A YANG Data Model for Network Diagnosis by Scheduling Sequences of OAM Tests

draft-ietf-opsawg-scheduling-oam-tests

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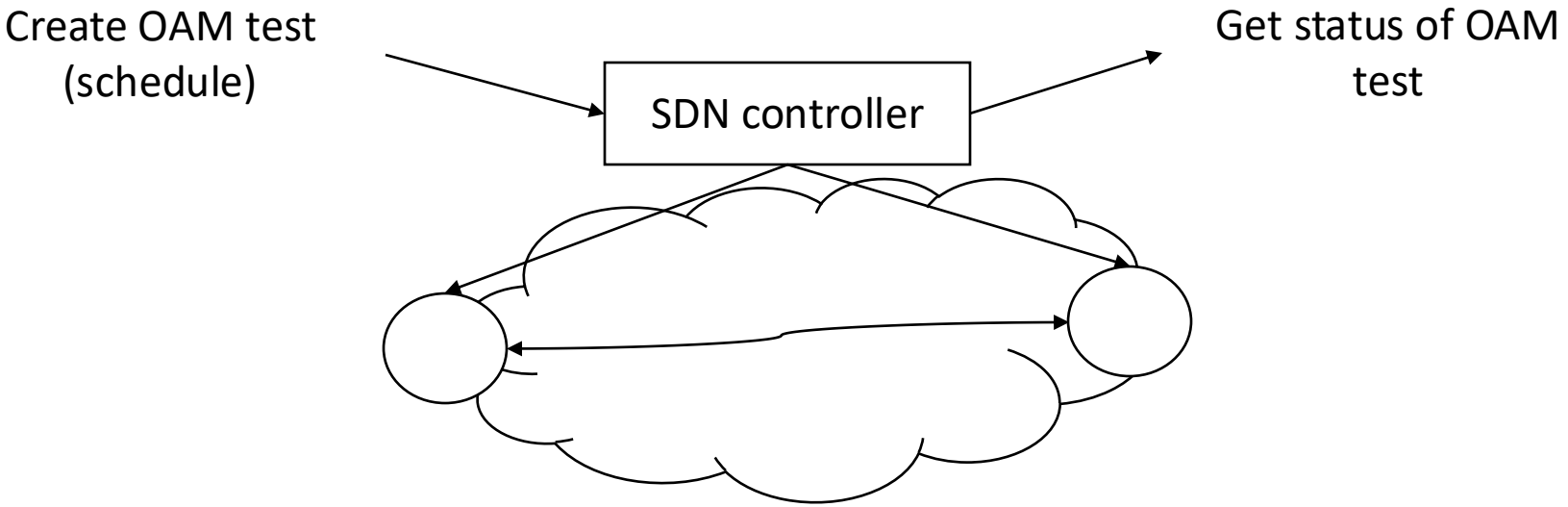
Introduction

- This document specifies a YANG data model for scheduling and coordinating sequences of OAM tests



- This work aims to reuse existing work like [RFC8531], [RFC8532] and, [RFC8533], which defined YANG models for OAM technologies.

Updates in version 01

- New version of the document covering 13 of the 21 issues opened (https://github.com/vlopezalvarez/draft-contreras-opsawg-scheduling-oam-tests).

1. Clarified draft scope and usage (Issues: #16, #7, #9, #18)

- Clarified the usage of the YANG modules: oam-unitary-test (for single tests) and oam-test-sequence (for composed test workflows).
- Added explanation of how the draft builds on and complements existing models, such as ietf-netmod-schedule-yang and RFCs 8531–8533.
- Emphasized network-wide coordination of OAM tests, rather than device-local execution.
- Added a section on how to handle conflicts among overlapping scheduled OAM tests (queueing, rejecting, or rescheduling)

2. Minor model improvements (Issues: #19, #17)

- Added config false; to operational state/status leaves in the YANG models.
- Included a new section explaining how input parameters and output results are modeled.

3. Editorial and reference fixes (Issues: #23, #20, #15)

- Unified list formatting in Markdown.
- Removed duplicated text across sections.
- Clarified references to normative documents and standards track drafts.

Next steps

- Collaborate with Qin Wu to update the YANG model and propose changes to the WG.
- Collect WG feedback on the improved model and overall approach.
- Align with ongoing developments in related YANG drafts (e.g., ietf-netmod-schedule-yang).
- Prepare and submit a new draft revision ahead of IETF 124.