

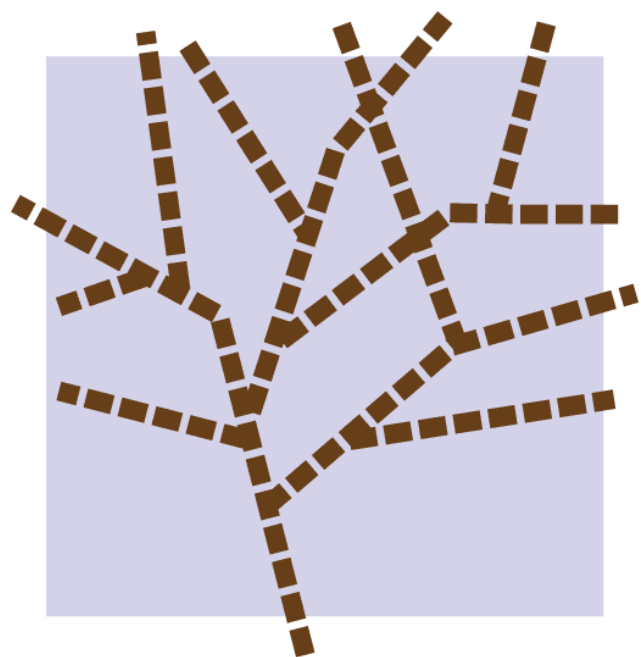


Systems Engineering Update

Matt Pounsett, Systems Engineer
OARC 30 – Bangkok, Thailand
May 2019

Introduction

- Highlights here
- Read the full report in Indico

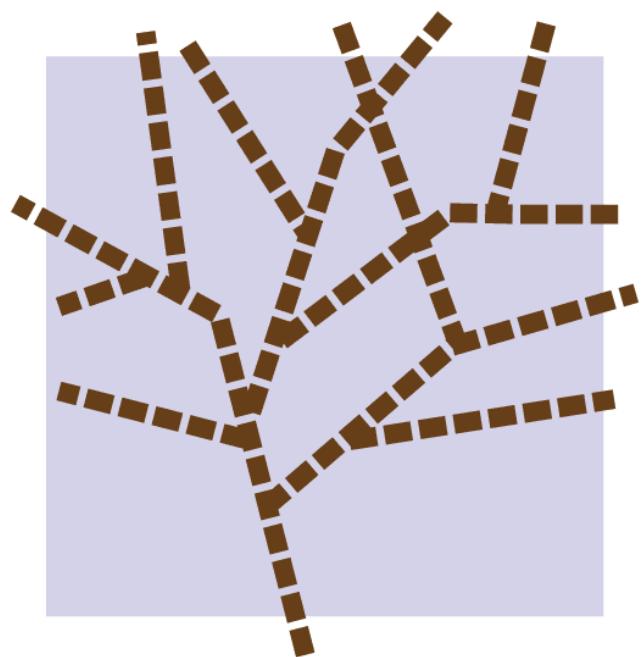


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DITL 2019

- 11.8TB of PCAPs from 20 participants
- Long tail of uploads completed by May 3
- Post-processing and publishing of data delayed

