

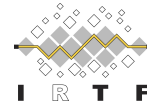
IETF 119

IRTF Decentralized Internet Infrastructure Research Group

2024-03-21

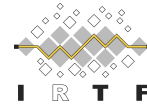
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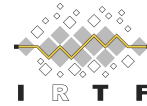


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Goals of the IRTF

- The Internet Research Task Force (IRTF) focuses on longer term research issues related to the Internet while the parallel organisation, the IETF, focuses on shorter term issues of engineering and standards making
- **The IRTF conducts research; it is not a standards development organisation**
- While the IRTF can publish informational or experimental documents in the RFC series, its primary goal is to promote development of research collaboration and teamwork in exploring research issues related to Internet protocols, applications, architecture, and technology
- See “An IRTF Primer for IETF Participants” – [RFC 7418](#)

DINRG Administrativa

- IRTF RG on Decentralized Internet Infrastructure
- Mailing list: din@irtf.org
- Web: <https://irtf.org/dinrg>
- Chairs
 - Dirk Kutscher, HKUST(GZ)
 - Lixia Zhang, UCLA
- This meeting
 - **Note taker:**

DINRG publications

- Research outcome should be published via research channels
 - Already published RFCs, if any, are grandfathered
- Everyone is welcome to add contributions and relevant materials to DINRG wiki

<https://wiki.ietf.org/en/group/dinrg>



Browse

/ group / dinrg

KEY SUBJECTS

Groups

Meetings

POPULAR PAGES

IETF 118 Hackathon

IETF 118 Meeting Wiki

HELP

Contributing to this wiki

Sandbox

DIN RG - IRTF Decentralized Internet Infrastructure

IRTF Decentralized Internet Infrastructure (DIN RG)

Edit

Edit on GitHub

Decentralization of the Internet Research Group (DINRG) Wiki

The Decentralization of the Internet Research Group (DINRG) aims to provide for the research and engineering community, both an open forum to discuss the Internet centralization phenomena and associated potential threats, and a platform to facilitate the coordination of efforts in identifying the causes of observed consolidations and the mitigation solutions.

DINRG Administrative Information

- ▶ [Official DINRG web page](#)
- ▶ [Mailing list](#)
- ▶ [Charter](#)
- ▶ [Previous Meetings](#)
- ▶ Current chairs dinrg-chairs@ietf.org
 - ▶ Dirk Kutscher
 - ▶ Lixia Zhang


Please Contribute

Research Resources

Observations and Measurements

- ▶ Christian Huitema, Geoff Huston, Dirk Kutscher, and Lixia Zhang. 2023. Report of 2021 DINRG Workshop on Centralization in the Internet. SIGCOMM Comput. Commun. Rev. 53, 2 (April 2023), 31–39. <https://doi.org/10.1145/3610381.3610386> 
- ▶ Leonhard Balduf, Maciej Korczyński, Onur Ascigil, Navin V. Keizer, George Pavlou, Björn Scheuermann, and Michał Król. 2023. The Cloud Strikes Back: Investigating the Decentralization of IPFS. In Proceedings of the 2023 ACM on Internet Measurement Conference (IMC '23). Association for Computing Machinery, New York, NY, USA, 391–405. <https://doi.org/10.1145/3618257.3624797> 

New Designs and Technology

- ▶ Martin Kleppmann, Adam Wiggins, Peter van Hardenberg, and Mark McGranaghan. 2019. Local-first software: you own your data, in spite of the cloud. In Proceedings of the 2019 ACM SIGPLAN International Symposium on New Ideas, New Paradigms, and Reflections on Programming and Software (Onward! 2019). Association for Computing Machinery, New York, NY, USA, 154–178. <https://doi.org/10.1145/3359591.3359737> 

Regulation

Economics

Agenda

1	DINRG Chairs' Presentation: Status, Updates	Chairs	10 min
2	Cyberspace Regulation Case Study	Xing Li	20 min
3	Delivering Social and Municipal Services	Wilfried Pinfold	20 min
4	Workspace: A Local-First Application Prototype	Xinyu Ma, Varun Patil, Tianyuan Yu	30 min
5	Discussion on RFC 9518 ("Centralization, Decentralization, and Internet Standards")	All	30 min
6	Wrap-Up	Chairs	10 min

Presentations

DINRG Future Meetings

- Might meet in Vancouver
- Trying to focus meetings on certain DINRG aspects (measurement, economics, tech)
- Your input wanted