IETF 126, Vienna + Online
NMRG 88th meeting

Chairs: Jéferson Campos Nobre, Jérôme François

Secretary: Pedro Martinez-Julia, Xiaohui Xie



Note Well – Intellectual Property

- **The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules**
- By participating in the IRTF, you agree to follow IRTF processes and policies:
  - If you are aware that any IRTF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion
  - The IRTF expects that you file such IPR disclosures in a timely manner – in a period measured in days or weeks, not months
  - The IRTF prefers that the most liberal licensing terms possible are made available for IRTF Stream documents – see RFC 5743
- Definitive information is in RFC 5378 (Copyright) and RFC 8179 (Patents, Participation), substituting IRTF for IETF, and at https://irtf.org/policies/ipr

Note Well – Audio and Video Recordings

- The IRTF routinely makes recordings of online and in-person meetings, including audio, video and photographs, and publishes those recordings online
- If you participate in person and choose not to wear a red “do-not-photograph” lanyard, then you consent to appear in such recordings, and if you speak at a microphone, appear on a panel, or carry out an official duty as a member of IRTF leadership then you consent to appearing in recordings of you at that time
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Note Well – Privacy & Code of Conduct

- As a participant in, or attendee to, any IRTF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public
- Personal information that you provide to IRTF will be handled in accordance with the Privacy Policy at https://www.ietf.org/privacy-policy/
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this
- See RFC 7154 (Code of Conduct) and RFC 7776 (Anti-Harassment Procedures), which also apply to IRTF
- Also see RFC 9775 (IRTF Code of Conduct)

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

Meeting useful links

- Materials: https://datatracker.ietf.org/meeting/126/session/nmrg
- Meetecho: https://meetings.conf.meetecho.com/ietf126/?session=35477
- Notes: https://notes.ietf.org/notes-ietf-126-nmrg
- Video recording: https://www.youtube.com/user/ietf/playlists
  - Available post-meeting

Agenda

- Introduction, status and news, RG Chairs, 5min
- Autosupervised automation loop system for cloud-native infrastructures, Stefano Secci, 20 min
- Building an Intelligent network @SURF, Peter Boer, 20 min
- Automated Agent-to-Agent Ontology Reconciliation for Cognitive Network Management Systems, draft-janz-nmrg-ontology-reconciliation-01, Christopher Janz, 10 min
- Sources of Inter-Agent Conflicts and Approaches to Conflict Resolution in Network Management, draft-janz-nmrg-inter-agent-conflict-resolution-00, Christopher Janz, 10 min
- Dynamic Network-as-a-Service Life-Cycle Automation Using End-to-End Agent Negotiation (with demo), draft-janz-nmrg-naas-agentic-negotiation-00, Christopher Janz, 10 min
- Agentic AI for Intent-Based Networking, draft-cxxx-nmrg-ai4ibn-00, Alex Clem or Toerless Eckert, 7min.
- Intelligent Data Plane (IDP): Framework and Protocol Considerations, draft-xu-nmrg-idp-framework-00, Xiangyu, 10 min.
- Framework for Normalizing Multi-Vendor Network Inputs for LLM-Assisted Network Management, draft-prabhu-nmrg-prompt-schema-llm-00, Shailesh Prabhu, 10 minutes
- Network Digital Twin and Agentic AI based Architecture for AI driven Network Operations, draft-wmz-nmrg-agent-ndt-arch, Cheng Zhou, 10 min.
- A Gateway for Network Knowledge Graph Management, draft-nmop-cui-nkg-gateway-00, Mingzhe Xing, 7 min.