



OARC 37

Feb 2022

Introduction to DNS-OARC

Keith Mitchell

President

OARC's Mission Statement

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*



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OARC's Members



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Some 2021 Achievements

- Completed funded development of:
 - dnsperf-DoH, CMDNS RPKI OV, DSC Public Suffix
 - Thank You donors ! **ARIN, Comcast, Mozilla, NIC.AT**
 - <https://www.dns-oarc.net/oarc/grants>
- 3½ fully online workshops
- Exceeded \$1M revenue for first time, 1 year of operating reserves
- DITL 2021 Data Collection completed
- Significant progress on systems clean-up and automation



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OARC Membership Categories

Category	Contacts	Annual
Supporter	1	\$0
Blue	2	\$1.1k
Bronze	3	\$6.5k
Silver	5	\$10k
Gold	8	\$15k
Platinum	10	\$25k
Diamond	18	\$50k

- **Supporter** requires annual in-kind contribution
 - e.g. data, presentations, services
- **Blue** category for small organizations/individuals only



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OARC Governance

- Independent legal entity
- Diverse member base
- Financially self-supporting
- Self-governing, neutral
- Elected Board reflecting Member interests
- Contracted Executive Staff
- Volunteer Programme and Privacy Committees
- *501(c)3* non-profit public benefit corporation



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2021-22 OARC Board

- **Ray Bellis**, *ISC*, Director
- **Joao Damas**, *APNIC*, Director
- Paul Ebersman, *Neustar*, Director
- Jacques Latour, *CIRA*, Treasurer
- Benno Overeinder, *NLnet Labs*, Chairman
- Jaromír Talíř, *CZ.NIC*, Director



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DNS-OARC Staff Resources

- President, Secretary (*Keith Mitchell*, Indiana) 0.75 FTE
- Systems Engineer (*Matt Pounsett*, Toronto) 0.75 FTE
- Software Engineer (*Jerry Lundström*, Stockholm) 0.75 FTE
- Membership Coordinator (**Steve Sullivan**, California) 0.6 FTE
- Events Coordinator (*Denesh Bhabuta*, London) 0.5 FTE
- Book-Keeper (*Pam Stone*, California) 0.1 FTE

Hiring !! <https://www.dns-oarc.net/oarc/careers>



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2022 OARC Programme Committee

- Pallavi Aras, *Salesforce*
- Manu Bretelle, *Facebook*
- **Hazel Smith**, *Google*
- **John Todd**, *Quad9*
- Willem Toorop, *NLnet Labs*
- Ulrich Wisser
- **Suzanne Woolf**, *Public Internet Registry*
- Jaromír Talíř (*OARC Board Liaison*)



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OARC Members Updates



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OARC Privacy Committee: Status Update

- Since last (OARC36) meeting:
 - Charter of privacy committee
 - Survey results data storage and usage
- Current status and plans:
 - Write up “OARC data storage and usage” report
 - Drafting plan of approach (based on the charter) and actionable items
 - Drafting questions for a lawyer regarding the current agreement
 - with input from policy and privacy experts
 - Invite OARC Members to the table to discuss data storage and usage



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OARC Software/Tools Multi-Year Focus

- Proposal is to focus on one area of our open-source toolset for a major development project, e.g.:
 - testing tools (*dnstperf*, *dnstjit*, CheckMyDNS)
 - statistics/Measurement (DSC, *dsc-datatool*, *dnstcap*)
- OARC Members surveyed for their preferences
 - 30 responses, additional input welcome
- Summary will be mailed to OARC Members on Monday 21st
- Online discussion will take place mid-March



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OARC Member Portal “crash course”

- COMING SOON
- Get to know this keystone of your OARC Membership and Why it is important in 20 minutes or less
- Learn tips on how to maximize its potential for your org
- Become fluent now - and learn how to help us add features
- The Portal will only become **more** important as OARC's Membership grows and OARC continues to automate



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Why Become an OARC Member ?

- Access to and participation in the world's premier community of DNS technical experts
- Influence development of open tools and services to support your infrastructure operations
- Ability to share and analyze a unique dataset perspective into global DNS operations
- Use of community co-ordination resources to respond to incidents and threats
- Support a trusted neutral party free of vested interests in the DNS space



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OARC's Value Proposition

Member testimonials:

"As a newcomer to working with the DNS, DNS-OARC has been an excellent resource for me to get up to speed with the industry parts of how the DNS operates. The DNS-OARC community is quite welcoming to new people, and is happy to share knowledge. One aspect in particular that has been very helpful is the ability to easily have public discussions with other members, but also private discussions about potentially sensitive topics with industry experts."

"I would attend DNS-OARC conferences for the hallway track alone. Not because of the coffee, but because of all the super welcoming peers who are always willing to help me with their insights and knowledge."

"OARC is a unique venue that brings together DNS vendors, operators of DNS services and researchers - the workshops provide a unique and valuable insight into the current state of the art of the DNS"

"Of all the work-related conferences I attend, @dnsoarc is reliably the one with the fewest uninteresting bits. Approaching zero."



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