Network Management Operations (nmop) WG

March 18, 2024

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- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
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Note Really Well

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- Use Meetecho (usually the “Meetecho lite”) client to:
  - join the mic queue
  - participate in shows of hands
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**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

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A Word from the AD

- Rob
Initial WG Priorities: Reminder

- The current topics of focus for the working group are:
  - NETCONF/YANG Push integration with Apache Kafka & time series databases (P1)
  - Anomaly detection (P2.A) and incident management (P2.B)
  - Issues related to deployment/usage of YANG topology modules (e.g., to model a Digital Map) (P3)
  - Consider/plan an approach for updating RFC 3535-bis (collecting updated operator requirements for IETF network management solutions) (P4)
Priority I

NETCONF/YANG Push Integration (15 min)

Goals:

- Clarify the problem to be solved (Highlight main integration concerns/missing pieces)
- Describe the dependencies, status, and next steps

An Architecture for YANG Push to Apache Kafka Integration (10 min)

- I-D: draft-netana-nmop-yang-kafka-integration
- Presenter: Thomas Graf (onsite)

Q&A (5 min)
Priority II.A

Anomaly Detection (25 min)

Goal:
- Clarify the problem to be solved

Experiment Semantic Metadata Annotation for Network Anomaly Detection + Network Anomaly Postmortem Lifecycle (15 min)
- l-Ds: draft-netana-nmop-network-anomaly-semantics & draft-netana-nmop-network-anomaly-lifecycle
- Presenters: Thomas Graf (onsite) and/or Vincenzo Riccobene (remote)

Q&A (10 min)
Priority II.B

Incident Management (25 min)

Goals:

- Clarify the problem to be solved (network, service, etc.)
- Clarify how this effort fits within the overall SDO ecosystem
- Agree on required actions to ensure this effort is useful for operators + a SDO coordination is in place early in the process

Incident Management for Network Services (10 min)

- I-D: draft-feng-nmop-incident-management
- Presenter: Qin Wu

Common vocabulary for incident management (5 min)

- I-D: draft-davis-nmop-incident-terminology
- Presenter: Nigel Davis (onsite)/Adrian Farrel (remote)

Q&A (10 min)
Priority III

Issues Related to Deployment/Usage of YANG Topology Modules (25 min)

Goals:

- Clarify the problem to be solved
- Next step: how to structure this work?

Problem Space and Modeling Issue of the Digital Space (15 min)

- I-Ds: draft-ogondio-nmop-isis-topology & draft-havel-nmop-digital-map
- Presenters: Oscar Gonzalez de Dios (remote) & Olga Havel (remote)
- Slot: 15 min

Q&A (10 min)
Priority IV

Collecting Updated Operator Requirements for IETF Network Management Solutions (15 min)

Goals:

- Explain the rationale for this work
- How to collect operator requirements?

An Update of Operators Requirements on Network Management Protocols and Modelling (10 min)

- I-D: draft-boucadair-nmop-rfc3535-20years-later
- Presenter: Luis Miguel CONTRERAS MURILLO

Q&A (5 min)