

DNSSEC Deployment in the .gov TLD

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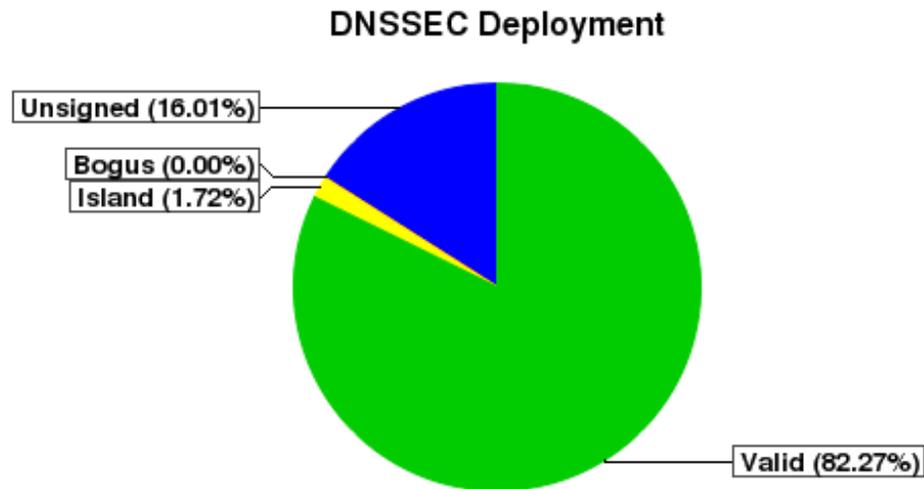
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DNSSEC Deployment Today

- Steady at ~82%
- Far fewer errors seen than four years ago
- Number of Federal .gov delegations shrunk from over 1700 to (currently) 1393.



Lessons Learned

- Set up a monitoring regime to report errors and progress.
- Insure each organization provides up to date POC for zone and/or security operations.
 - Who to contact when things go wrong.
- Encourage automation for applicable DNSSEC operations (e.g. resigning).
- Foster an internal community for admins to discuss issues, ask questions, etc.
 - Closed membership, if necessary

New Issues

- USG IT security policy now requiring DNSSEC validation (Spring 2014)
 - Dept Homeland Security still doing compliance checks.
- Seeing errors due to administrator turnover
 - Admins who did initial deployment leaving, new admins do not know procedures.
- Some agencies battling compliance checks when “moving to the cloud” if provider does not do DNSSEC.