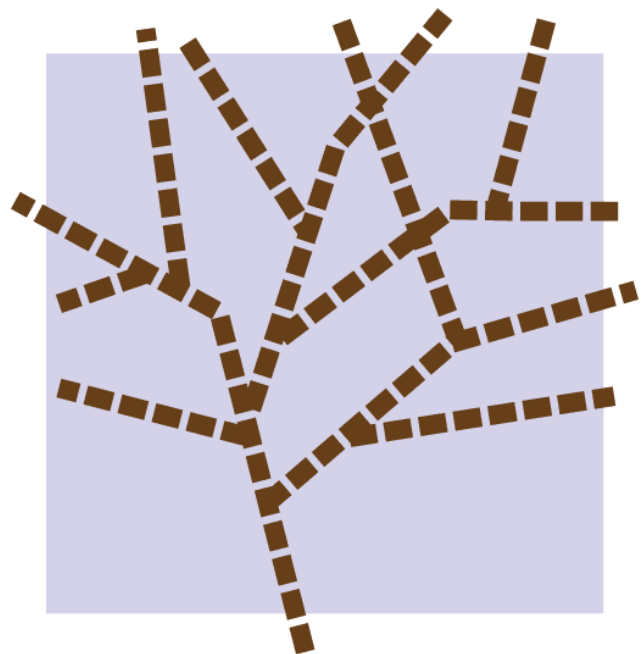


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Things are Looking Up

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

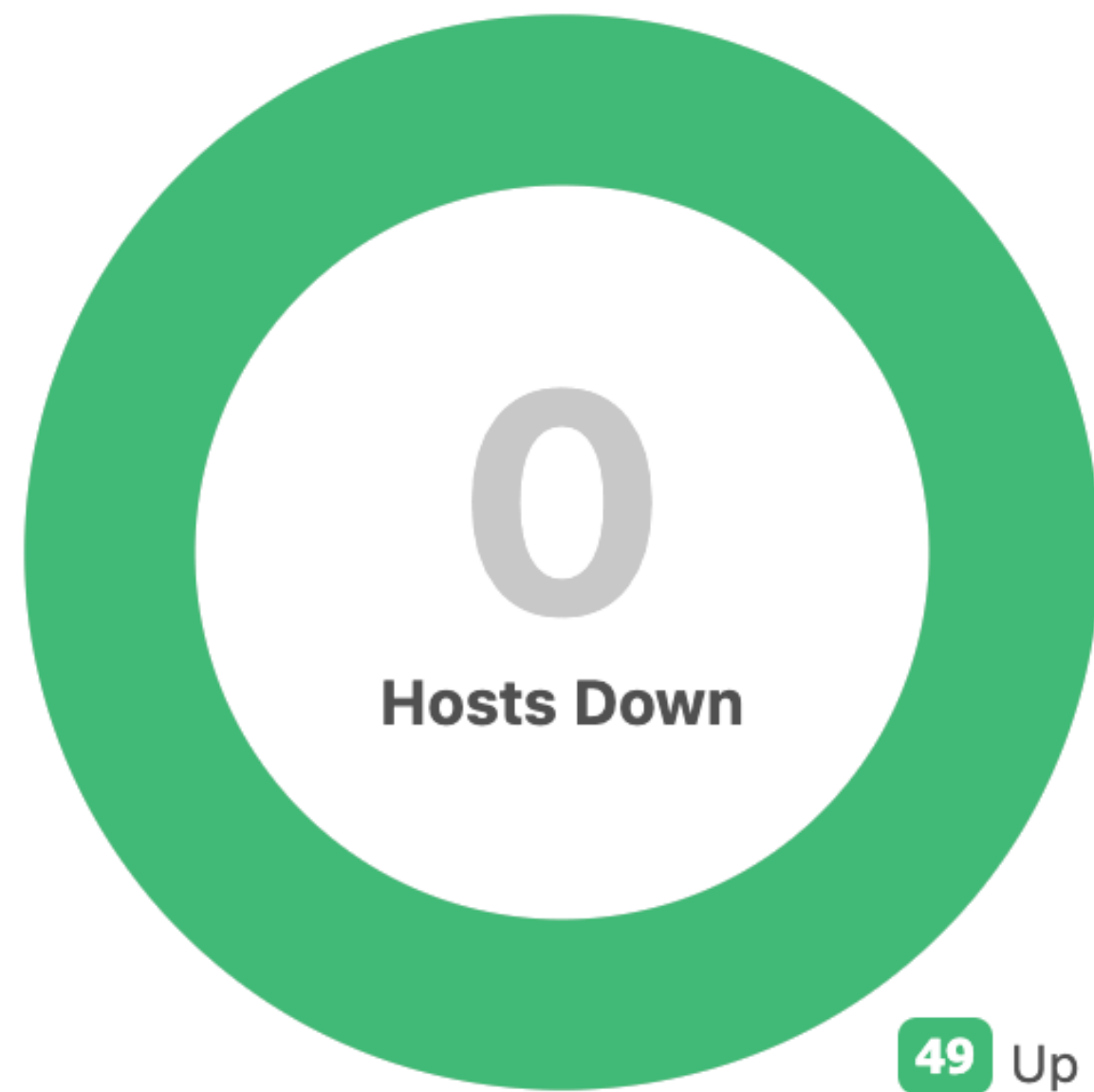


