Two-Way Active Measurement Protocol (TWAMP) Data Model

draft-ietf-ippm-twamp-yang-01
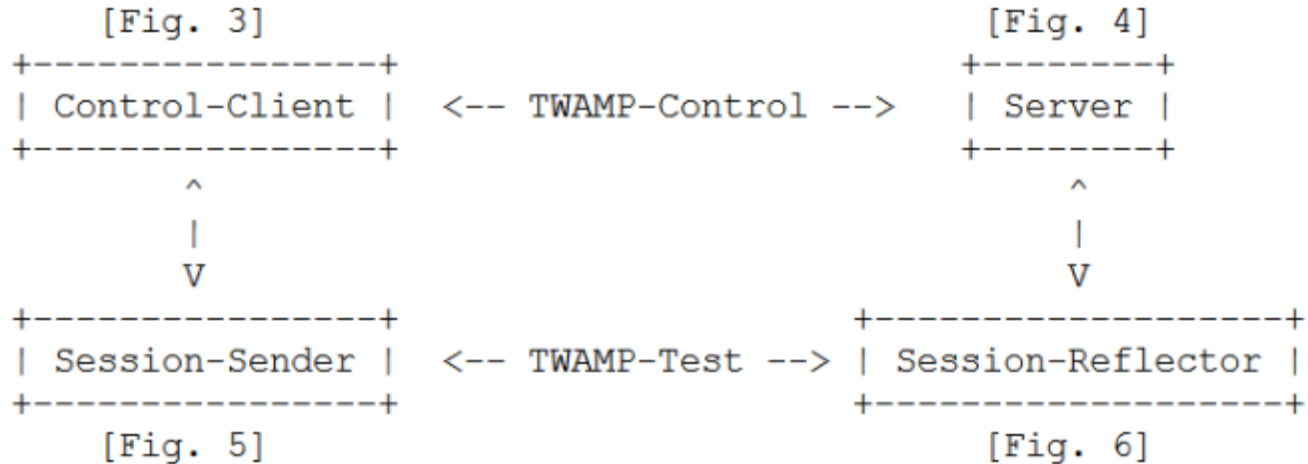
Ruth Civil, Al Morton, Reshad Rahman, Mahesh Jethanandani, Kostas Pentikousis (Ed.), Lianshu Zheng
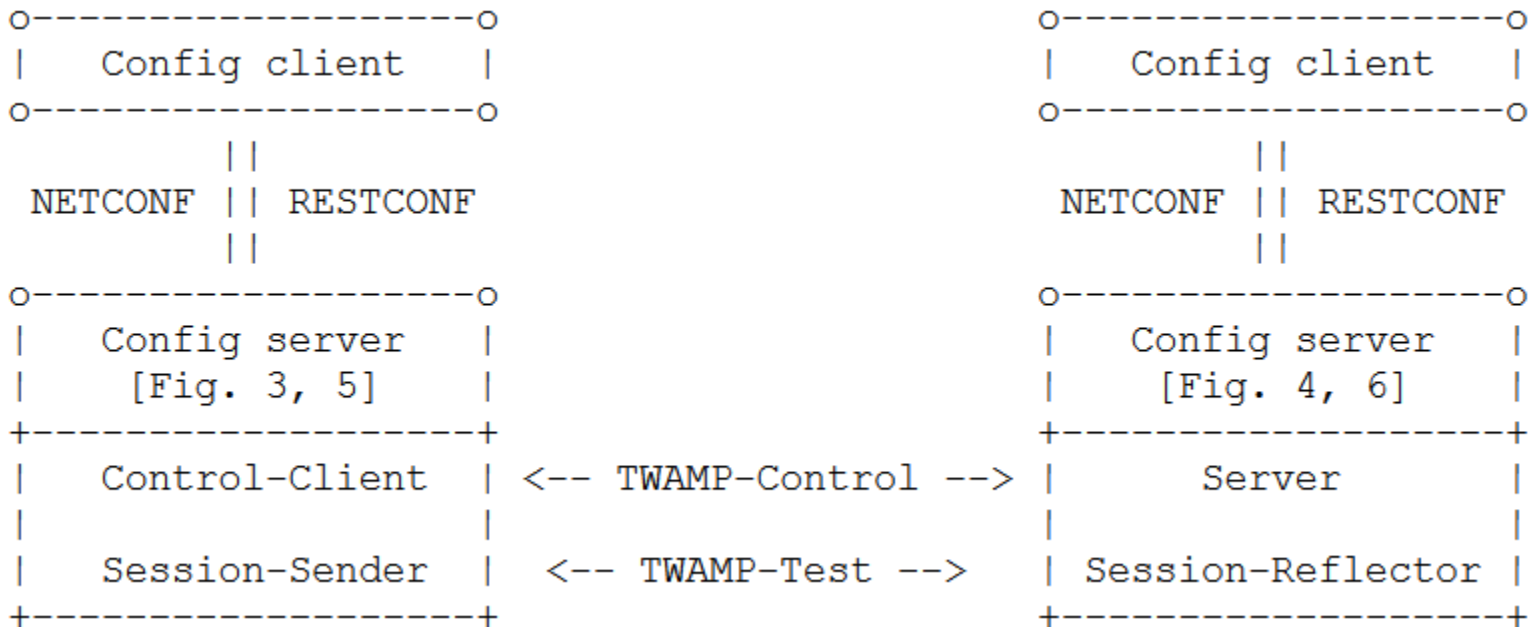
IETF-96

Berlin, Germany

TWAMP Logical Model

```
            [Fig. 3]                                    [Fig. 4]
     +-----------------+                              +--------+
     | Control-Client  |    <-- TWAMP-Control -->     | Server |
     +-----------------+                              +--------+
             ^                                             ^
             |                                             |
             V                                             V
     +-----------------+                      +--------------------+
     | Session-Sender  |   <-- TWAMP-Test --> | Session-Reflector  |
     +-----------------+                      +--------------------+
            [Fig. 5]                                    [Fig. 6]
```

Fig. 2

```
 o------------------o                       o------------------o
 |   Config client  |                       |   Config client  |
 o------------------o                       o------------------o
          ||                                         ||
 NETCONF  ||  RESTCONF                      NETCONF  ||  RESTCONF
          ||                                         ||
 o------------------o                       o------------------o
 |   Config server  |                       |   Config server  |
 |   [Fig. 3, 5]    |                       |   [Fig. 4, 6]    |
 +------------------+                       +------------------+
 |  Control-Client  | <-- TWAMP-Control --> |      Server      |
 |                  |                       |                  |
 |  Session-Sender  | <-- TWAMP-Test -->    | Session-Reflector|
 +------------------+                       +------------------+
```

Draft Updates since IETF 95 (-00)

- **Revised based on YANG Doctors' review**
  - Moved and updated each attribute definition to the YANG module, which now becomes the authoritative TWAMP data model specification
  - Several YANG module optimizations/fixes, parameter renaming, edits and clarifications
  - Sections 3 & 4 edited and shortened to provide an overview and UML diagrams that introduce TWAMP protocol experts to the data model

Updates since IETF 95 (-00) cont.

- Added YANG module usage examples covering IPv6

- Added Security Considerations

- Added explanation about TWAMP operational commands, which are out of scope (cf. unlabeled links in Fig. 1)

  - This document can only define a data model for RFC 5357 (standards track) and its updates

Way Forward

- The draft has benefitted significantly from the latest round of reviews—Thank you!

- Another round of YD review should be next

- Followed by WG review/last call?