



Spring 2015 Workshop Amsterdam, NL 9 - 10 May

SPONSORS

GOLD & SOCIAL



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BRONZE



CONTRIBUTORY



What is Where

- WiFi SSIDs:
 - *DNSOARC*
 - *DNSOARC-a* 5GHz (preferred)
 - *DNSOARC-legacy* 2.4Ghz (caveat emptor)
- Break, lunch and toilet locations
- Dietary requirements
- Fire alarm: await instructions
- PGP signing session
- Social event: <http://www.cccafe.nl/>



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We are Webcasting

- Google Hangouts:
 - https://www.youtube.com/channel/UCtgW_wIPdA_WBmMKX79JT4g
- Please set your beeping devices to silent
- Please wait for a microphone, and identify yourself and affiliation before asking a question
- Social media hashtag *#OARCworkshop*



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Speakers

- Please see me if:
 - You didn't upload your slides yet
 - You have special AV requirements
- Good timekeeping helps 😊
- Timeslots *include* Q&A
- Devices → ✈ mode
- We appreciate your contribution !



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Domain Name System Operations Analysis and Research Center

DNS-OARC 2015 Workshop President's Report

Keith Mitchell
OARC
Fall Workshop & AGM
May 2015



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Domain Name System Operations Analysis and Research Center

OARC's Mission Statement

(revised)

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 Functions

- Facilitate co-ordination of DNS operations community
- Ongoing data gathering
- Operate community info-sharing resources
 - Mailing lists, jabber, website, trust vetting
- Maintain/host DNS software tools
- Outreach via external and shared meetings



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OARC Governance

- Independent legal entity
- Diverse member base
- Financially self-supporting
 - ~500k 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



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OARC Status



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2014-5 Achievements

- Hired Membership Coordinator, Project Development Manager
- Brought over 200TB of new storage capacity online, consolidated >80TB dataset
- Record 9TB DITL 2015 data gathering completed
- Implemented membership category changes
- Board retreat reviewed progress against Strategic Development Plan
- Started collating RSSAC-002 data from root operators
- Non-member workshop registration charging experiment
- New blogging platform, <https://medium.com/@dnsoarc>



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2014-5 OARC Board

- John Crain, ICANN, Director
- Ondrej Filip, CZ.NIC, Chairman
- *James Galvin*, Afilias, Director
- *Dave Knight*, Dyn, Director
- *George Michaelson*, APNIC, Director
- *Duane Wessels*, Verisign, Director



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2015 OARC Programme Committee

- Sebastian Castro, NZRS (*Chair*)
- Paul Ebersman, Comcast
- *Mauricio Vergara Ereche*, ICANN
- Liam Hynes, Dyn
- *Geoff Huston*, APNIC
- *Luciano Minuchin*, NIC.AR
- Sean Stuart, Verisign
- Duane Wessels (*OARC Board Liaison*)



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DNS-OARC Staff Resources

- President, Secretary (Keith Mitchell) *0.75 FTE*
- Systems Engineer (William Sotomayor) *1.0 FTE*
- Project Development Manager (**Dalini Khemlani**) *1.0 FTE*
- Membership Coordinator (Sue Graves) *0.5 FTE*
- Events Coordinator (Denesh Bhabuta) *0.1 FTE*
- Planned Hires:
 - Software Engineer (*1.0 FTE – pending funding*)
- Under contract from ISC:
 - Finance/Admin functions (Pam Stone)
 - Infrastructure hosting services (Jim Martin/Ops)



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Welcome New OARC Members ☺

Member

Level

Infoblox

Platinum

CONAC

Bronze

ECSRGTU Delft

Supporter

Arnes Registry.si

Bronze

FICORA.fi

Bronze

M3AAWG

Blue

ICS - UC Irvine

Supporter



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The Good and Otherwise

Upgrades

- NIC.br upgraded from Bronze to Silver
- NLNetLabs upgraded from Beneficial to Blue
- Microsoft upgraded their Platinum level of contribution
- Google upgraded from Gold to Platinum

Non-renewing:

- ARIN (Beneficial)
- Orange (Bronze)
- Radix (Bronze)



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OARC Infrastructure

- Functionality improvements to member portal, including new membership categories
- 10Gb/s network core being deployed
- Experimented with stand-alone Ops-T platform
- Operating SECIR ccTLD security contacts mailing list
- Diversely hosted new fileserver in pipeline
- See William's presentation....



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OARC Development



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OARC Development Progress

- Strategic plan generated by OARC Board retreat in Q1 2013
 - https://www.dns-oarc.net/files/workshop-201305/Strategy-2013_report.pdf
- Board reviewed progress against Development Plan at F2F meeting in March 2014 and 2015:
 - work still to be done (particularly on revenue !)
 - on-track with objectives 2 years into 3-year plan



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Governance Changes

At 2014 EGM:

- reduced quorum from one-half to one-third of members
- allowed e-voting
- anti-capture provisions

At 2014 AGM:

- consolidated non-paying categories into single non-voting “Supporter” category
- new entry-level Membership category (“Blue”)
- new modular revised Membership/Participation/Data-Sharing Agreements
- re-statement of Bylaws



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Membership Category Changes

- Replacing Associate/Affiliate/Contributor and Beneficial status with a single non-paying non-voting "Supporter" category
- Contributions in-kind required (& tracked !) at least once per year
- Aim is to migrate all legacy non-paying Participants to Supporter or paying category by 2015 AGM (October)
- Deprecating legacy categories at end 2015, any participants remaining in them will be terminated
- Please contact Sue Graves at <admin@dns-oarc.net> if you are in a legacy non-paying category



