

Network Management Operations (nmop) WG

Nov 05, 2024

This session is being recorded

Note Well

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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)

Note Really Well

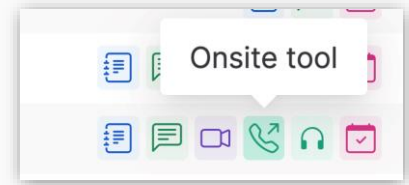
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IETF 121 Meeting Tips

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
 - join the mic queue
 - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*



Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

Agenda

Slot	Priority Label	Topic	Presenters
09:30 - 09:40		Agenda Bashing & Introduction	Chairs
09:40 - 10:10	P3	Digital Map: Concepts & Requirements	Olga
10:10 - 10:40	P1	YANG-Push to Message Broker Integration	Thomas
10:40 - 10:45	P2	Next Steps for the terminology draft	Chairs
10:45 - 11:00	P2	Incident Management YANG Module	Qin
11:00 - 11:20	P2	Follow up to the Anomaly Interim	Thomas/Vincenzo
11:20 - 11:30		Flash Teasers	Robert/Rob/Xing/Diego

Documents Status

Active Internet-Drafts (5 hits)			
draft-ietf-nmop-digital-map-concept-02 Digital Map: Concept, Requirements, and Use Cases	15 pages 2024-10-21	I-D Exists WG Document : Informational New	Mohamed Boucadair ✉
draft-ietf-nmop-network-anomaly-architecture-01 An Architecture for a Network Anomaly Detection Framework	19 pages 2024-10-20	I-D Exists WG Document : Informational New Sep 2024	Benoit Claise ✉
draft-ietf-nmop-yang-message-broker-integration-05 An Architecture for YANG-Push to Message Broker Integration	24 pages 2024-10-19	I-D Exists WG Document : Informational New May 2024	Mohamed Boucadair ✉
draft-ietf-nmop-terminology-06 Some Key Terms for Network Fault and Problem Management	13 pages 2024-10-17	I-D Exists WG Document : Informational New Reviews: genart Early intdir Early iotdir Early rtgdir Early secdir Early opsdir Early Jun 2024	Mohamed Boucadair ✉
draft-ietf-nmop-network-incident-yang-02 A YANG Data Model for Network Incident Management	2024-10-10	I-D Exists WG Document : Proposed Standard May 2024	Benoit Claise ✉

Adopted
since
IETF#120

Milestones: On Track!

Milestones

Date	Milestone	Associated documents
Dec 2025	Submit NMOP Terminology to the IESG	
Dec 2025	Submit Network Anomaly Management to the IESG	
Dec 2025	Submit Network Incident Management to the IESG	
Sep 2025	Submit Architecture for YANG-Push to Message Broker Integration to the IESG	
Jun 2025	Submit "Digital Map: Concept, Requirements, and Use Cases" to the IESG	

Done milestones


Date	Milestone	Associated documents
Done	Adopt a document on network anomaly management	draft-ietf-nmop-network-anomaly-architecture
Done	Adopt a terminology document for anomaly and incident management	draft-ietf-nmop-terminology
Done	Adopt a document on network incident management	draft-ietf-nmop-network-incident-yang
Done	Adopt a document describing how to integrate YANG Push with Apache Kafka	draft-ietf-nmop-yang-message-broker-integration

Interim Meetings: Past & Future

Past Meetings (within the last four years)

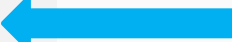
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Meeting 

Date 

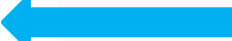
interim-2024-nmop-04

2024-10-01 15:00-17:00 CEST

 Digital Map

interim-2024-nmop-03

2024-09-11 16:00-18:00 CEST

 Anomaly

- *Future interims are likely to be scheduled before IETF#122 (Anomaly, Map)*
- *Drop us an email if you have comments/suggestions about interims*

Anomaly Interim (Reminder)

Thomas/Vincenzo
will follow-up

- 1) Is it worth to document lessons learned/shared out of this valuable « bring your own outage » (credits to Rob :-)) effort? Share Quick Wins?
- 2) Is the WG interested to investigate means that would help with auto-generation of correlation and then help with efficient mitigation? Do we have a candidate technical approach? Can data annotations be useful here?
- 3) Call for contributions to the KG experiment with a focus on anomaly
 - Share more lessons on automatic mapping of YANG to ontologies?
- 4) We have so far two drafts to "plug" in the network anomaly detection framework
 - Do they fulfill the needs expressed so far?
 - Do we need others?

Digital Map Interim (Reminder)

Olga will summarize the progress and follow-up

- Digital Map Terminology
 - Should this WG try to define the "topology" term only to be consumed for digital map?
 - Should this WG try to define the "topology" term for the IETF?
 - How "network topology" differs from "topology"?
- Digital Map Requirements
 - Whether (if so how and to what extent) dynamic information is needed to be linked to the core digital map?
 - REQ-RELATIONSHIPS is redundant
- Hackathon plan to be coordinated for RFC 8345 and RFC 8795?

Misc.

- Open Mic (*if time permits*)