



TRAMIR - Visualization of network traffic in real-time

Overview

SwiftWing TRAMIR is designed to visualize network traffic by graph and analysis on real-time. It provide effective and easy detection of fraudulent access, fault isolation, and anomaly.

TCP/UDP flow analysis feature enables advanced analysis such as service usage and anomaly detection by analyzing provides HTTP response time and measuring the HTTP meta-data.



Key Features

Advanced DPI Analysis

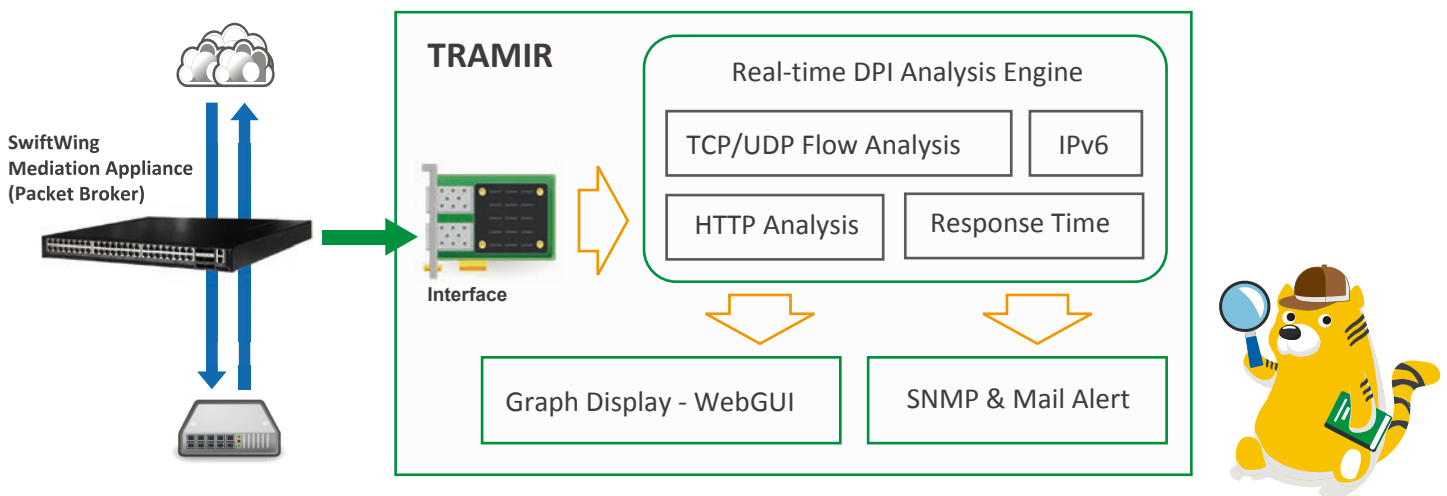
SwiftWing TRAMIR provides more than 60 kinds of graphs to visualize the network conditions (Transferred Traffic by Service, TCP Connection Quality, TCP Transmission Quality, HTTP TAT Analysis, HTTP Meta Analysis, IP Conversation Ranking, HTTP 404 Response Count, etc).

▶ TCP Connection Quality / Transmission Quality Analysis

- 3-way Handshake Response Time / Retransmit Count / Round-Trip Time
- ZeroWindow Segments / Packet Loss Sessions / Retransmitted Segments

▶ HTTP Packet / Meta-Data Analysis

- Request Method / URI / Host / Referer / User-Agent / Response Time



Visualize everything of the network traffic

Over 60 types of graph displays with flexible sort options. Real-time update of the displayed graphs (period options of 15mins/30mins/1hour/...)

► Communication delay time validation

HTTP TAT by Meta-Data (Method, etc.)

