



Knowledge-sharing and Instantiating Norms for DNS (Domain Name System) and Naming Security

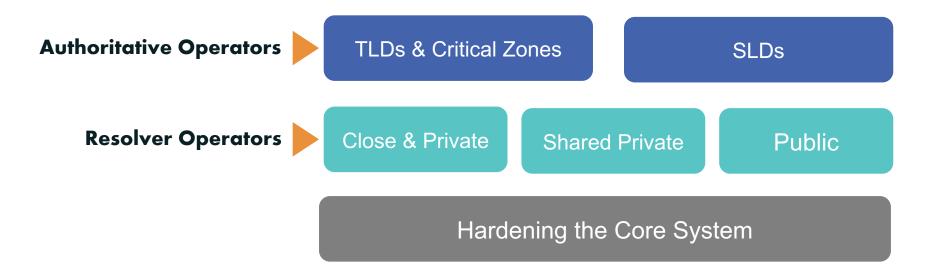
An initiative supported by ICANN to produce a simple framework that can help a wide variety of DNS operators, from small to large, to follow both the evolution of the DNS protocol and the best practices that the industry identifies for better security and more effective DNS operations.

.... is pronounced "kindness"



Targeted Operators





- Each category has 6-8 practices that we will encourage operators to implement. See www.kindns.org, for more details
- By joining KINDNS, DNS operators are voluntarily committing to adhere to these identified practices and act as "goodwill ambassadors" within the community.



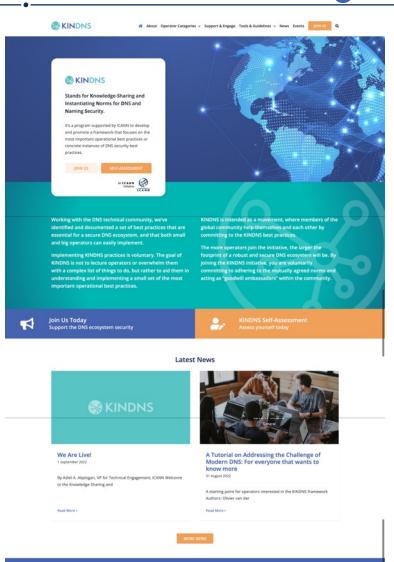
Self-Assessment & Enrollment



- Operators in each category can self-assess their operational practices against KINDNS and use the report to correct/adjust unaligned practices.
 - Self-Assessment is anonymous, and reports can be downloaded directly from the web site.
- 2. Operators can participate in one or multiple categories covered by KINDNS.
- Beyond participating as Operator, organizations can also soon participate as sponsors.



Website - kindns.org









Early Observations



1015

Views

Number of times your questionnaire has been opened by someone

608

Starts

Number of times someone clicked the start button of the questionnaire

158

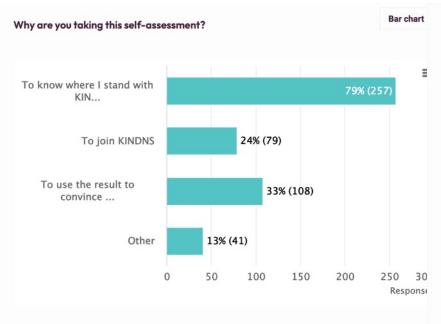
Partial responses

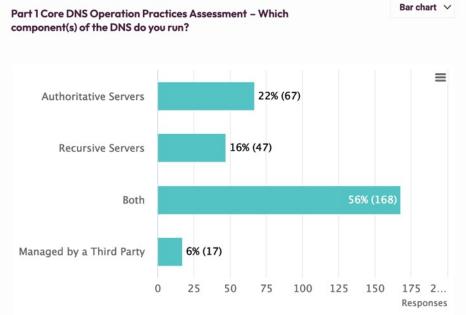
Number of responses saved with save and continue, but not finished yet

37

Unfinished responses

Number of times someone exited questionnaire without a complete response

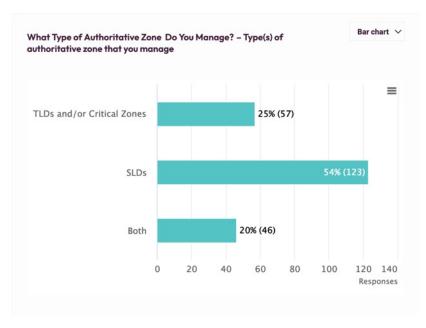




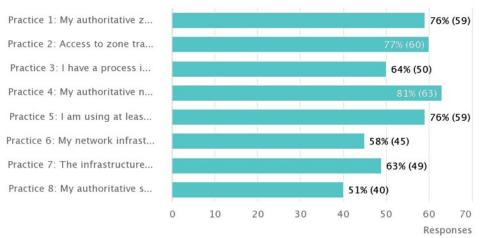


Early Observations (con't)

