GENERAL PRESENTATION

NETWORK PERFORMANCE INTELLIGENCE

2019/10 - RIGA



Portfolio

1. H5 audits

About us, Vision and Mission Customers and Partners

2. Network Performance Intelligence

- 2.1 Visibility needs Users expectations
- 2.2 Volume, Performance, packets capture
- 2.3 H5 product ranges
- 2.4 Data Access



H5 audits

ABOUT US, VISION & MISSION, CUSTOMERS AND PARTNERS



About us

French Software Company since 2009

- □ 2011 : H5-700 10 Gig
- ☐ 2015 : Cyclic Capture-Rolling Buffer, new Range H5-App cc
- □ 2017 : Cloud applications based (O 365, One drive, etc...)
- 2018 : H5-800 40 gig

100+ Customers & 1000+ IT audits

- Thales Alenia Space, Airbus Defense and Space, Safran, CNES
- Decathlon, Generali, Sanofi, Club Méditerranée
- ☐ EDF, Cities and public companies, French Ministry of Defence, NATO



Vision & Mission

In order to improve IT operations, Enterprises, Service Providers and Governmental Organizations rely heavily on their global IP network infrastructure for their business applications and business services.

H5 provides to Enterprises, Service Providers and Governmental Organizations a global Network Performance Intelligence solution. A vital need for quick, accessible and comprehensive IT business visibility





Customers and Partners









ThalesAlenia

a Thales / Leonardo company Space





NEXTIRAONE























2.1

NETWORK PERFORMANCE INTELLIGENCE

VISIBILITY EXPECTATIONS OF ORGANISATION PLAYERS



Visibility needs - Users expectations - IT Manager



- X Track critical Business applications and Business Services
- X Take the right Business decisions business effective capacity planning
- X Improve collaboration within IT teams



- ✓ Business Flow SLA Reporting
- ✓ Tailored and Synthetic Business Dashboards
- Common solution for all IT actors



Visibility needs - Users expectations - Network Eng.



- X Understand the causes of malfunction and/or degradation
- X Improve infrastructure
- X Accelerate problem resolutions



- Identification of causes: is it the network or the apps?
- Customizable reports by « drag and drop » (metrics, graphs,...)
- Fast and Friendly GUI
 General Company Presentation



Visibility needs - Users expectations - Business



- X Fast understanding of incidents root causes
- X Enhance productivity
- X Improve tickets resolution time



- ✓ Business flow ALERTING in real-time
- PROACTIVE rather than REACTIVE
- ✓ Dedicated dashboards



Visibility needs - Users expectations



Unique business flows reporting solution
One common solution for all actors



2.2

NETWORK PERFORMANCE INTELLIGENCE

VOLUME, PERFORMANCE, PACKETS CAPTURE



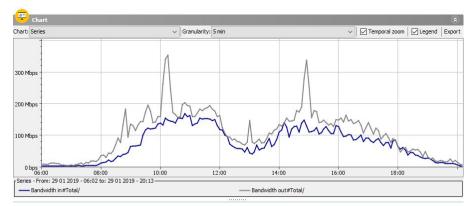
Volume

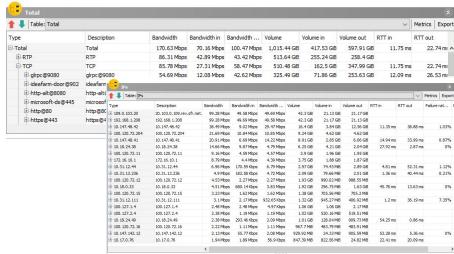
Captured and stored Data

- Bytes sent and received
- Throughput per second in & out
- Apps Connections count

Aggregated Data by business flows that are defined by IP addresses & TCP/UDP port

- Data aggregation and over-time persistence
- Data analysis and drilldown
- Reporting and Broadcast
- Triggering of alerting







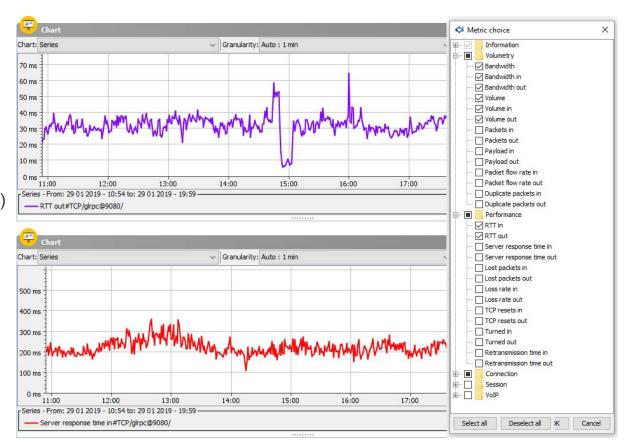
Performance

TCP

- Connection setup time
- Server Response Time
- ✓ TCP Round trip time (RTT)
- Retransmissions

