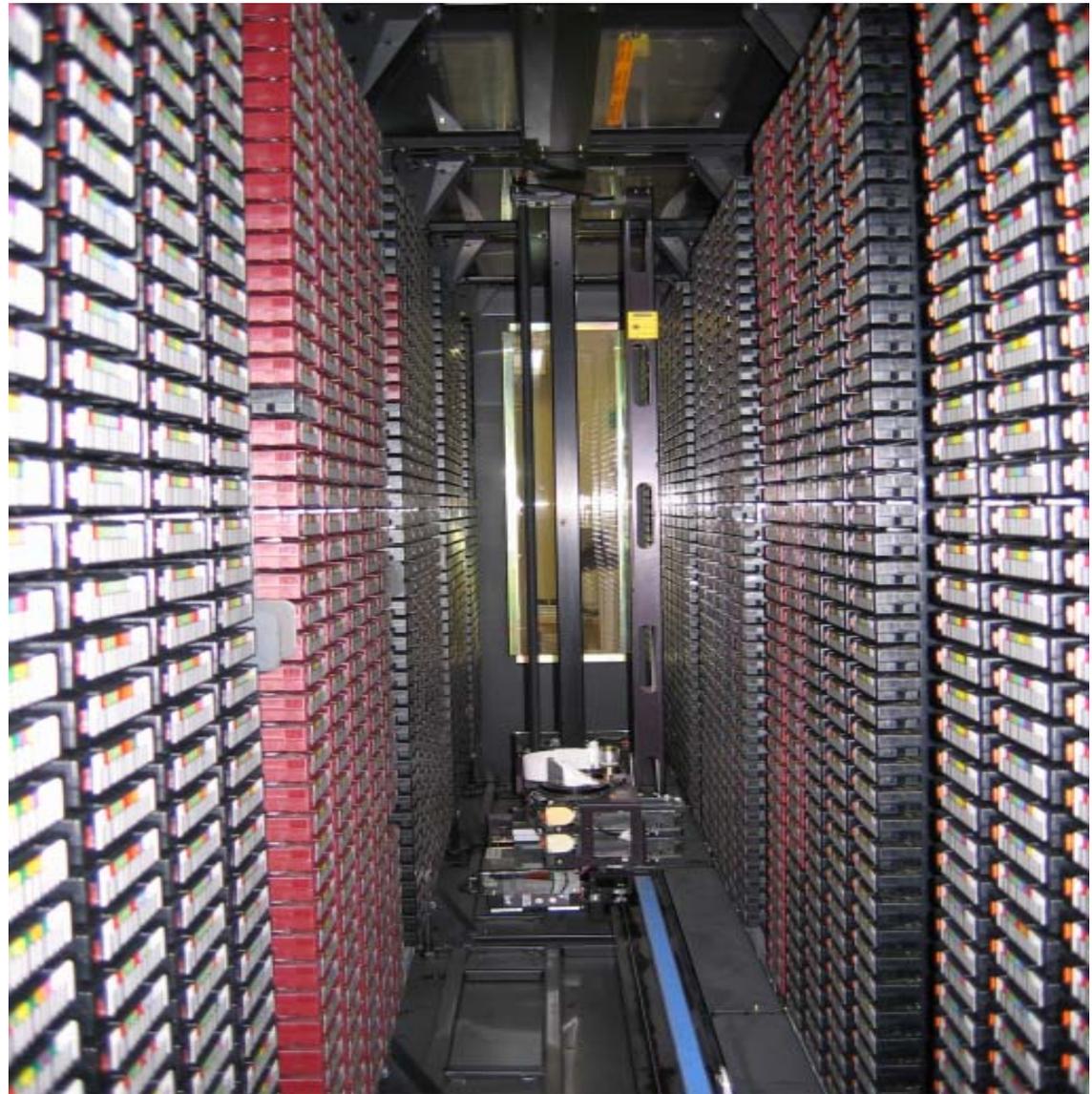
Library for service challenge
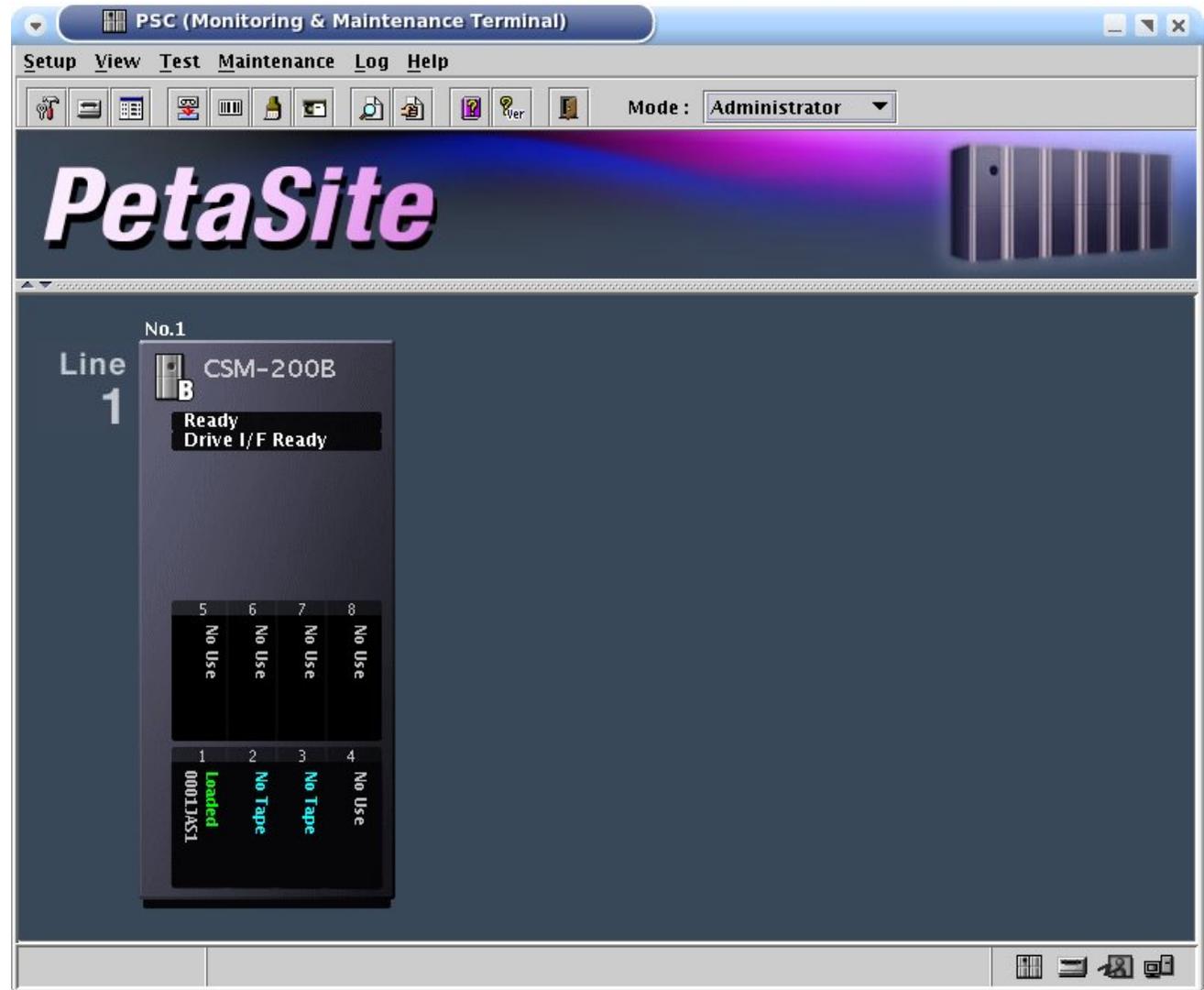
Conclusion and Future Work

- Pool configuration / network setup
  - since last dCache upgrade
- Connection to tape library
- FTS server is operational
- FTS put creates extra transfer between gsiftp-doors and pool nodes
- LCG storage element is it used for SC3?

- More at http:/www.gridka.de/SC/sc.html

Thank you for your attention!

Questions?