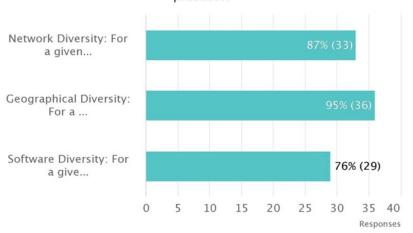




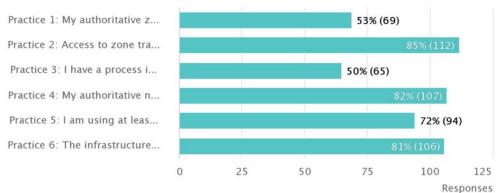
As Authoritative Nameserver manager for one or more TLDs or Critical Zones, I implement and adhere to the following practices:



Can you tell us more about your operational diversity practices?



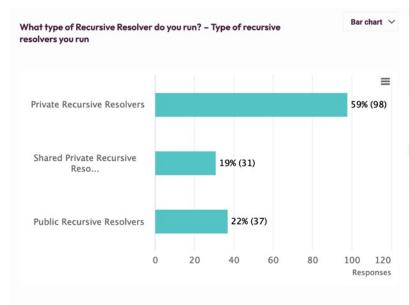
As operator of Authoritative Nameserver(s) for one or more Second Level Domains (SLDs), I implement and adhere to the following practices:



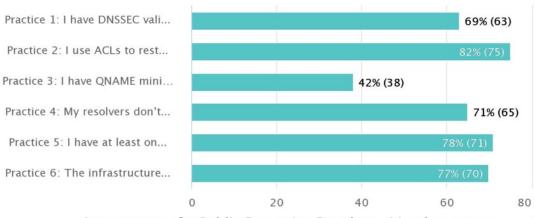


Early Observations (con't)

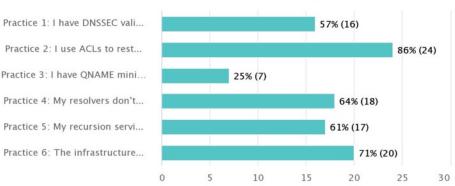




As a Private Recursive Resolver operator, I implement and adhere to the following practices:

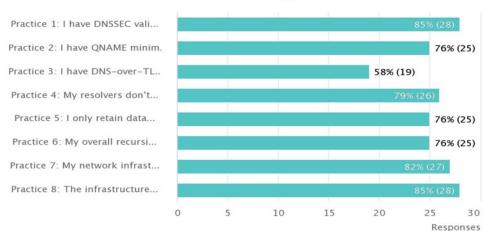


As operator of a Public Recursive Resolver, I implement or adhere to the following practices :



Responses

As a Shared Private Recursive Resolver operator, I implement or adhere to the following practices:





Current Focus: Phase 2



- Launching the enrollment management tool
- Continue to engage with operators to get them on board:
 - Direct 1:1 Engagements
 - Workshops & webinars to raise awareness on KINDNS practices as part of our overall DNS ecosystem security awareness program.
- Translating the website and the tools into other languages (starting with the self-assessment and enrollment tools).
- Working with the community to define indicators that can help measure elements of the global DNS operation that are impacted by KINDNS practices' implementation.
- Evolving the Self-assessment tool to be able to assess all or part of how operators implement the practices.
- Continue to encourage operators and partners to contribute and improve the practices of framework.



Discussion points:



- Adding Response Rate Limiting (RRL) to Authoritative Servers' practice
 - ccTLD and critical Zone Operators
 - Other SLDs too?
- 2. Addressing 'Split' responsibilities for Authoritative servers' operation:
 - Zone file content is controlled by a third party. i.e Root server operators and the root zone itself.
- 3. **Access reliability:** Reachability over IPv6, RPKI for the prefix used for the DNS servers.
- 4. Review team: Volunteers from the community to work with staff to help with assessing participating candidates or other aspect of KINDNS practice evolution.



How to Stay Informed and Contribute



Website www.kindns.org

Twitter https://twitter.com/4KINDNS

E-Mail info@kindns.org

Wiki page https://community.icann.org/display/KINDNS Where you can still find all the working documents.

Mailing list kindns-discuss@icann.org



Engage with ICANN



Thank You and Questions

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