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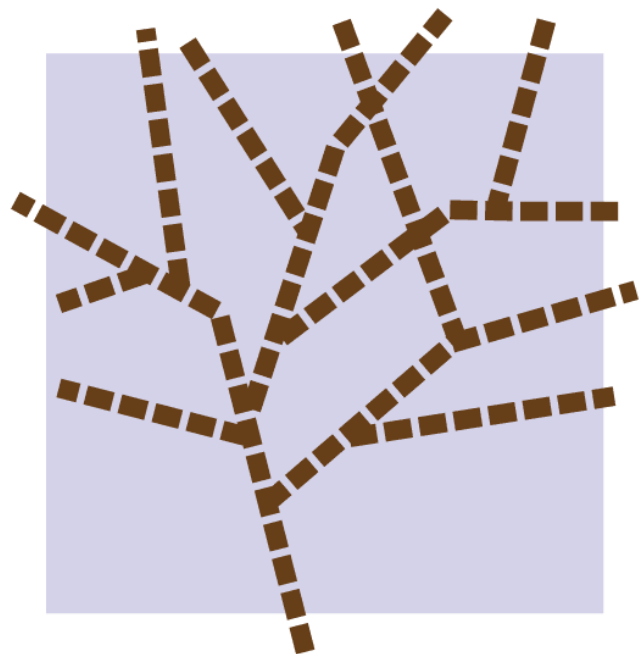
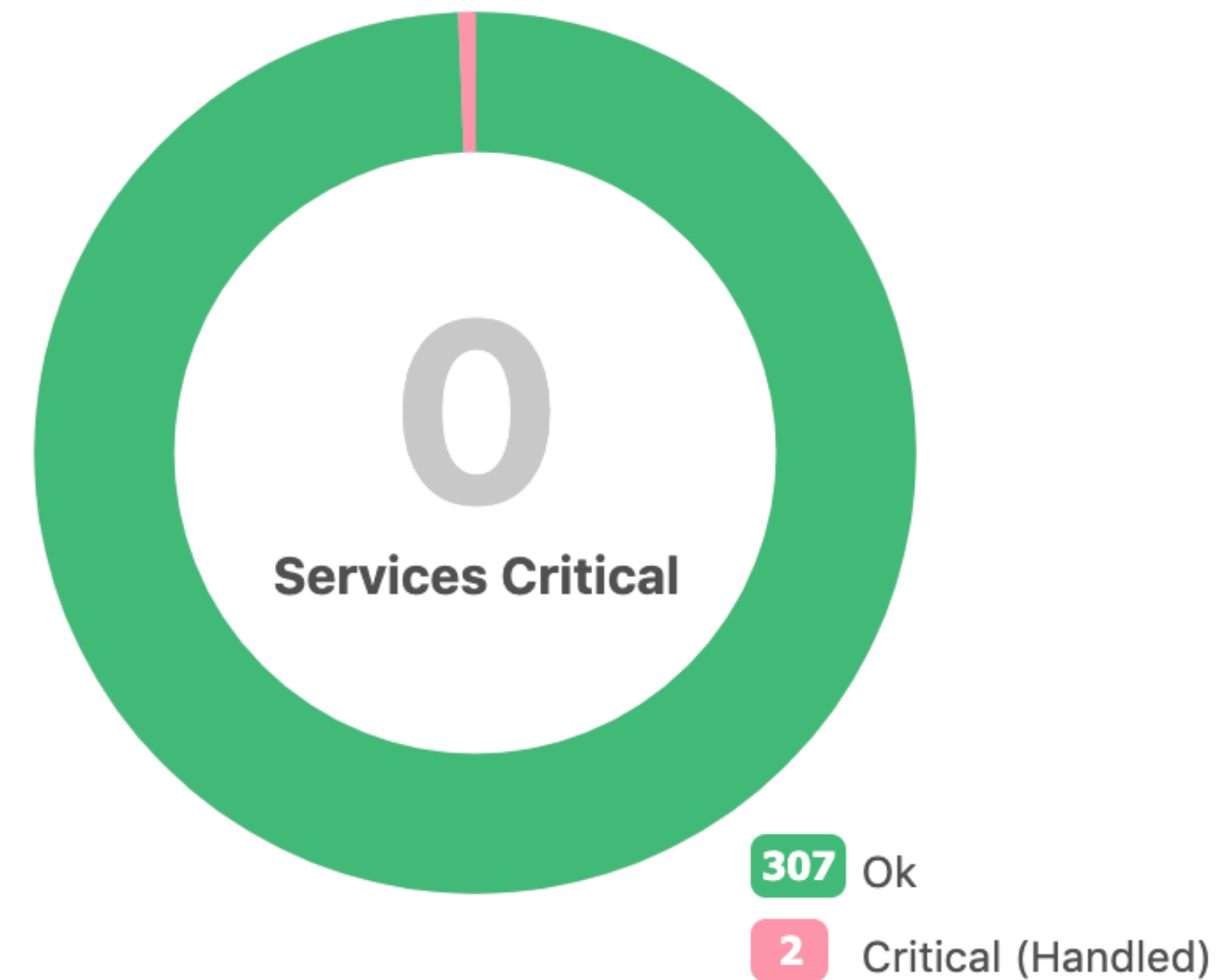
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Monitoring Rebuild

