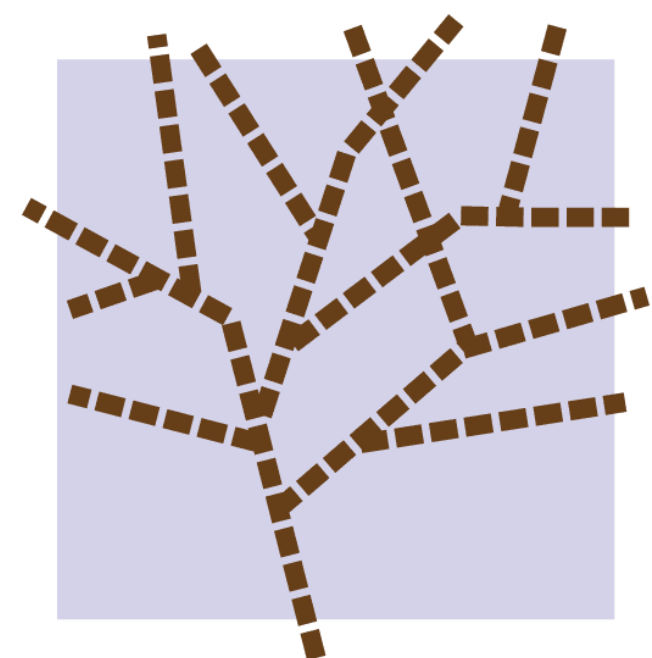




# Systems Engineering Update

Matt Pounsett  
AGM 2021



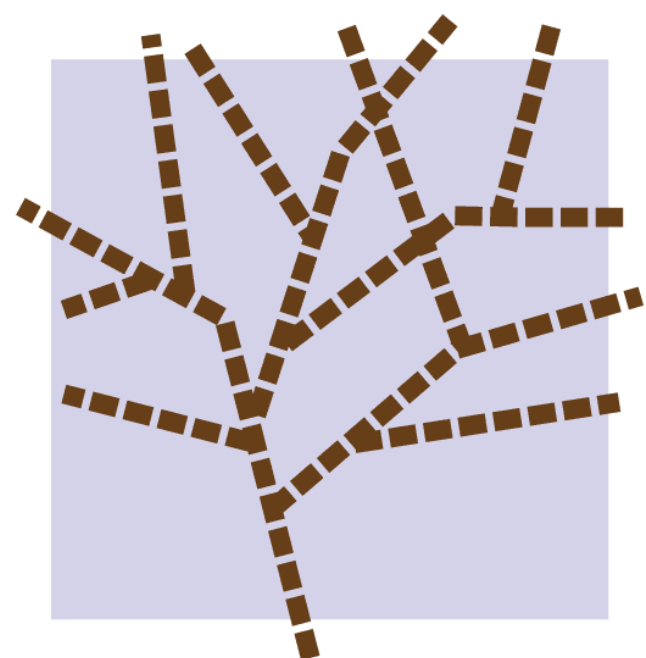
**DNS-OARC**

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# See the Written Report

- For more details, please see the written report in the meeting agenda

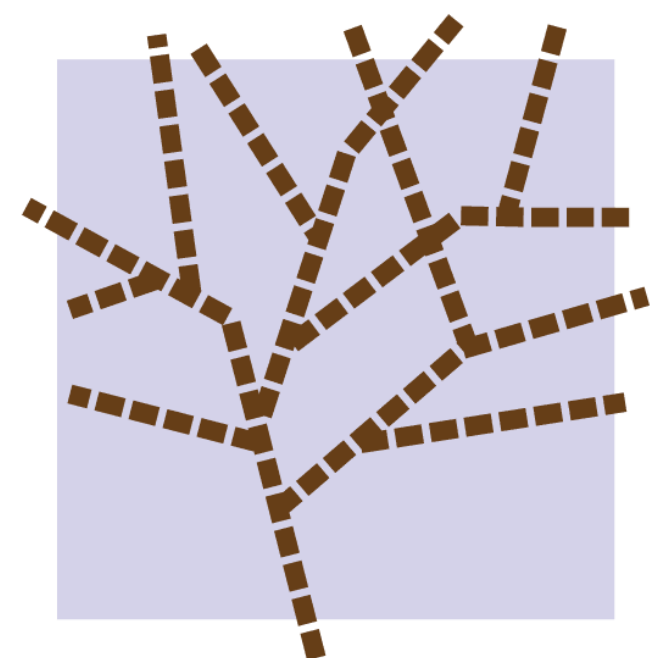


**DNS-OARC**

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# Still Looking for People

- Last short-term contract was helpful in getting new Ceph cluster hardware installed
- Still looking for short-term contractor to help with workload, and a long term contract for emergency remote hands
- Starting a search for another long term Network/Systems Engineer
- Details on OARC's [Careers page](#), or contact Matt or Keith for information