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New Membership Categories

- A 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
- Also increased minimum threshold for Platinum membership from \$12.5k to \$20k



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Data Sharing Agreement

- Separation of Data Sharing agreement from the Membership agreement
- Defines “Information” as something different from “Data”, and is shared among Members only
 - attack/vulnerability intelligence, outages, confidential new research, contact info
- Allows Members to join with the option of not sharing Data
- Allows Supporters to share Data without full Member privileges and obligations
- Text may need some revision to make researcher obligations over use of OARC data clearer



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2013 Governance Change Objectives

1. ~~Splitting the concepts of *Member* and *Participant* into separate agreements~~
2. ~~Normalizing the "Special" Board seats~~
3. **Ensuring greater Board candidate diversity**
 - *Board to document requirements*
4. ~~Moving the AGM date from June to Q3/Q4~~
5. ~~Formally remove voting rights for Beneficial members~~
6. ~~Rationalize multiple non-paying *Participant* categories into just one~~
7. ~~Review of annual budget by members during Q1/2 of each year~~



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Our “Ideal” OARC: Expenses

- Around \$400k/year running costs:
 - Infrastructure
 - Workshops, travel
 - Admin
 - Overheads
- Around \$600k/year staff costs:
 - Engineering: *2 FTE*
 - Project Management: *1 FTE*
 - Outreach/sales/marketing: *1 FTE*
 - Admin/Finance: *1 FTE*
 - Leadership: *1 FTE*



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Achieving Sustainability

- ~3.3 FTEs total lets you run an organization, *or* grow and develop it, but **not** both at same time
- Previous staff have struggled with this, ideally we need 4-5 FTEs for sustainable autonomy
- We have made great progress with organic revenue growth in the past 2+ years, but we need additional income sources
- Project and grant funding is in the development plan
- Next step is for Project Development Manager to raise such funding, which can then be used to support Software Engineer hire



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2015 Board Retreat

- Held before IETF92 in Dallas
 - thank you IAOC !
- 1 day Board-only, 1 day with Staff
 - getting new folks up to speed
- Mission Statement revision
- Funky flip-charts 😊



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2015 Retreat Conclusions

- Need to work on articulating OARC's value proposition, to retain and grow member base
- Define “Ideal OARC” in terms of mission, not just resources required
- Workshops working well
 - introduce researcher prize
- Time to re-start initiative for future of DSC
- Data collection faces increasing challenges
 - privacy, contributions, geo-diversity, friendliness
- Need to do further stakeholder survey polling
- Continue work on identifying project priorities



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2014-5 Finances



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DNS-OARC Financials

- Accounts for 2014 have once again been audited with clean bill of health
- AGM will seek formal approval of 2014 audited accounts
- 2014 status:
 - Budget was based on 30% annual target revenue growth from development plan
 - In practice, revenue was flat 2013-2014, but deferral of various expenditure items ensured year finished with small surplus



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Financial Overview

| | 2013 | 2014 | 2015 YTD | 2015 Budget |
|----------|--------|--------|-------------|----------------|
| Income | \$440k | \$449k | \$128k | \$710k |
| Expenses | \$337k | \$448k | \$135k | \$774k |
| Assets | \$405k | \$436k | \$437k | |
| Cash | \$295k | \$347k | \$396k | \$282k |



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Income Summary

| | 2013 | 2014 | 2015 YTD | 2015 Budget |
|-------------------------|---------------|---------------|---------------|----------------|
| Member fees | \$311k | \$399k | \$104k | \$535k |
| Donations | \$93k | \$0k | \$0k | \$20k |
| Workshop Sponsorship | \$36k | \$50k | \$14k | \$80k |
| Project Funding | \$0k | \$0k | \$10k | \$75k |
| TOTAL | \$440k | \$449k | \$128k | \$710k |



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Expenditure Summary

| | 2013 | 2014 | 2015 YTD | 2015 Budget |
|------------------------------|---------------|---------------|---------------|----------------|
| Consultants/ Professional | \$235k | \$283k | \$87k | \$490k |
| Capital Equipment | \$20k | \$39k | \$8k | \$57k |
| Co-location | \$8k | \$18k | \$4k | \$22k |
| Other | \$74k | \$108k | \$36k | \$205k |
| TOTAL | \$337k | \$448k | \$135k | \$774k |



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Future Workshops

- 3-4 October 2015
 - NANOG65, Montreal
 - Seeking sponsors
- 1-2 April 2016
 - IETF95, Buenos Aires
 - Hosted by NIC.AR
 - Sponsor benefits documented at:
 - <https://www.dns-oarc.net/files/meeting-sponsor.pdf>
- October 2016
- Spring 2017
 - Seeking proposals
 - RIPE/NANOG/ICANN/IETF/other/?



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Questions ?



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Contacting OARC

- Member Portal:
 - <https://portal.dns-oarc.net/>
- **<admin@dns-oarc.net>** +1 650 423 1344
 - <dalini@dns-oarc.net> +1 650 423 1448
 - <denesh@dns-oarc.net> +1 650 423 1455
 - <keith@dns-oarc.net> +1 650 423 1348
 - <sgraves@dns-oarc.net> +1 650 423 1323
 - <wfms@dns-oarc.net> +1 650 423 1447



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Fall 2015 Workshop Fairmont Queen Elizabeth Montreal, Canada 3 - 4 October