RTP

- ✓ Jitter
- Packet Loss
- MOS





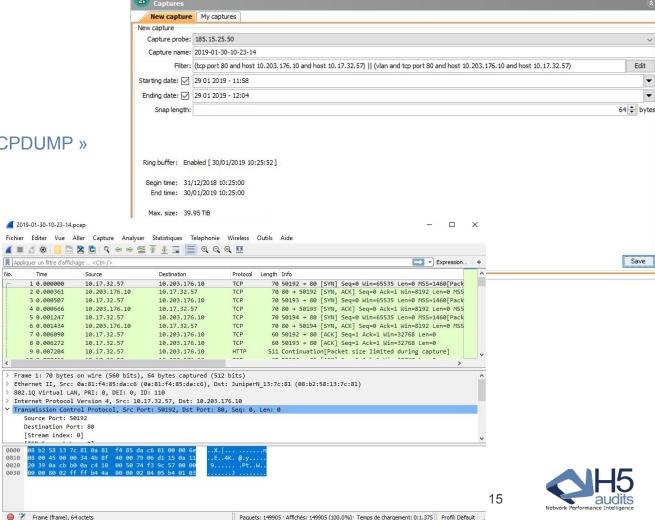
Packet Capture

Advanced Filters layout « TCPDUMP » Planification:

- On past periods
- Instantaneously
- On setup
- On alert

Packets management:

- ✓ Storage
- Reviewing
- Export



2.3

NETWORK PERFORMANCE INTELLIGENCE

H5 PRODUCTS RANGE



H5 Range

Product Range	Business Flow support	Volume Monitoring	Performance Monitoring	Packets Capture	Infrastructure Visibility	Performance
H5-Flow	V	V				From 50 interfaces 50K-500K flow
H5-Appliance	V	V	V	V		10 Mb/s to 40 Gb/s











2.4

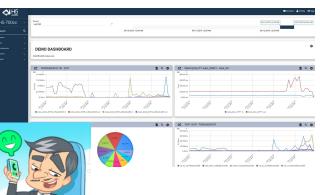
Network Performance Intelligence

DATA ACCESS



H5 Dock **Analytics Client**

H5 Reporting HTML5 Portal



Zabbix Integration

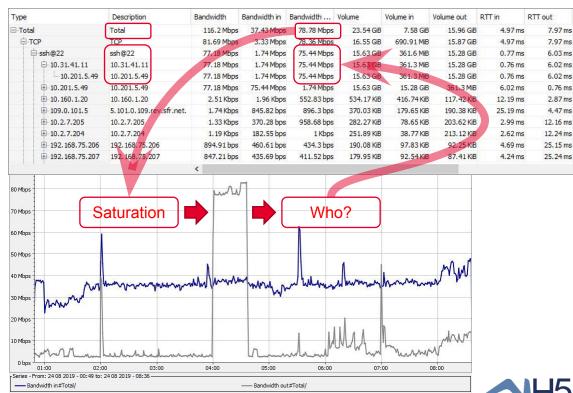




H5 Dock Analytics Client

- Display 70 metrics in Real Time :
- Bytes, Mbps, Packet loss, Response Time, Network Delay, Jitter, Bursts, etc.
- Switch from table to chart in seconds... and vice versa...
- Zoom to minute granularity
- Drilldown to flow level

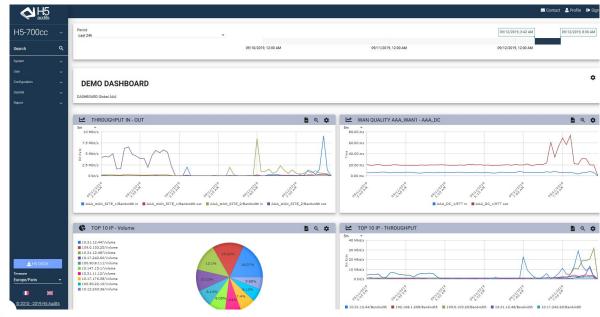






H5 Reporting HTML5 Portal

- Distribute reports across the organisation
- High who-gets-what granularity
- Service Assurance, Health Reports, Capacity Planning, etc.



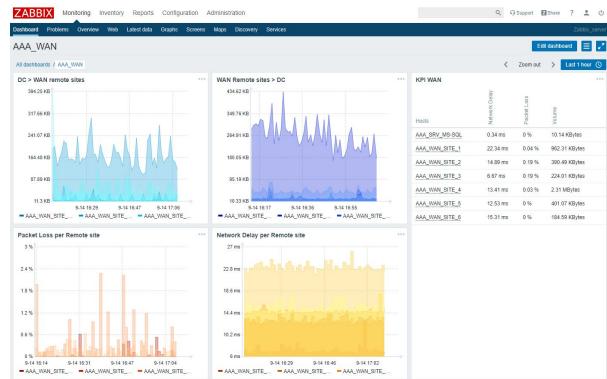




Zabbix Integration

- Based on H5 SOAP Client
- Download Network Traffic data from H5 appliance
- Network Supervision Systems
- Create Network Traffic Dashboards and Alerts for :
 - Network objects : SaaS servers, Remote sites, etc.
 - New Metrics/Items : Flow Packet Loss, Network Delay, Response Time, etc.









To know more about our solutions

Meet us on our Booth

Join our Workshop Tomorrow 8:45 AM