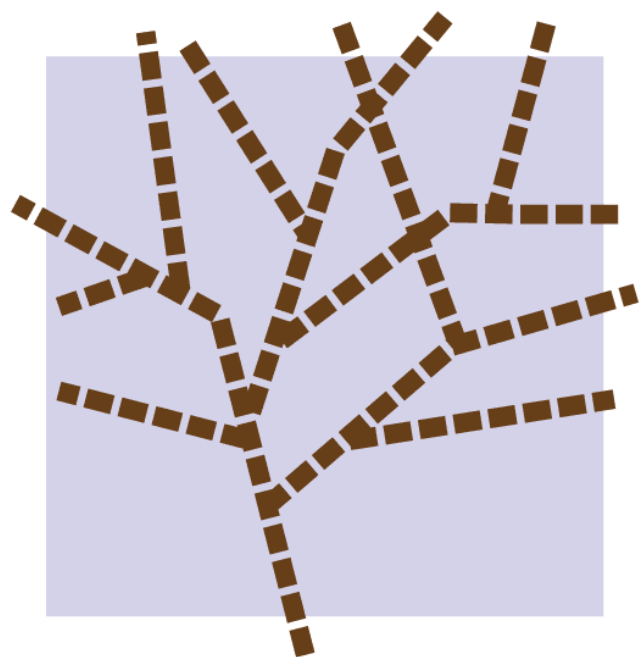


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# General Status

- Still whittling down the list of issues
  - Shared DSC discontinued
- Travel restrictions still getting in the way of hardware maintenance
- Generally quite stable over the past year
- Less progress over the summer than in previous months



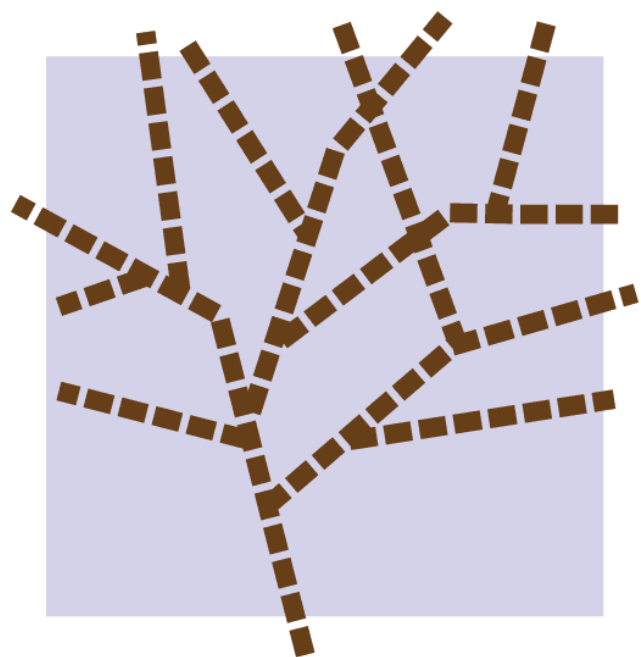
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# Authoritative DNS Update

- New hidden auth/signer got another new zone: dns-oarc.net
- Immediately encountered a signing bug, and went bogus
- Fixed quickly, but left a long burn-in period for the updated software
- Remainder of zones migrating in November
- Algo rolls planned for Jan/Feb to ECDSAP256SHA256



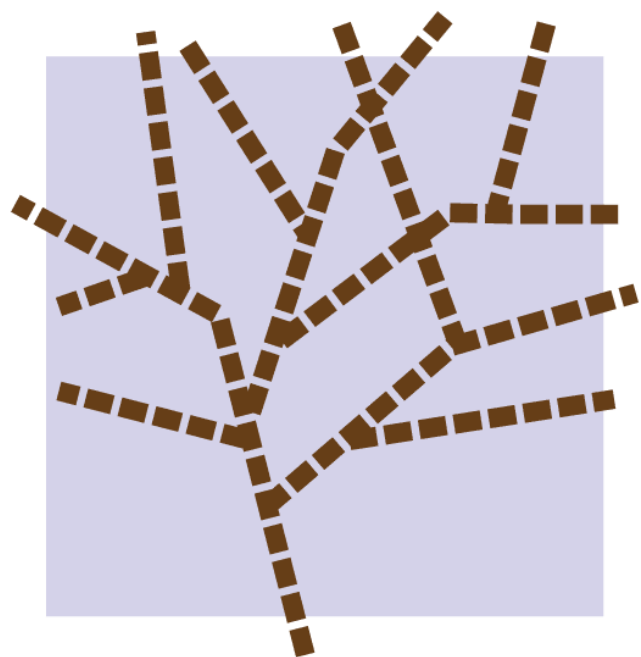
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# New DITL Process

- Increasing delay between end of DITL collection and release of data
- Anomalies in data-cleaning process
- Now releasing 'raw' DITL data as soon as uploads complete (1-2 weeks after collection window)
- Releasing 'cleaned' data once  $\frac{3}{4}$  is complete (2-3 weeks after upload complete)