TCP TAT During 3way Handshake

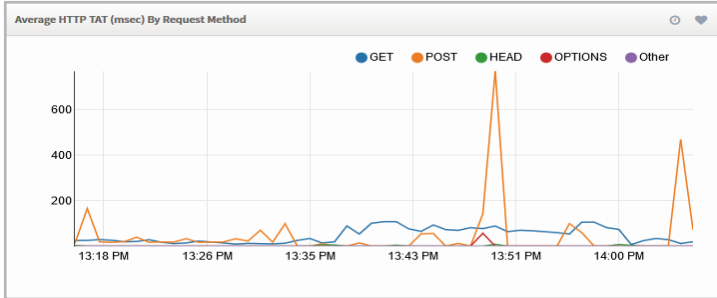
TCP TAT During Session Establishing

TCP RTT by IP Address Prefix

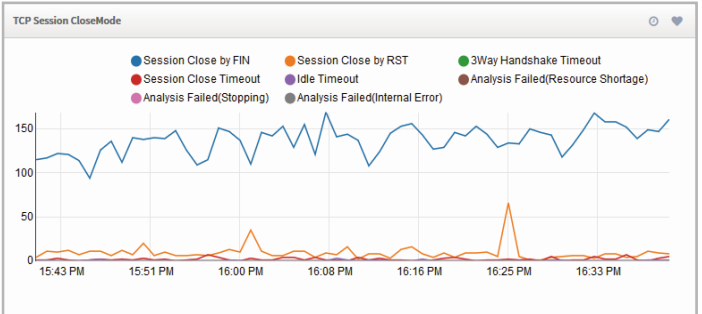
► Supports the analogy of **suspected point of packet loss** by TCP retransmission count and direction

► Assists the **detection of network fault point** by RST count or RTT by communication direction

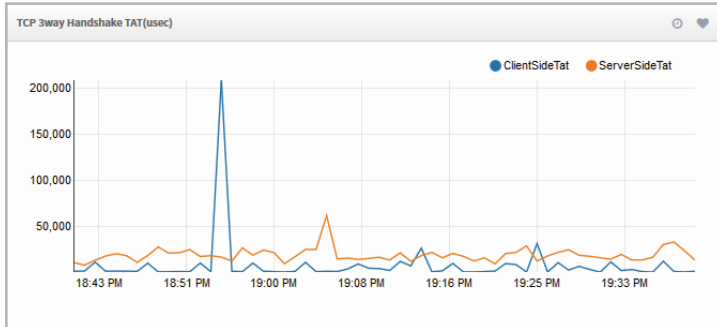
► HTTP TAT by Request Method



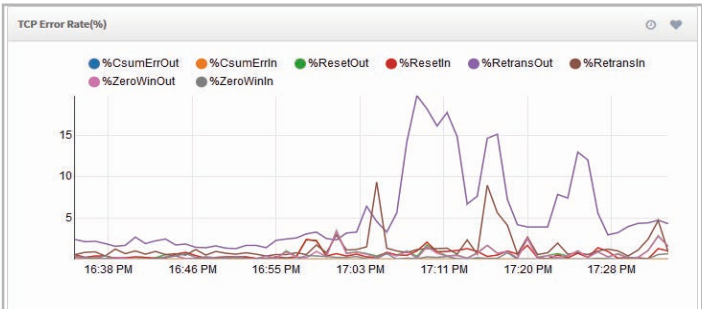
► TCP Session Close Status



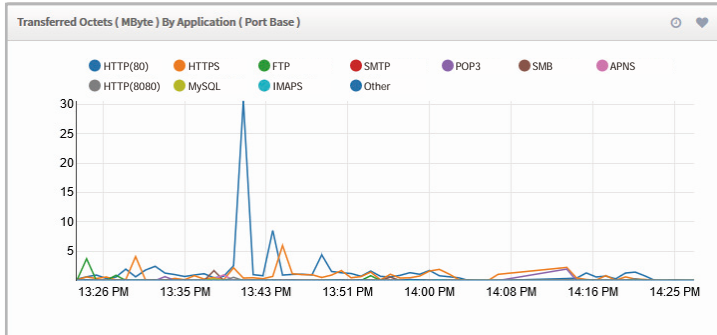
► TCP TAT During 3-way Handshake



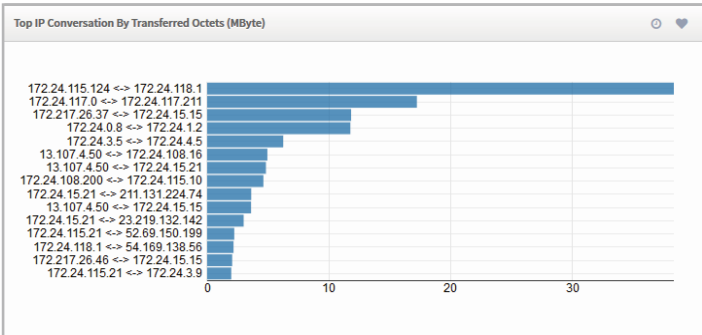
► TCP Error Rate



► Transferred Octets by Application (Port Base)



► IP Conversation by Transferred Octets Top 15



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