DNS-OARC Status Report

Keith Mitchell, President

OARC AGM

September 2020

https://indico.dns-oarc.net/event/34/
attachments/756/1298/Report-2020_09.pdf

It has not been a normal year

- The world was a different place when we had OARC31 in San Francisco just 7 months ago:

- I set out OARC's pandemic strategy in:
https://medium.com/@dnsoarc/dns-oarc-and-covid-19-2d4149a9d99f

- OARC has been WFH from inception, so team took lockdown in our stride

- Not so easy for workshops, but we have adapted

- Member and Donor support has been outstanding

- 2020 should at least be a year of *interesting* data collection..

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2020 Achievements

- Sourced funding and equipment for new Data Store

- Extended/recovered old data store enough to progess reducing DITL processing backlog

- Successfully migrated workshops online, 4 total

- Conducted major software coverage review

- Brought DNSVIZ back online, upgraded hardware

- Secured >$130k of Donations, Grants, Project funding

- Introduced new Mattermost chat platform

- In best financial health in OARC's history

- Stayed healthy,safe and sane (mostly 😜 !)

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Pandemic Strategy

- Support well-established team remote-working capabilities for business and service continuity

- Protect financial stability, cash and reserves, diversify funding

- Ensure health and safety of Team and Community

- Migrate workshops on-line for as long as needed

  - make these sensitive to WFH audience (content, duration, frequency)

- Gather data of unique Internet traffic event against our long time-sequence baseline

  - help researchers gain insights from this

- Support DNS operational continuity through community co-operation and communication

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'Events, Dear Boy, Events..'

- In Oct 2019 I said:
  "limited execution capability makes us vulnerable to unexpected externalities"

- !!!

- In 2020 we have had: pandemic, riots, wildfires, lightning strike, geopolitics, postal slowdowns, bank hassle, which have all impacted our business to some extent

- There is also a legal matter which we have had to devote time money, (& likely some compute resources) to protecting OARC Member interests and confidentiality against

  - *still pending so cannot comment further*

- We are however still standing, stable, relevant, and solvent -
  I am very proud of our Team and Community

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Welcome New DNS-OARC Members!

(since OARC32 $\Rightarrow$ September 2020)

| **Participant**	**Level**
Zvelo	Bronze
Tiggee	Bronze
Hamburg.nic	Blue
Mythic Beasts	Supporter
Sinodun	Supporter
BR Fidler	Supporter
peeriX/DNSLify	Supporter
Universite Grenoble	Supporter
Michael Daly	Supporter

Member Upgrades, Retention

- ICANN upgraded from Platinum to Diamond
- Salesforce upgraded from Silver to Gold
- No paying Member Downgrades
      or non-renewals

THANK YOU !!
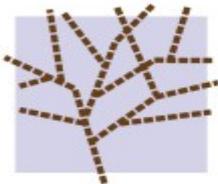
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Donations, Grants, Projects

- Anonymous Platinum donor $25k
- *Soteria*: SE Internet Foundation $25k
- Grant: Verisign $25k
- DoT/DoH for *dnsperf*: Mozilla OSS $30k
- DoT/DoH for *dnsperf*: Comcast $20k
- *dsc-datatool*: EurID $ 7½k
- Data Store: Comcast $10k
- Data Store: SE Internet Foundation $ 5k
- Data Store: Gransy, Quad9, SOX

THANK YOU !!

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Data Set Storage Infrastructure

- It is a matter of some frustration and regret that this has been in a bad way for over a year

- But a solution is close and happening !

- $100k invested in Dell-based CEPH cluster, hardware has been delivered, commissioning during Q4

- Thank you to all the Members who donated $18k of funding towards this project

- Thanks also to Owen DeLong who did on-site work to keep old data store running

  2018 KSK DITL dataset now available, 2019 and 2020 DITL collections should be available within ~6 weeks

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New Chat Platform

- Mattermost platform
    - modern replacement for previous use of Jabber
    - event remote participation and co-ordination
    - support DNS operational co-ordination
    - open team for Community, workshop participation
    - private channels for OARC Member activities
    - internal Staff/Board remote working support
- Open-source, cross-platform, provider-neutral
    - already used by various other organizations in our space
    - cost effective, can change provider
- Clients at: https://mattermost.com/download
- Hosted in UK by: https://www.mythic-beasts.com/
    - OARC Supporter, so conversations are protected by
      OARC Participation Agreement confidentiality terms

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OARC Workshops

- We were in the process of moving from 2 to 3 workshops/year before pandemic hit

- We have successfully migrated workshops online:

  - during 2020: 1 physical, 2 short online, 1 long online

- During 2021, we're aiming to do 3-4 workshops:

  - at least 2 long workshops, online initially

  - at least 1 short online workshop

  - we will migrate back to hybrid, then physical workshops as situation permits

- Sponsor and Patron support helps a lot !

