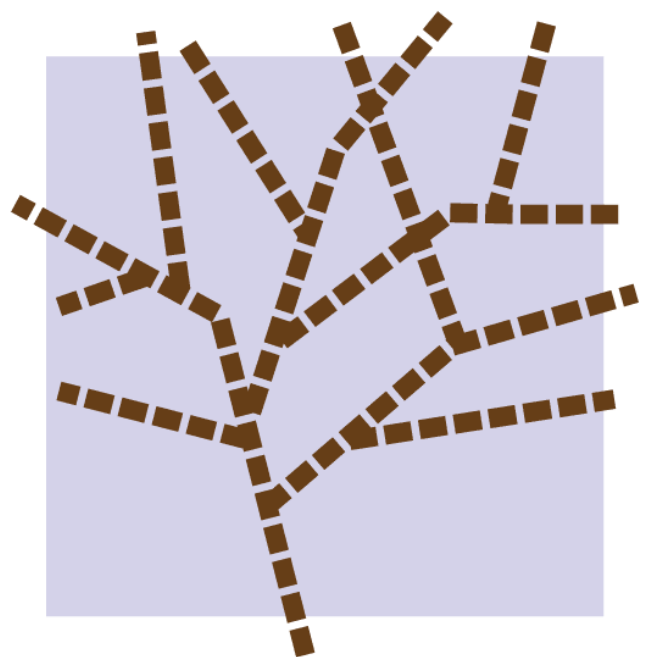


DNS-OARC

Systems Engineering Update

Matt Pounsett, Michael Baer
OARC 38, July 2022

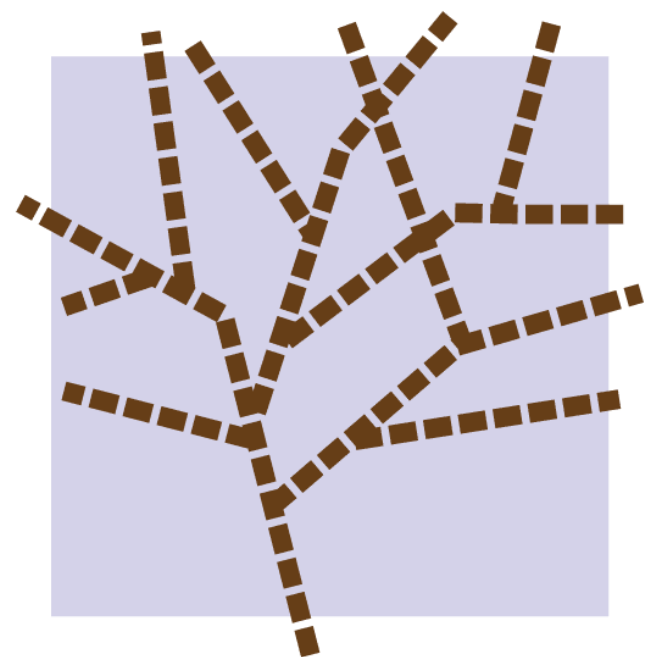


DNS-OARC

Domain Name System Operations Analysis and Research Center

See the Written Report

For more details, please see the report in the meeting agenda
<https://indico.dns-oarc.net/event/43/contributions>



