DNS Root Server Governance

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DNS Root Server System (RSS) and TLD Registry

13 root servers consisting of 1040 instances operated by 12 Root Server Operators (RSOs)

TLD Registry is here

DNS managed by TLD

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Potential Issues regarding RSS

• Root DNS System is operated by 12 voluntary organizations
  – So far, no big problems happened however
  – Each RSO covers the cost of each root DNS system and operation → Financial sustainability? with growing traffic and security threat
  – There’s no clear standard and structure to govern the whole RSS → Service continuity?
  – There’s no mechanism for assuring technical ability of RSO and RSS → Service quality?

• 2015-2018 therefore
  – RSSAC spontaneously investigated how the future governance of RSO/RSS should be to serve as a sustainable base of the Internet

• 2019/11/07
  – ICANN Board resolved to launch the Root Server System Governance Working Group (GWG) to implement the new governance model for RSS based on RSSAC proposal (RSSAC037)
Proposed governance model
GWG

• Purpose and Mandate
  – core of the community-driven process to develop a final cooperation and governance model for the RSS based on RSSAC037

• Deliverable
  – The GWG shall develop a final model (“GWG Model”) of cooperation and governance for the RSS

• Composition
  – Luis Diego Espinoza Sanchez ccTLD Registry (associated with .na)
  – Peter Janssen ccTLD Registry (.eu)
  – Geoff Huston IAB
  – Ted Hardie IAB
  – Hanyu Yang gTLD Registry
  – Kurt Pritz gTLD Registry
  – Brad Verd RSO
  – Lars-Johan Liman RSO
  – Hiro Hotta RSO
  – Joe Abley SSAC
  + 3 liaisons (ICANN Board, IANA, Root Zone Maintainer)

• Timeline
  – Original plan is for GWG to finish the work in two years