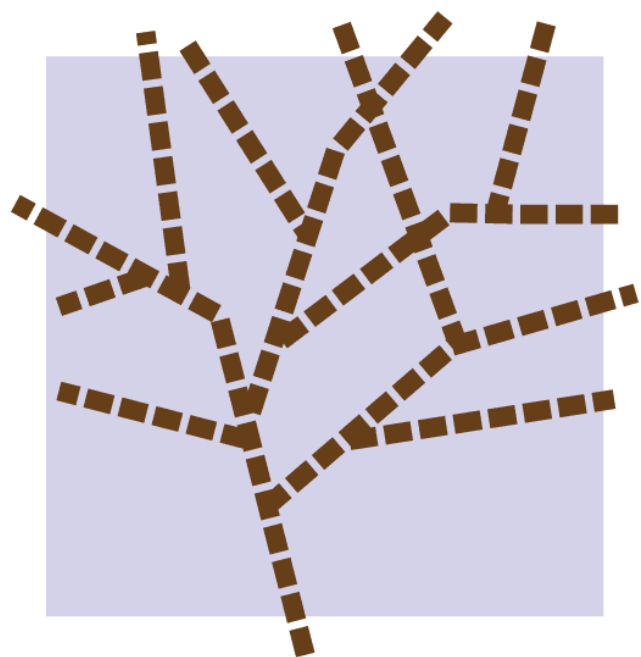
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# Data Store Status

- NFS systems stabilized, “issues” unchanged
- New cluster still behind schedule, mostly held up by available time
- Huge mismatch between time required and time available



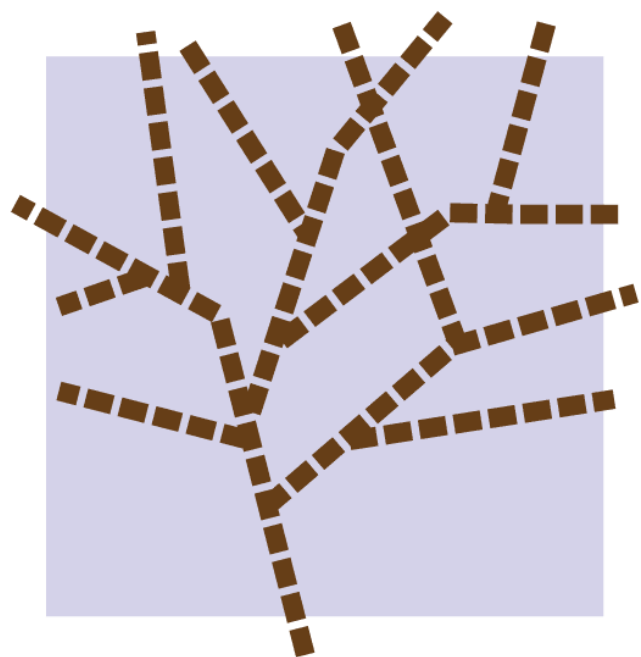
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# Ceph Deployment Update

- Power issues worked around with temporary extra circuits
- Massive firmware update required/completed
- OS driver/firmware mismatch worked around (then fixed)
- Working through application setup issues one by one
- Completion date uncertain



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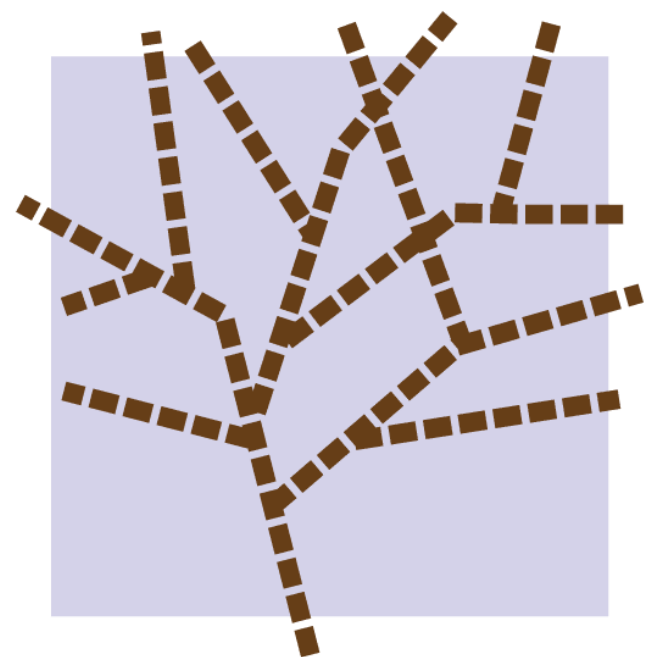
# Questions?

REACHABLE AS

MATT@DNS-OARC.NET

OR ON OARC'S MATTERMOST AS

@MATT



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