Decentralized Internet Infrastructure RG

Charter Revision Discussion
DINRG@IETF-115

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DINRG Charter

- Current charter was developed several years ago
  - Focused on decentralization technologies
  - Intended to identify potential use cases
- Over time, gained better understanding
  of the problem space
  - Characterization of centralization
  - Measuring it
  - Architectural considerations
  - Technical proposals

A quick summary of DINRG Workshop on Centralization in the Internet June 3, 2021

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All meeting materials:
https://datatracker.ietf.org/meeting/interim-2021-dinrg-01/session/dinrg

Workshop recording: https://youtu.be/1kbsbvjb1zu

Charter Revision: New Objectives

- Make DINRG the forum to discuss Internet centralization and corresponding phenomena and threats in the IRTF/IETF community
  - Facilitate continuous efforts to identify topics in an open forum environments
  - Produce useful insights, recommendations and technology components that could help to make the Internet work better
- Measurements and analytical work on existing Internet infrastructure
- Generate knowledge and explore technical solution for facilitating decentralized system development
- Maintain broader perspective, including Internet architecture and technology and societal perspective, also informing other bodies, such as policy making, regulation

Structuring the Work: Two Main Strands

1. **Analytical Work**
   - Characterizing and assessing Internet centralization, including measurement work
   - Analyzing associated threats and documenting them

2. **Exploration of Decentralized Systems and Applications**
   - Decentralizing control power
   - Experimental solutions
   - What should be changed or kept in mind for the future, e.g., web security architecture

Charter Thoughts: Way of Working

- Generally try to structure around these two strands
- Try to identify research topics for continuous work
- Invite relevant research presentation as additional input or for identifying future work
- DINRG meetings and workshops
  - Not every meeting has to cover all three strands
  - Can decide to focus on subset(s)
- Research communities and relevant groups to work with
  - Suggestions?