

IN REGISTRY DNSSEC UPDATES

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Agenda

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- .IN Registry DNSSEC
- Registrar Participation
- Registry's Efforts
- Resources for Registrars
- DNSSEC Validation – Current State

.IN Registry DNSSEC

- .IN Registry has been an early adopter
- .IN zone was signed in November 2010
- Conducted DNSSEC Friends & Family Program
- In October 2011, DNSSEC was introduced in testing Environment
- Registry started accepting DS Records in November 2011



Registrar Participation

- Total 121 Accredited registrars
- Out of these 39 are DNSSEC enabled, including the top 10 registrars for the registry
- Total 2.0 M domain names registered
- Of that, 1287 are signed, as of September 2017 (<< 1%)



Registry's Efforts

- Conduct sessions for accredited registrars to encourage them to promote DNSSEC.
- Organize trainings and workshops on DNSSEC **with ICANN and APNIC** for anyone interested.



Resources for Registrars

- EPP RTK add-ons available from Registry Website
 - Link: https://registry.in/system/files/liberty-rtk-addon-0.5.0.tar__0.gz
- Update EPP client to support DNSSEC commands
- DNSSEC OT&E environment available



DNSSEC Validation – Current State

- Per data shared by an individual researcher, out of an available list of open resolvers (about 447 NS)
 - 34 Name Servers can validate DNSSEC
 - 144 Name Servers are aware of DNSSEC but can not validate
 - 299 Name Servers do not support DNSSEC
- Some IDNs have also been signed, e.g. <https://मेरा.भारत>

THANK YOU



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