DNS-OARC

Domain Name System Operations Analysis and Research Center

General Status

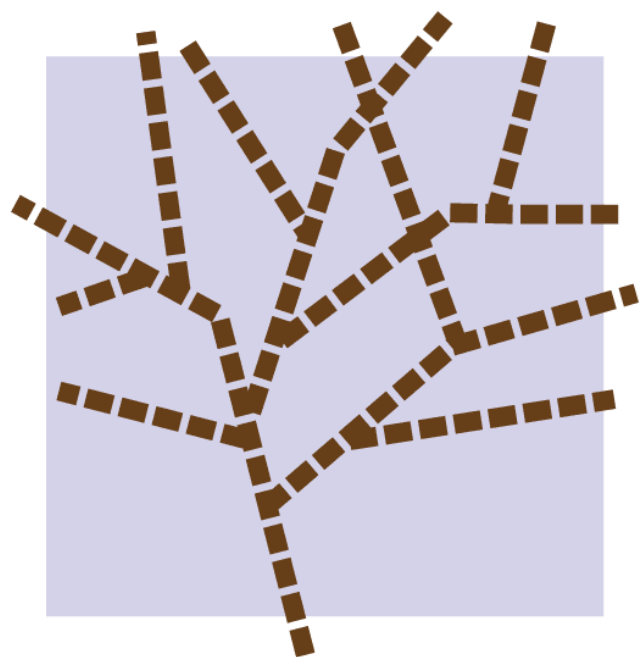
Still clearing backlog of issues

Hired additional Systems Engineer, Michael Baer

Additional engineer and the lifting travel restrictions

- on-site visits easier & eased the reliance on remote hands work

Systems generally quite stable over the past year



DNS-OARC

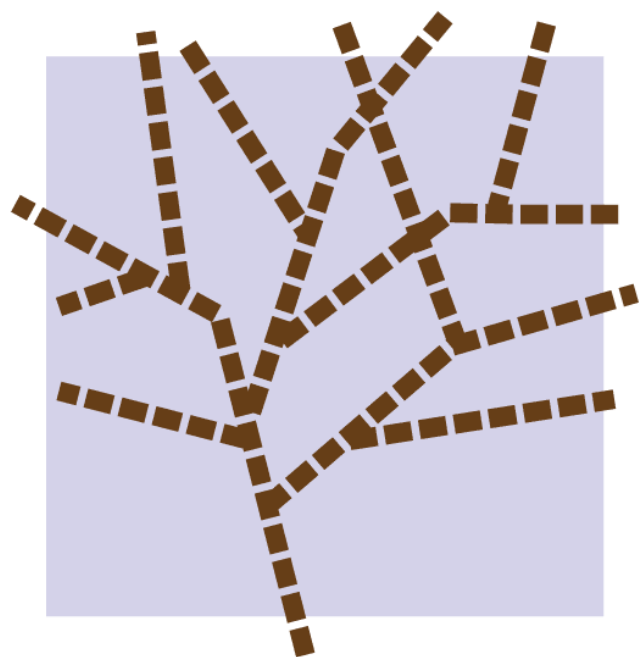
Domain Name System Operations Analysis and Research Center

Ottawa Site Relocation

OARC's systems in Ottawa moved in Spring

CIRA hosts some of OARC's 'off-site' systems in Ottawa and they relocated.

- Only minor service disruptions to OARC's systems
- Allowed several site improvements: IP space / second transit



DNS-OARC

Domain Name System Operations Analysis and Research Center

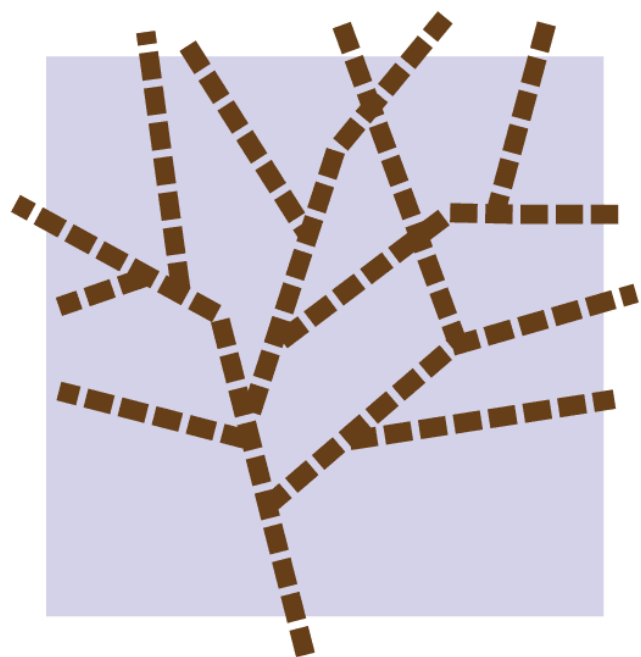
New Routers

Obtained new Routers for Fremont and Ottawa sites

Install/Configure in process

Will replace outdated systems

- Fix some v6 issues
- Add second transit to Fremont



DNS-OARC

Domain Name System Operations Analysis and Research Center

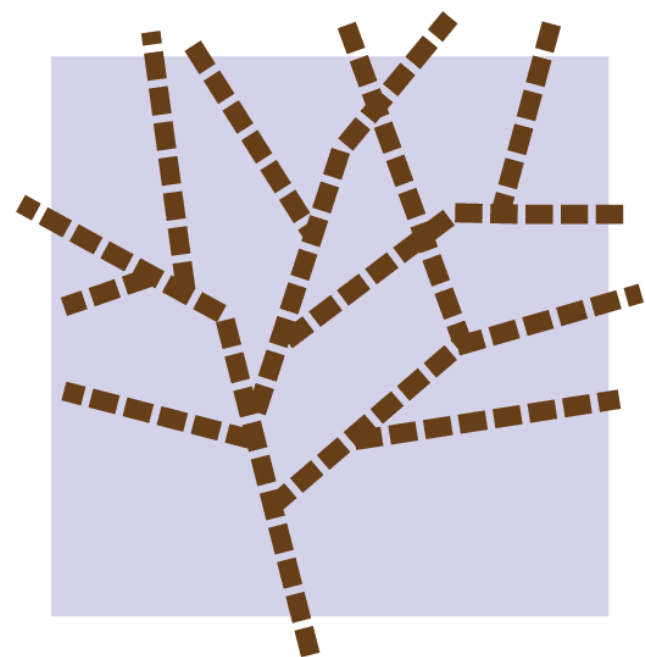
Software Updates

(that you shouldn't notice)

Updated to more contemporary versions of s/w & h/w:

