

NETWORK VISIBILITY

Giordano Zambelli

ntopConf ITA (PD) 09/05/2019

WARNING

The information contained in this document is the exclusive property of verXo S.R.L.

Total or partial disclosure to third parties without authorization is not permitted. The information contained in the document may be subject to change or change without notice.

verXo S.R.L. declines all responsibility for any errors contained in this document.

ABOUT VERXO

Verxo Srl is a new IT Company focused on projecting and building high technology infrastructure. Our knowledge and experience are able to produce solutions specialized on: Security, Data Center, Virtualization, Networking Security and Cloud Integration.





COSA PROTEGGIAMO – ATTACK FLOW

THREAT TARGETS ATTACK CALL BACK Compromised Network EndPoint EndPoint Workstation User Network WebApp Server Lateral Security Mobile Mindset Protection Protection Security Protection Protection Movements Hardening **SECURITY INFO** PASSIVE INTELLIGENCE **ACTIVE INTELLIGENCE**

INBOUND TECH. MITIGATION

USER MITIG.

OUTBOUND TECH. MITIGATION

COSA PROTEGGIAMO – ATTACK FLOW

THREAT TARGETS ATTACK CALL BACK FireEye FireEye FireEye FireEye SONICWALL SONICWALL netwrix **SOPHOS** Qualys. **SOPHOS** SONICWALL **SOPHOS** SONICWALL **SOPHOS** SONICWALL **SOPHOS SOPHOS** 減 SONICWALL **FireEye** SONICWALL Qualys. **SOPHOS** netwrix **SECURITY INFO** PASSIVE INTELLIGENCE **ACTIVE INTELLIGENCE**

















USER MITIG

OUTBOUND TECH. MITIGATION

















NETWORK VISIBILITY

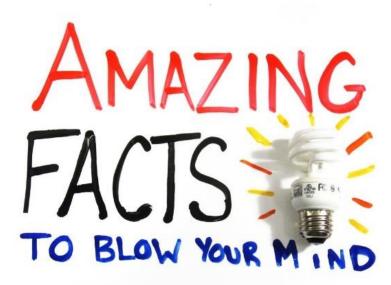
....a feature not a pain!



NETWORKS AS-IS

Customer perspectives:

- ✓ My Network throughput is very good, we have just upgraded our backbone to a 40Gbs....
- ✓ We have a Back-to-Back firewall architecture that are best of bred since six years....
- ✓ We check every single object with a the best of the market network monitoring solution...



CHALLENGE

Some easy questions:

- ✓ Are you able to see who is using your internet bandwidth just in time?.
- ✓ Have you some old systems running on your network?
- ✓ Have you never thought that your perimeter firewall rules are to open?

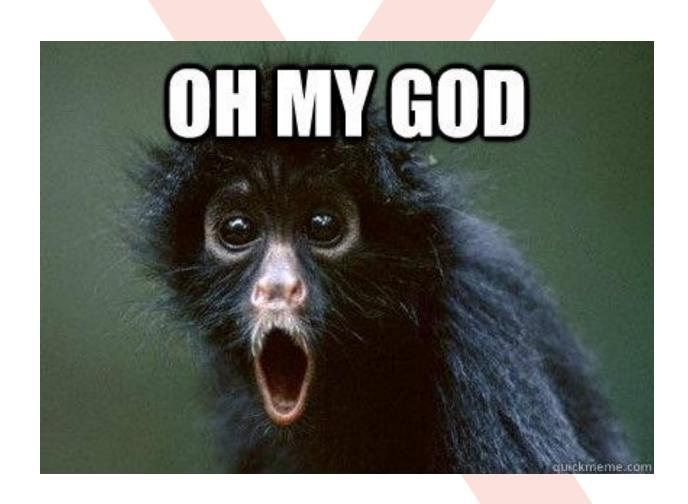




REAL ANSWERS WITH REAL NEEDS

- ✓ Bandwidth Usage.
- ✓ Flows behavior.
- ✓ Network Protocol Assessment.
- ✓ Network Application Impact.
- ✓ Cloud Service Usage.
- ✓ Network Metrics.
- ✓ New Security Perspective.
- ✓ Intuitive GUI.