  - https://www.dns-oarc.net/workshop/patronage-sponsorship

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Workshop Attendance
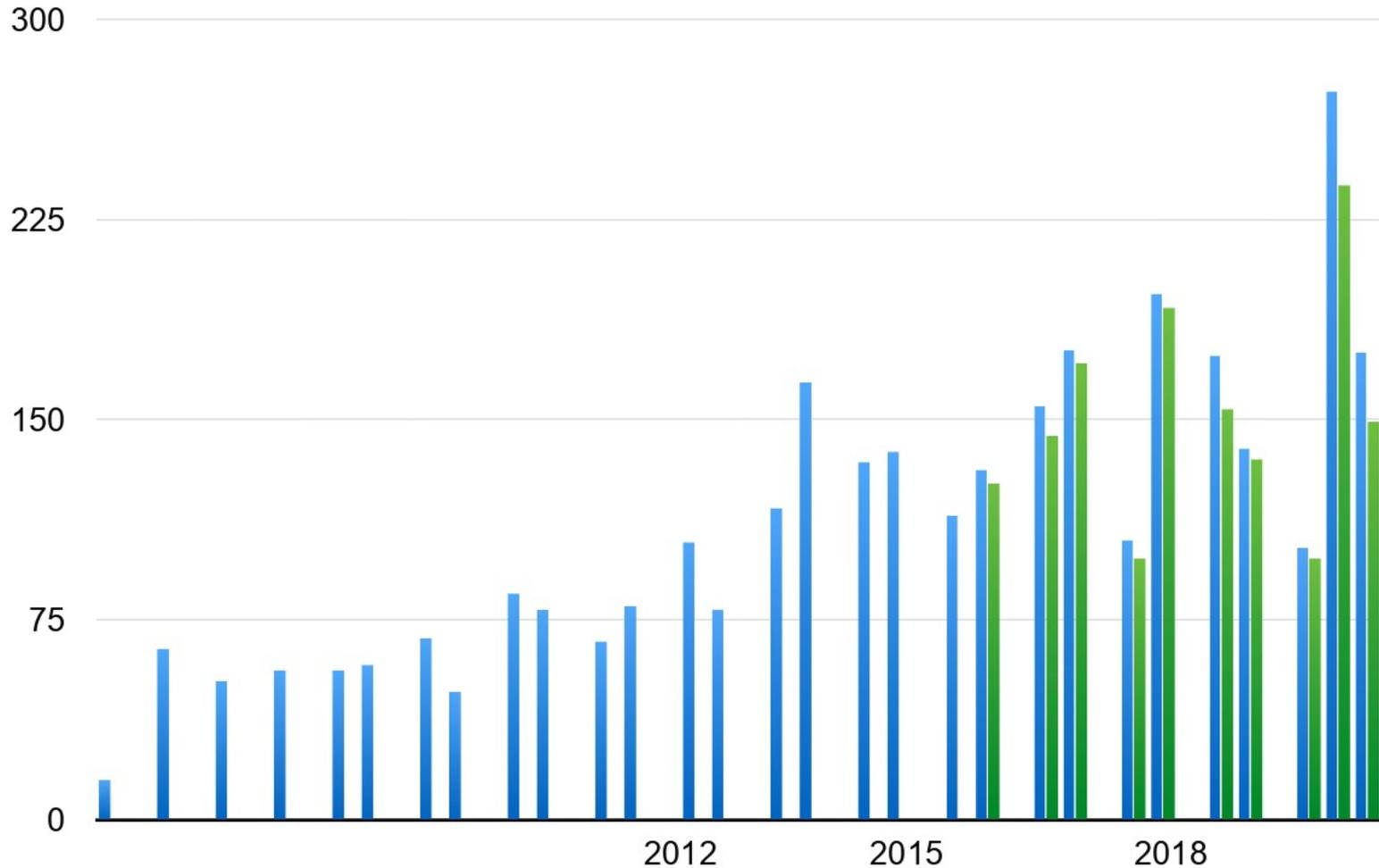
Board and Committees

- Privacy Committee

  - George Michaelson, Benno Overeinder, Jaromír Talíř

  - Sara Dickinson, David Lawrence, Shivan Kaul Sahib

- Board will select 2021 Programme Committee during Oct 2020:

  - please let us know if you are interested in serving

  - self-nomination to <pc2021@dns-oarc.net>
    by 16th October

- Audit Committee to progress auditor rotation

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2020-21 Plans

- New Data Store into production by end 2020, migrate all datasets onto it

- Complete DITL post-processing backlog

- Prepare for return of physical workshops via flexible online→hybrid→ approach as situation permits

- Privacy-centric, cloud-flexible re-structuring of Participation Agreement

- *dnsperf*: re-factor, DoH/DoT support

- Seek funding to develop *DNSVIZ*

- Support you our community through to the other side

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Questions ?