

DNS-MODA

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Introduction

- Why DNS-MODA?
- What is it?
- Who's behind it?
- What will it do?
- Potential Members
- Immediate plans

WHY DNS-MODA?

- Lots of frustration with IETF process
 - Lack of progress: DNSSEC, LLMNR, etc.
 - WG “holy wars”
 - Difficult engagement
 - Volunteer effort model is not really sustainable
 - IESG workload
- Coming DNS developments will make things worse
 - ENUM, 3G, Ad-hoc networking, RFID tags, etc.

Filling The Void

- Can't wait for IETF to reform itself
 - What does industry do meantime?
- Need “something else”
 - Clear focus, dedicated efforts
 - Predictable, timely outcomes
- DNS-MODA
 - DNS Manufacturer's Operator's & Developer's Association

What is DNS-MODA?

- Soundbite version: W3C for the DNS
- Basic principles
 - Fee-paying membership organisation
 - Not for profit
 - Impartial and vendor-neutral
 - Employ DNS engineers to work on protocol:
 - Develop drafts, tools, BCPs, implementations?

What DNS-MODA isn't

- DNS-MODA is not:
 - A standards-making body
 - An attempt to undermine IETF
 - It will work with IETF
 - Fragmenting the DNS protocol
 - Producing proprietary solutions
 - All output in Public Domain

Who's behind DNS-MODA?

- 3 founding members
 - Autonomica
 - ISC
 - WIDE
- Steering committee until DNS-MODA membership elects exec. committee
 - Chair rotates between founders

Immediate Plans

- Budget for first year ~ EUR 800k
- Employ 6 staff:
 - 3 engineers, 1 outreach co-ordinator, 1 exec director, 1 admin person
 - Initial infrastructure support from founders
- Growth will be self-funding and organic
 - More staff as membership grows
 - More work items under way

What will DNS-MODA do?

- Probable work areas
 - DNSSEC deployment & migration
 - Location services for ad-hoc networks
 - BCPs on server placement & configuration
 - APIs for DNSSEC & IDN resolvers
 - IPv6 DNS deployment & migration
 - Server management & provisioning protocols

Potential Members

- Obvious choices:
 - TLD registries, large ISPs, RIRs, registrars, telcos
 - Hardware manufacturers
 - DNS Software developers
 - Governments & regulators
- Membership organisations:
 - ETSI, CENTR, 3G Forum, GSM Association
- Academic/research institutions

Short-term Plans

- Jim Reid as employee #1
 - outreach, recruitment, initial documents
 - business plan, membership justifications
- Recruit 6-8 members by end 2004
- Hire full-time engineering staff
 - Candidates already lined up
- Produce first deliverables in 3-6 months
 - probably BCPs and overviews of problem spaces

Governance

- Exec committee elected by members
 - Set policy, budget, fee structure, etc
- Architecture committee drawn from MODA engineering staff and membership
 - Oversee technical work
 - Determine priorities, review progress
 - Liaise with external bodies

Work Plan

- Advisory panel of DNS experts to be formed soon
 - Outline specific topics for DNS-MODA to explore
 - Work plan ultimately determined by members
- Earliest DNS-MODA members will be best placed to influence MODA's initial direction
 - Might be from unexpected sources
 - Mobile telcos, consumer electronics sectors

Alternatives

- Do nothing
- Wait for IETF reform/restructuring to complete
 - DNS-MODA like organisation is still needed
- If not DNS-MODA, something else will fill the void
 - May not be “IETF compatible”
 - Could have narrow focus and/or proprietary interest

QUESTIONS??