.. Visibility



PAINS

- ✓ Poor or Blind Visibility.
- ✓ No Compliances views.
- ✓ No Cloud Impact Analysis.
- ✓ Historical data with bugs.
- ✓ No Alerting on traffic flow behavior.
- ✓ No Teamwork with Networking Devices.
- ✓ Difficult Packet Analysis.



FEATURE

- ✓ Enhanced Traffic Flow Visibility (Nord-South and East-West).
- ✓ Traffic Compliances (SMBv1, Telnet,).
- ✓ Performance Metrics (Throughput, Latency, Cloud App Impact).
- ✓ Bug Free Historical data (near second visibility).
- ✓ Proactive Alerting (Flooding, Performance and behavior Triggers).
- ✓ Deep Analysis (PCAP analysis).
- ✓ Data Flow and Location results (SNMP).
- ✓ Strategical Analysis (Trending, bandwidth usage predictions, etc).
- ✓ Security Analytics (SSL Connection, Blacklisted flow, Flooding, DGA).



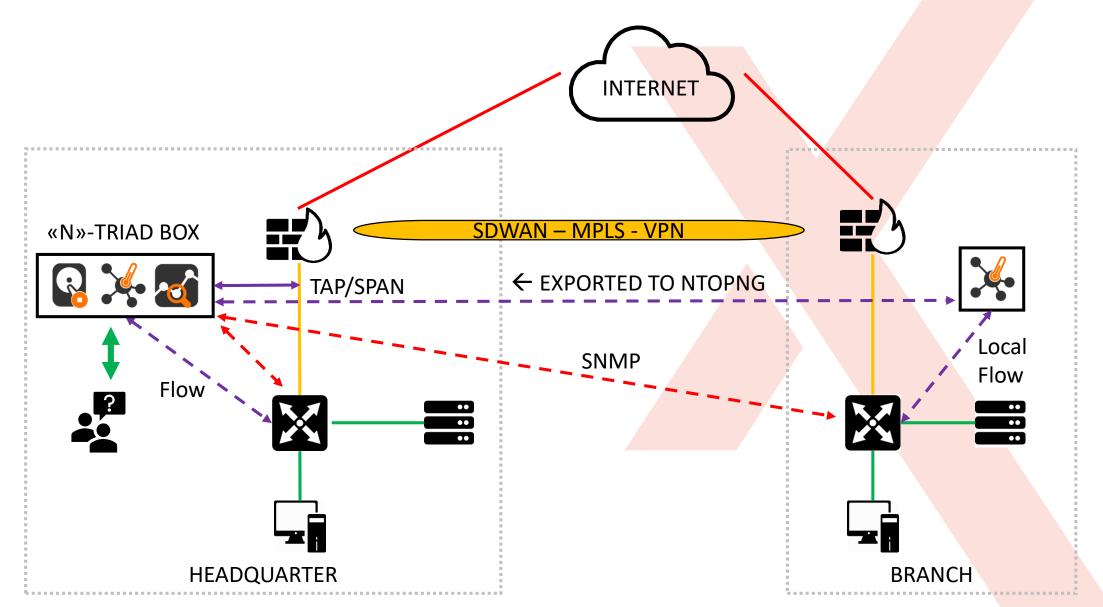
WHO NEEDS NTOPNG

- ✓ Field System Engineers
- ✓ All the Customers
- ✓ Security Engineers
- ✓ Consultants
- ✓ NOC/SOC
- ✓ Curious... and passionate

..and the best consultants for perfect integration!



NTOPNG «NO FEARS» LANDSCAPE



THINK DIFFERENT





THANKS

Giordano.zambelli@verxo.it www.verxo.it