Host Summary



Service Summary

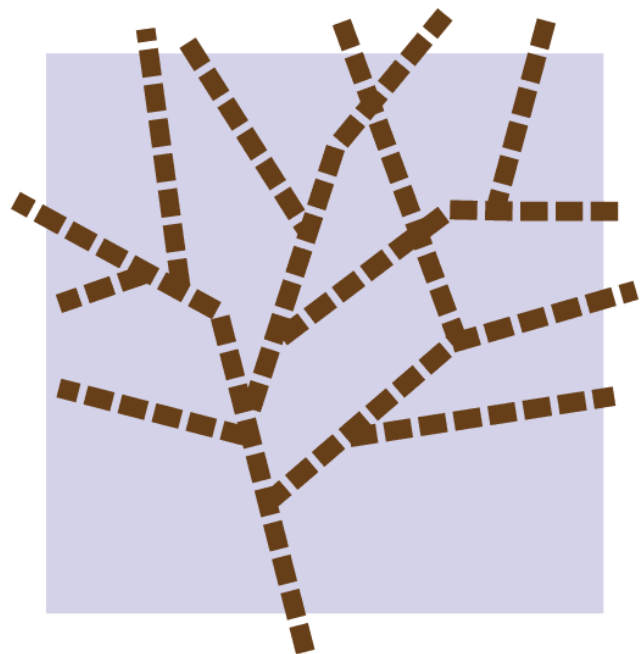


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Data Centre Rebuild

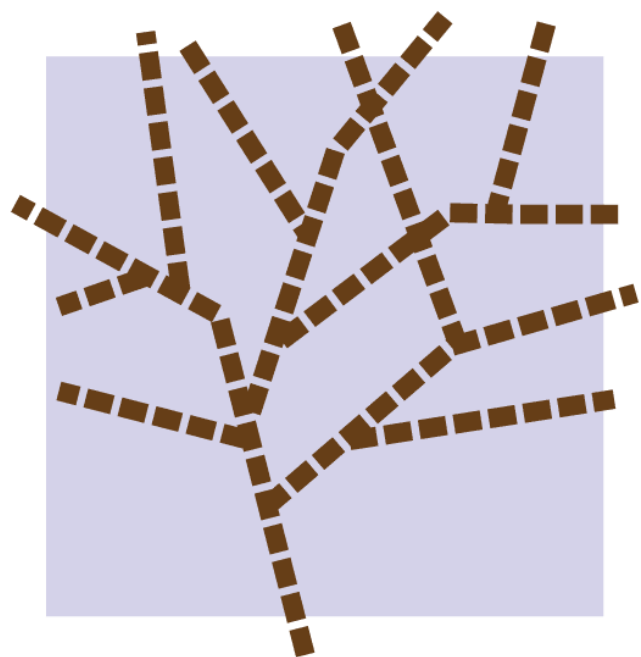
