Systems Engineering Update

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Introduction

• Highlights here

• Read the full report in Indico
DITL 2019

• 11.8TB of PCAPs from 20 participants

• Long tail of uploads completed by May 3

• Post-processing and publishing of data delayed
Things are Looking Up

- Significant improvements in a small number of areas
- Incremental improvement in many others
- Time is a problem
Monitoring Rebuild

Host Summary
- 0 Hosts Down
- 49 Up

Service Summary
- 0 Services Critical
- 307 Ok
- 2 Critical (Handled)
Data Centre Rebuild

• Replaced (and added) 1-gig switches
• Reorganized servers for better power distribution
• Shorter and fewer cable runs
• Much tidier
Recycled Hardware
After
DNSVIZ

• Thanks to Casey Deccio for developing this service.
• Also thanks to Verisign for previous hosting and hardware
• Issues getting database server back online
File Servers

• FS5 (pool5b) due for upgrade this summer
• Old hardware issues
• Delays to data processing for DITL
File Server Re-Engineering

- Need to consider a new architecture
- Short term capital implications
- Hopefully long term capital savings
- Need to model budgets over several years
PLEASE READ THE FULL REPORT

AVAILABLE FROM THE OARC 30 TIMETABLE IN INDICO

https://indico.dns-oarc.net/event/31/contributions/697/