Drupal: www.dns-oarc.net

Indico: conference software



DNS-OARC

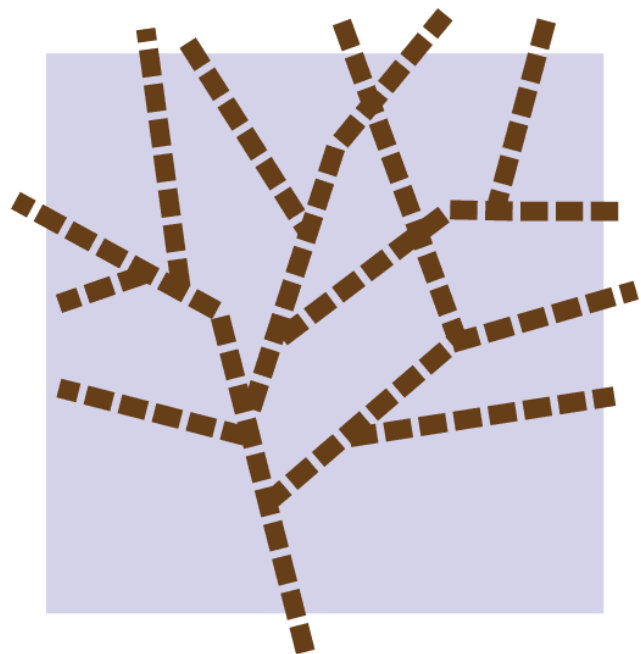
Domain Name System Operations Analysis and Research Center

Data Store Status

Current NFS systems have been stable

- Existing “issues” unchanged: aging hardware, data size

New data cluster is still behind schedule, but



DNS-OARC

Domain Name System Operations Analysis and Research Center

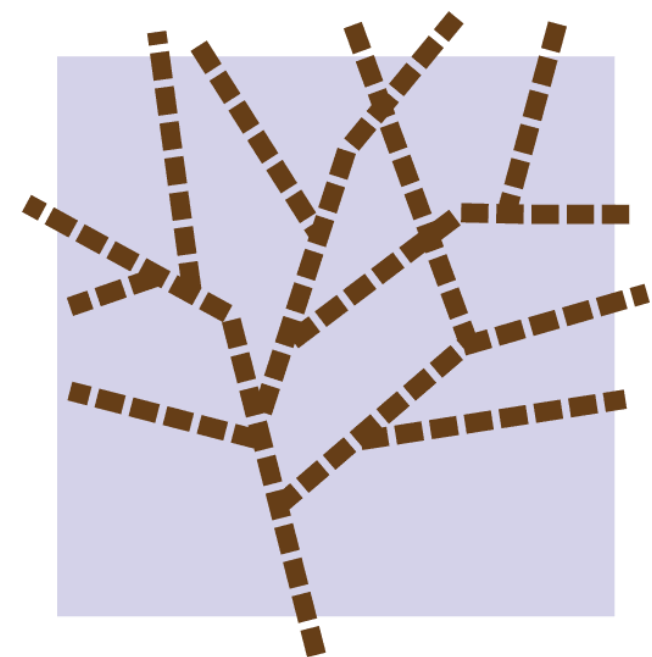
Ceph Deployment Update

Addition of new staff will create the needed time to deploy Ceph

Hardware racked and networked

Currently working on managed creation of nodes

Next Steps: Ceph node creation, data transition from old systems

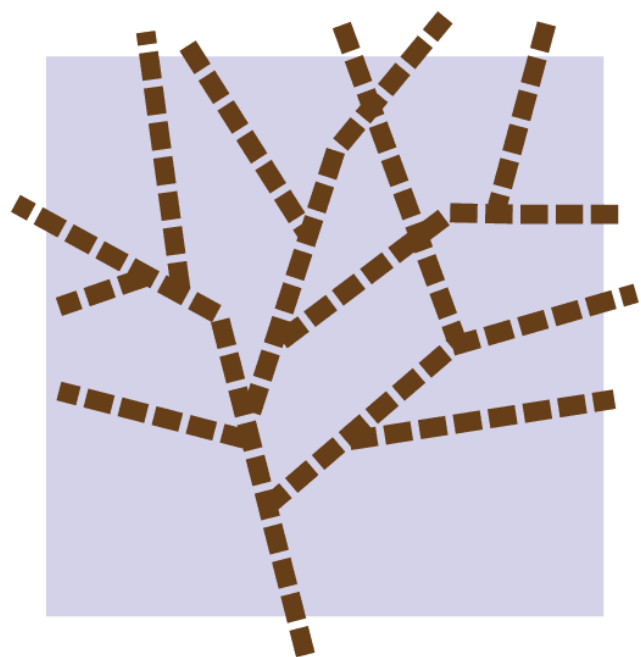


DNS-OARC

Domain Name System Operations Analysis and Research Center

Questions?

Reachable at
matt@dns-oarc.net
mike@dns-oarc.net
and on OARC's Mattermost
as
@mike or @matt



DNS-OARC

Domain Name System Operations Analysis and Research Center