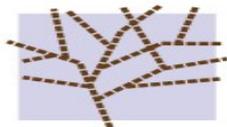


**OARC 34**

February 2021

# Introduction to DNS-OARC

**Keith Mitchell**  
**President**



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# 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*



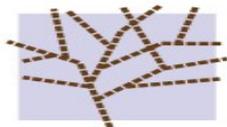
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# OARC Technical Resources

- >250TB, 15+ year DNS data catalog
- Core infrastructure in Fremont, California
  - major upgrade to data store in progress
- Open-source DNS tool software
  - <https://www.dns-oarc.net/oarc/software>
- Suite of active DNS test services
- Secondary sites in Ottawa and Stockholm



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# OARC Membership Categories

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

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

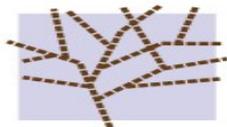


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# OARC Governance

- Independent legal entity
- Diverse member base
- Financially self-supporting
  - ~\$870k annual revenue > expenses
- Self-governing, neutral
- Elected Board reflecting Member interests
- Contracted Executive Staff
- Volunteer workshop Programme Committee
- 501(c)3 non-profit public benefit corporation



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# 2020-21 OARC Board

- **Joe Abley**, PIR, Director
- Paul Ebersman, *Neustar*, Director
- Jacques Latour, *CIRA*, Treasurer
- Benno Overeinder, NLnet Labs, Chairman
- Ondřej Surý, ISC, Director
- 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 (*Sue Graves*, Oregon) 0.5 FTE
- Events Coordinator (*Denesh Bhabuta*, London) 0.5 FTE
- Book-Keeper (*Pam Stone*, California) 0.1 FTE

Remote working is what we do..

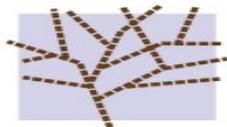


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# 2021 OARC Programme Committee

- Pallavi Aras, *Salesforce*
- Manu Bretelle, *Facebook*
- Brett Carr, *Nominet*
- Willem Toorop, *NLnet Labs*
- Jan Včelák, *NS1* (Chair)
- Ulrich Wisser, *Swedish Internet Foundation*
- Jake Zack, *CIRA*
- Jaromír Talíř (OARC Board Liaison)

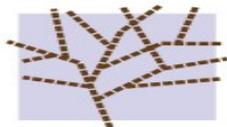


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# Next workshops

- OARC35
  - May 6-7<sup>th</sup> 2021
  - 1½-2 days long
  - Online
- No physical workshops during Q1-Q3 2021
- *Provisional* 2021 plan:
  - Short OARConline 35a event in August
  - Hybrid AGM in October
  - OARC36 co-located with RIPE83 in November
- OARC37: Austin TX, Feb 2022



# Recent Achievements

- \$100k investment in new Ceph-based data store
- Grants from Comcast and Mozilla to add DoH capability to *dnsperf* testing tool
- Grant from ARIN to add RPKI origin validation to CheckMyDNS
- Updates to *DNSVIZ* features and server
- Operational continuity, and successful transition to online events, through year-of-pandemic

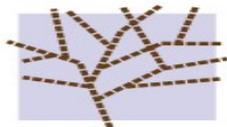


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# Why Become an OARC Member ?

- 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:

*"OARC is the only organization of its kind, dedicated to DNS operations and research. Given my company's deep involvement with DNS and my personal interest, I simply have to be a member and attend the workshops, which have consistently high-quality content."*

*"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."*

*"DNS OARC provides the invaluable mingling of DNS operators, developers, researchers, to communicate, collaborate, and share data via workshops, mail lists, and shared computing resources. Without this association I would not be aware of the current problems facing the DNS and Internet community nor be a part of their solutions."*

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



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