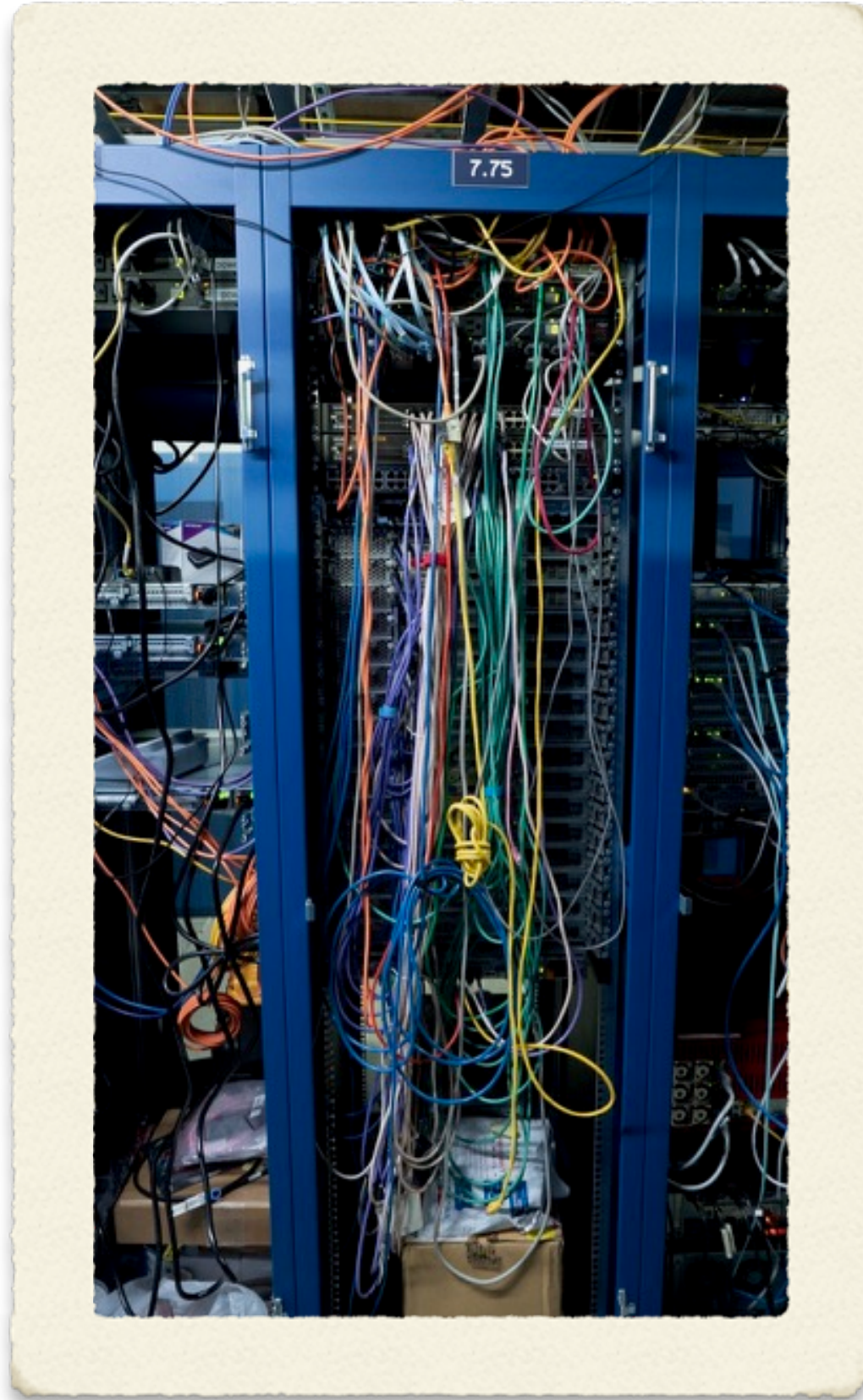
- Replaced (and added) 1-gig switches
- Reorganized servers for better power distribution
- Shorter and fewer cable runs
- Much tidier



