



NANOG65 DNS Track
Montreal, Quebec, Canada
3-4 October 2015

DNS-OARC Overview

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<https://www.dns-oarc.net/>

OARC's Mission Statement

(revised March 2015)

The Domain Name System Operations Analysis and Research Center (DNS-OARC) is a non-profit, membership organization that seeks to improve the security, stability, and understanding of the Internet's DNS infrastructure.

DNS-OARC's mission is to:

- *promote and conduct research with operational relevance through data collection and analysis*
- *offer useful services and tools*
- *build relationships among its community of members*
- *facilitate an environment where information can be shared responsibly*
- *enable knowledge transfer by organizing open workshops*
- *increase public awareness of the DNS's significance*

OARC's Value Proposition



OARC is a prestigious library specializing in the DNS. We do our best to index a large collection of data in perpetuity, and because we're a neutral organization we strive to make the library accessible and welcoming to all researchers and operators of the DNS. For our members we offer private meeting rooms (mailing lists) where they can discuss and collaborate on current DNS Operations. At our upper levels you'll find our most precious archives and artifacts, set aside behind glass for safe keeping. We also have a Friends of the Library Program, where an exclusive group of members and guests gather on a semi-annual basis at our workshops to share their ideas, incentivize and encourage research, and catch up on the latest industry news.



OARC's Functions

- Facilitate co-ordination of DNS operations community
- Ongoing data gathering
- Operate community info-sharing resources
- Maintain/host DNS software tools
- Outreach via external and shared meetings

OARC Governance

- Independent legal entity
- Diverse member base
- Financially self-supporting
 - ~\$700k annual revenue ~= expenses
- Self-governing, neutral
- Elected Board reflecting member interests
- Contracted Executive Staff and Secretariat services
- Volunteer workshop Programme Committee
- 501(c)3 non-profit public benefit corporation

2015 Achievements

Hired Project Development Manager

Brought over 300TB of new storage capacity online,
consolidated >80TB decade+ dataset

Record 9TB DITL 2015 data gathering completed

Collating RSSAC-002 data from root operators

Significant subscription revenue growth

Clean-up of legacy non-paying inactive participant categories

Board retreat reviewed progress against
Strategic Development Plan

Non-member workshop registration charging introduced

New Membership Categories

Replaced Associate/Affiliate/Contributor and Beneficial status with a single non-paying non-voting "Supporter" category

- Contributions in-kind required at least once per year
- requires formal commitment which is being tracked

New entry-level paying member category "Blue"

- limited to organizations below a certain size, or individuals
- initially max \$1M revenue or 10 employees
(can apply to groups not whole institution)
- \$1k/year subscription

Fall 2015 Workshop, Montreal

25 Presentations over 2 days at:

- <https://indico.dns-oarc.net/event/24/>
- <https://plus.google.com/+DnsoarcNetPlus/>
- https://www.youtube.com/channel/UCtgW_wIPdA_WBmMKX79JT4g
- Strong operational/research DNS focus

130 attendees

Thank You CIRA, Nominum, NANOG !

2015-16 OARC Board

- John Crain, ICANN
- *Paul Ebersman, Comcast*
- Ondrej Filip, CZ.NIC
- *Dave Knight, Dyn*
- George Michaelson, APNIC
- *Duane Wessels, Verisign*

DNS-OARC Staff

- President, Secretary (Keith Mitchell)
- Systems Engineer (William Sotomayor)
- Project Development Manager (Dalini Khemlani)
- Membership Coordinator (Sue Graves)
- Events Coordinator (Denesh Bhabuta)
- Software Engineer (*Planned Hire – pending funding*)

OARC Infrastructure

- Functionality, category improvements to member portal
- 10Gb/s network core deployed
- We will need to vacate our existing co-location space at ISC in Redwood City over the coming months ☹
 - requirements/plan being assembled
 - opportunity to diversify our locations
 - we will need help with this !
- Operating SECIR ccTLD security contacts mailing list
 - Experimented with stand-alone trust group platform

Questions ?

Future Workshops

- 1-2 April 2016
 - IETF95, Buenos Aires
 - Hosted by NIC.AR
 - Seeking sponsors
- Fall 2016 ?
 - NANOG68, Dallas *or*
 - ICANN57, Puerto Rico
- Spring 2017
 - RIPE74
 - Location *TBC*
- Fall 2017
 - NANOG71 *TBC*

<https://www.dns-oarc.net/files/meeting-sponsor.pdf>



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