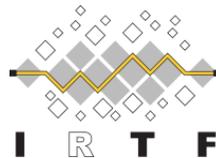


50th NMRG Meeting - IETF 103

Bangkok, Thailand

Laurent Ciavaglia



IRTF follows IETF policy (“Note Well”)

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

Volunteers ?!

Minutes taker(s)

Meetecho / Jabber scribe

Agenda

1. Introduction

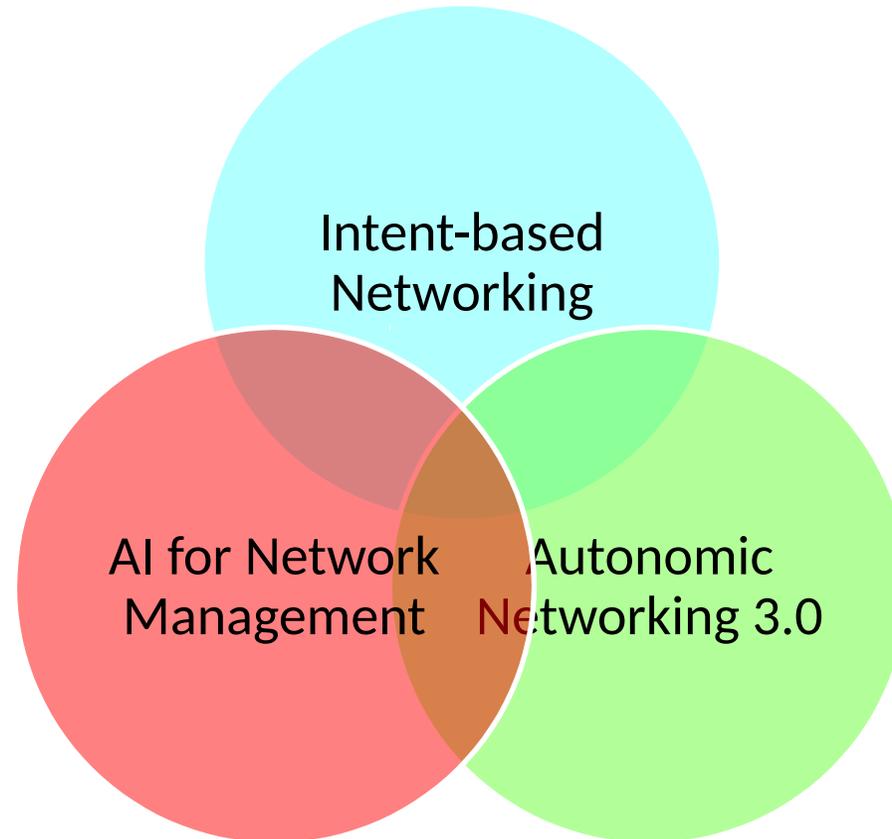
2. Progress on current research agenda

- Summary of Intent Based Networking (Jéferson)
- Summary of Autonomic Networking 3.0 (Jéferson)
- Summary of Artificial Intelligence for NM (Pedro)

3. Discussion on the future of NMRG

- Open mic + **Etherpad** discussion
<https://etherpad.tools.ietf.org/p/notes-ietf-103-nmrg>
- Wrap-up and information on way forward

Research agenda



More details in

<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8334913> (page 15)

Documents

- 6-7 active (individual) documents
 - Some related to research agenda items
 - Some new/renewed proposals
 - Part of NMRG evolution discussion

2019 meetings plan

- IETF 104, Prague, March
- IM 19, Washington, April – *under discussion*
- IETF 105, Montreal, July
- IETF 106, Singapore, November

Poll to identify interests in co-located meetings

- Conferences/events on topics different from network management
- Other RGs, SDO/user groups
 - Part of NMRG evolution discussion

Agenda

1. Introduction

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Future of NMRG

- New co-chair... soon... hopefully!

Future of NMRG

- Some important questions and principles
 - What is our shared goal?
 - Define the collective outcome we want to achieve with the RG
 - Who is the public? Which communities?
 - Define the scope and beneficiaries
 - What is our approach / way of working?
 - What is the link with IETF?

- Pluri-disciplinary
 - different, complementary competencies to solve problems
- Cross-fertilization
 - provide and get knowledge from others, enrich our understandings, broaden our views

Future of NMRG

- Process
 - Disruptive vs. incremental
 - Time to mature
 - Inspiring talks e.g. at IETF 104/105
 - Organization: hot topics, research challenges...
 - Capture discussion content e.g. on the wiki

Future of NMRG

- Some ideas and topics
 - Managing at ultra low and high scales and speed
 - Role and place of human (in the (management) loop), human-network interactions, instrumentation, visualization, trust/oversight
 - Post-NETCONF/YANG era
 - Site/Network Reliability Engineering field (SRE/NRE)
 - Foundations, principles, concepts, architectures, techniques, protocols, mechanisms, models, evaluations, benchmarking, tooling, toolchain, operations, lifecycle management
 - Application areas (IoT, 6G, nano-networks...)