VIAVI TestCenter Active Performance Monitoring Bundle

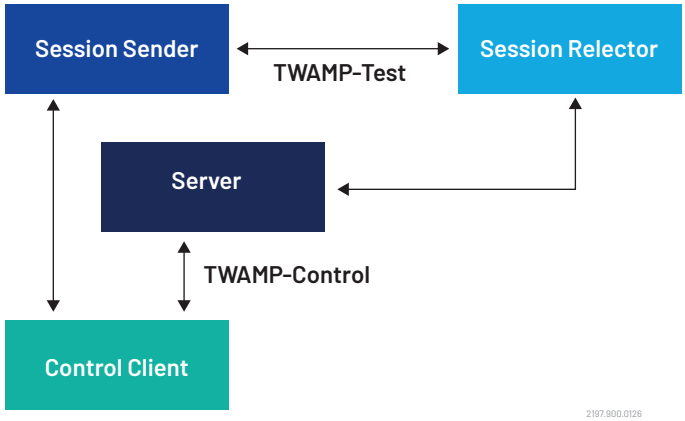
For AION

TWAMP and TWAMP Light Emulation

Overview

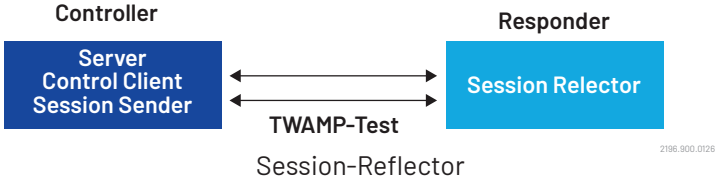
Two-Way Active Measurement Protocol (TWAMP) is used to measure two-way or round-trip network performance parameters such as latency and jitter by sending probe packets and measuring their experience in the network.

TWAMP is often used to check Service Level Agreement (SLA) compliance, and it consists of two inter-related protocols: TWAMP-Control and TWAMP-Test as shown in below figure.



TWAMP Test Flow

In the case of TWAMP Light, the roles of Control-Client, Server, and Session-Sender are implemented in one host referred to as the controller, and the role of Session-Reflector is implemented in another host referred to as the responder. The Session-Reflector does not necessarily have knowledge of the session state.



Session-Reflector

VIAVI TestCenter TWAMP and TWAMP Light Emulation helps ensure TWAMP functionality design and measure network performance by emulating Client/Controller and/or Server/Responder.

Key Use Cases and Benefits

- **Real-time Network Performance Measurement –** Measure network performance accurately by using timestamp
- **Comprehensive Testing –** Provide two-way, one-way and server processing service measurement
- **Flexible Configuration –** Emulate Controller or Responder or both with varies parameters for different scenarios

Features and Benefits

- Support RFC5357
- Support both TWAMP and TWAMP Light
- Provide both round-trip and one-way service measurement
- Can emulate Client/Controller and Sever/Responder
- Support both IPv4 and IPv6
- When emulating TWAMP Client/Controller, support user configurable connection retry interval, retry count, source/destination UDP port, session timeout timer and duration, and DSCP
- When emulating TWAMP Light Responder, support user configurable local UDP ports
- Provide session counts for request, accept, failed, start, start acknowledge and stop at both Client and Server sides
- Rich two-way network performance service measurements include minimum latency, maximum latency, average latency, minimum jitter, maximum jitter, and average jitter
- Enhanced one-way network performance service measurements include client to server min/max/ average latency, client to server min/max/average jitter, server to client min/max/average latency, and server to client min/max/average jitter

Ordering Information

Product Number	Description
AON-PB-APM*	AION Active Performance Monitoring Bundle

*Bundles are available in different number of seats, contact your VIAVI Sales Representative to find the right combination for your testing needs.

About AION

VIAVI AION is a flexible delivery platform that enables users to achieve improved deployment and provisioning for all their cloud and network testing needs. Built with your needs in mind, offering maximum flexibility in acquiring and utilizing VIAVI TestCenter platforms.

The extended platform combines a wealth of industry-leading test solutions with a flexible licensing architecture to support a wide range of next-generation solution-based domain applications.

AION offers a centralized management hub to help leverage software and hardware functionalities across all lab users and locations for a simplified management and decision-making process:

- **Flexible purchasing options** available via subscription, consumption-based, and perpetual plans, with the ability to license different bandwidth, scale, and protocol bundles.
- **Flexible deployment options** offered include cloud-delivery, on-prem, and laptop-hosted licensing services.

Enhanced user serviceability delivers always-on platform services from auto-discovery and inventory management to user and workspace administration, notifications, and log aggregation.

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