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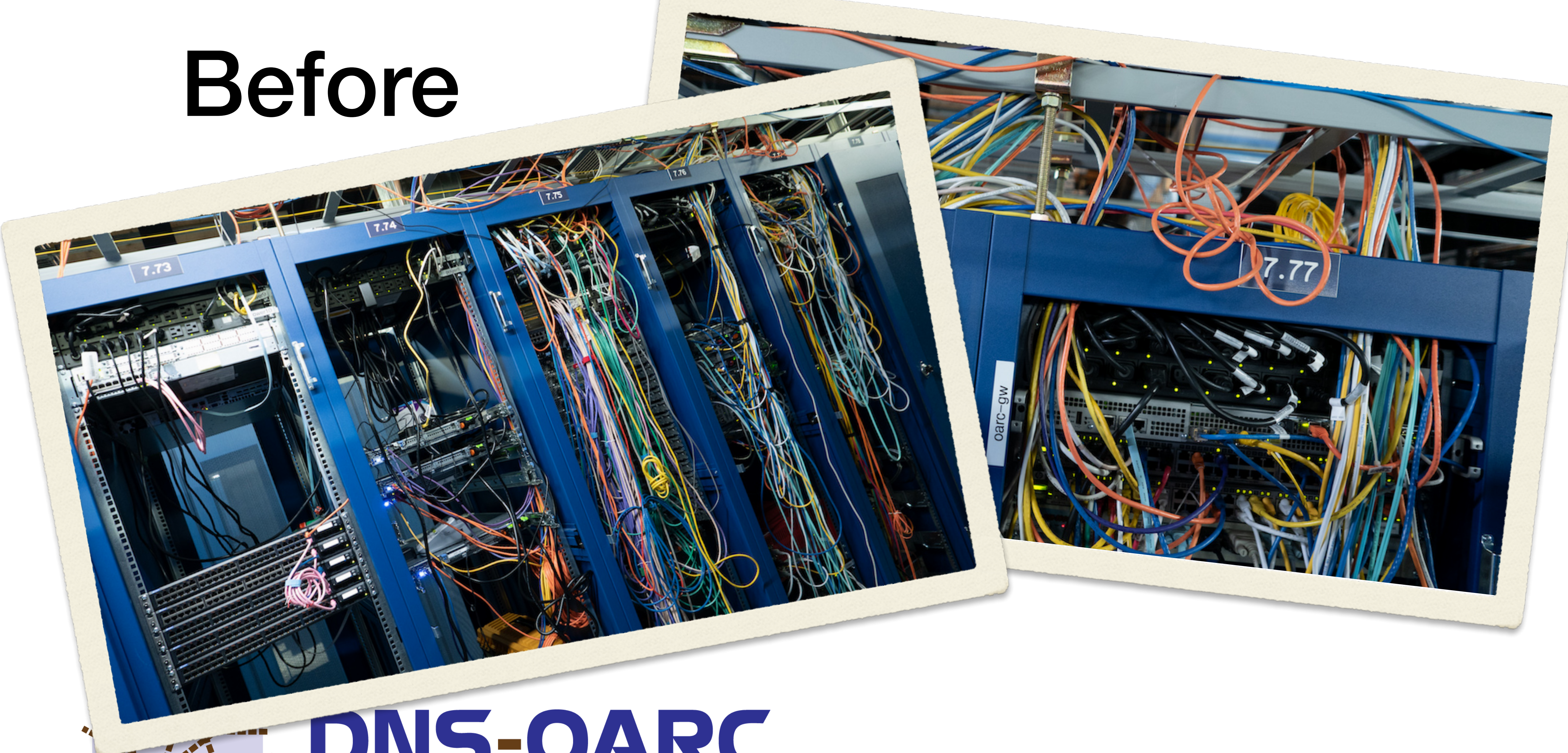
Recycled Hardware



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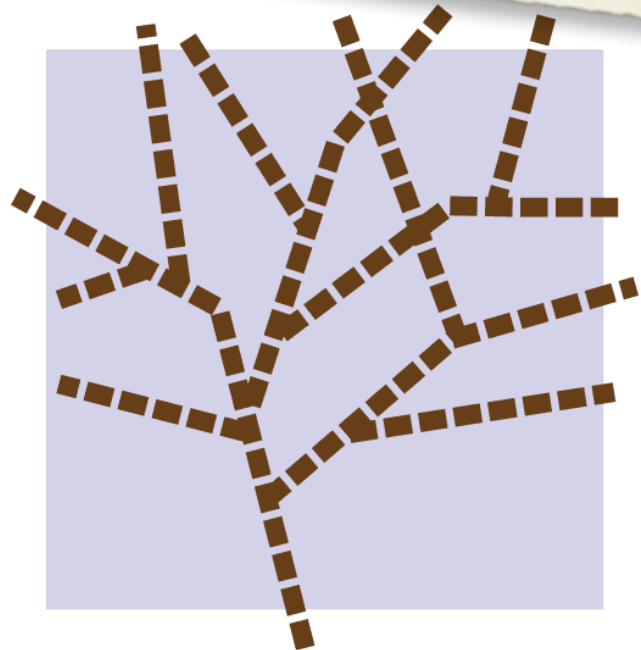
Before



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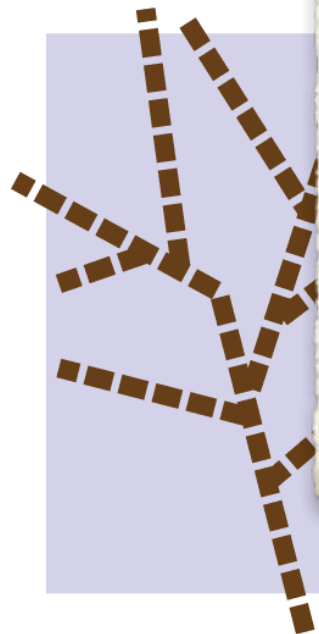
After



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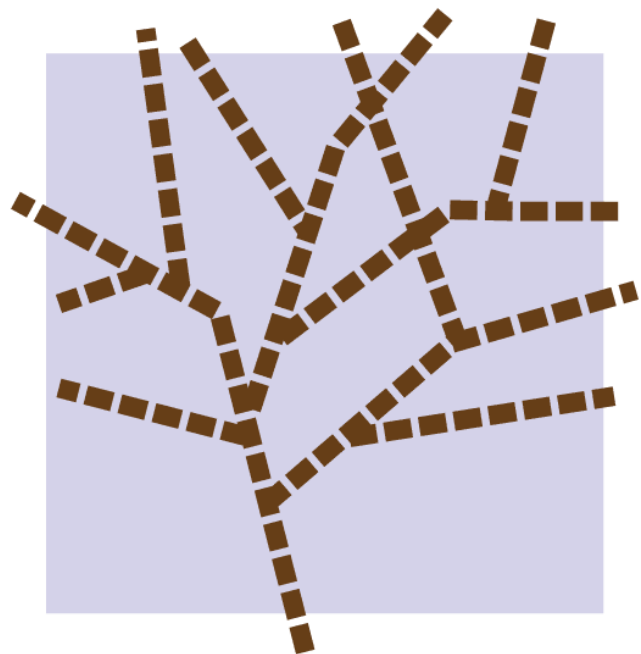
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After



DNSVIZ

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

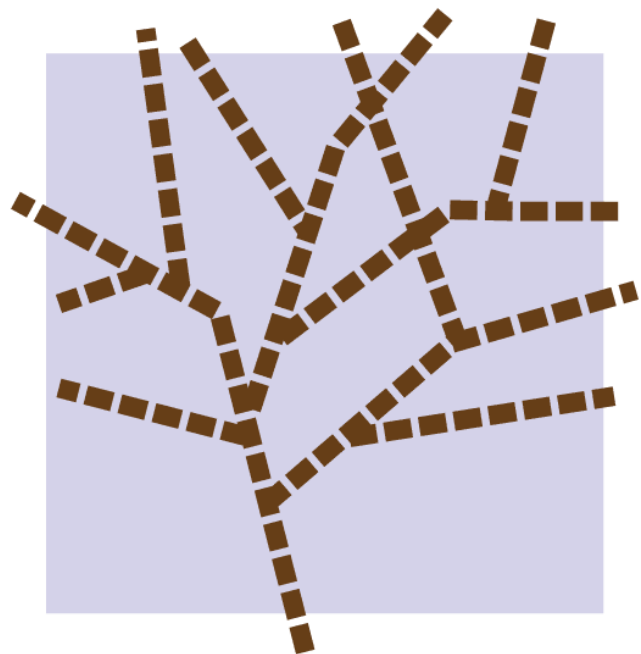


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File Servers

- FS5 (pool5b) due for upgrade this summer
- Old hardware issues
- Delays to data processing for DITL

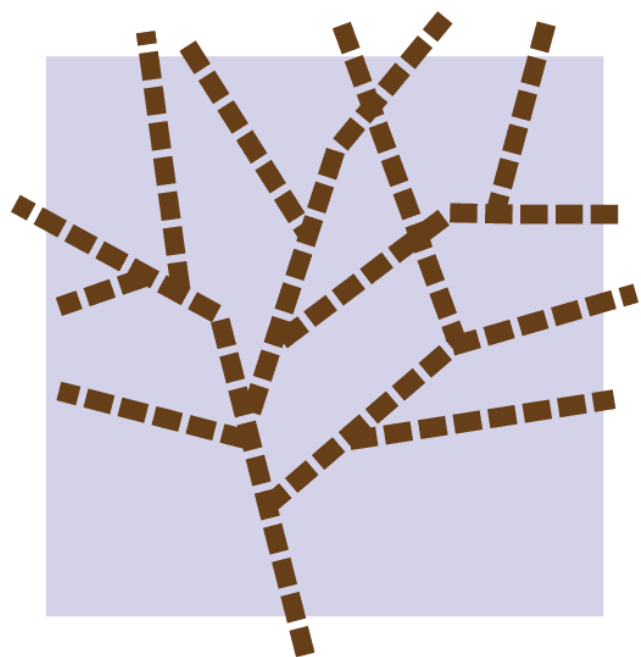


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File Server Re-Engineering

- Need to consider a new architecture
- Short term capital implications
- Hopefully long term capital savings
- Need to model budgets over several years



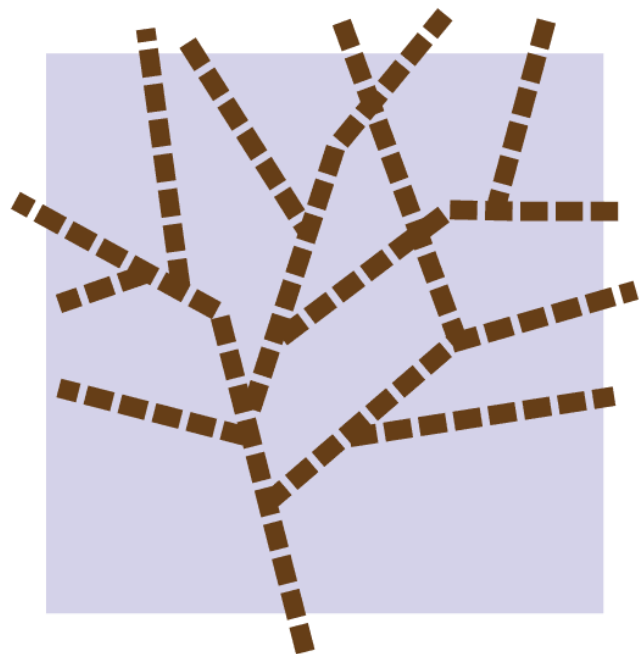
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PLEASE READ THE FULL REPORT

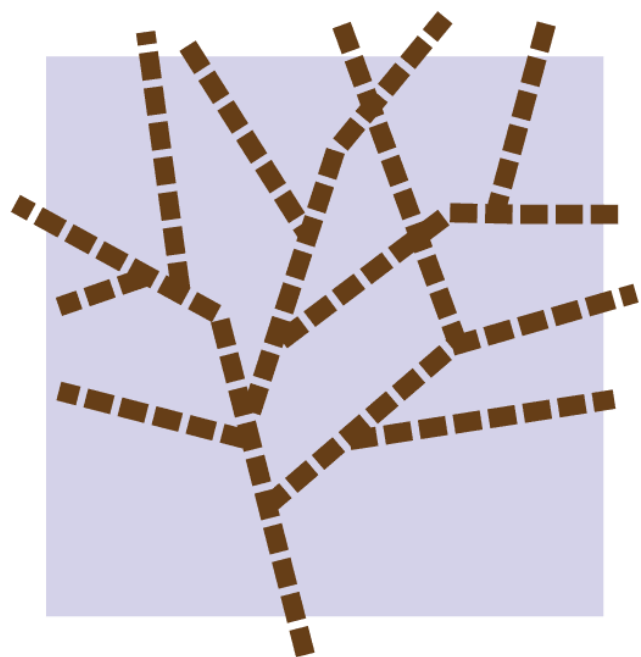
AVAILABLE FROM THE OARC 30 TIMETABLE IN INDICO

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



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