

RSA Ready Implementation Guide for RSA | Security Analytics

Ixia Vision ONE Network Packet Broker v4.7.4

FAL, RSA Partner Engineering
Last Modified: 4/30/2018

Solution Summary

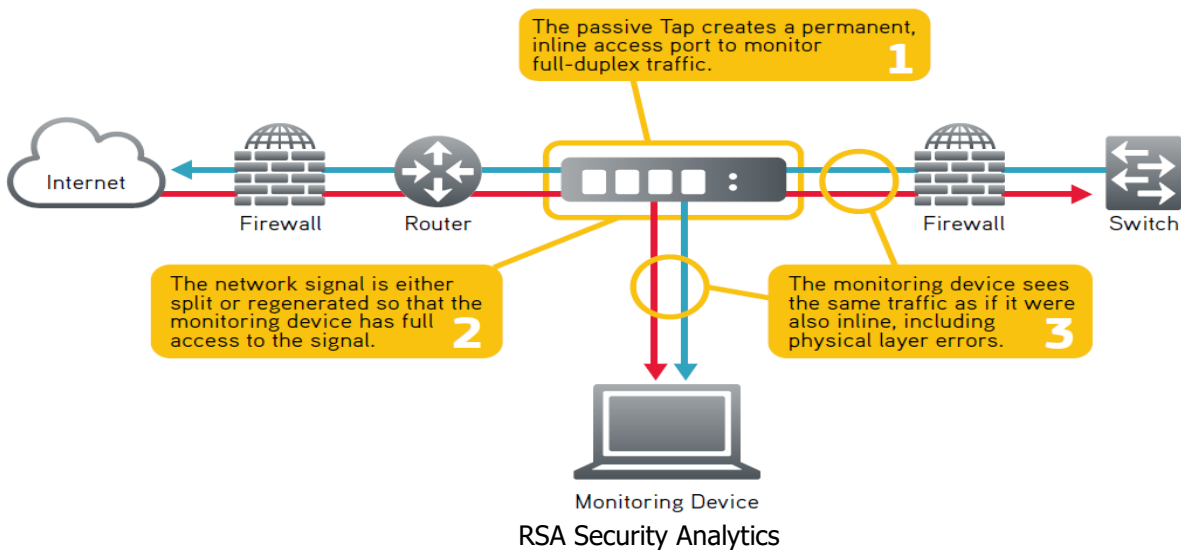
The Ixia Vision ONE delivers performance and intelligence as a Network Packet Broker (NPB), with port density and speeds that scale to your needs from 1Gb to 100Gb. With an intuitive web-based interface, and a powerful API, the NPB Visibility Fabric is able to replicate, filter, and selectively forward network traffic to monitoring, management, and security tools such as RSA Security Analytics.

RSA Security Analytics Tested Features	
Vision ONE NPB v4.7.4	
Flow / Traffic Mapping	yes
De-duplication	yes

HOW IT WORKS

Network Tap Deployment

Network Taps use passive splitting or regeneration technology to transmit inline traffic to an attached management or security device without datastream interference.



Partner Product Configuration

Before You Begin

This section provides instructions for configuring the Ixia Vision ONE NPB with RSA Security Analytics. This document is not intended to suggest optimum installations or configurations. It is assumed that the reader has both working knowledge of all products involved, and the ability to perform the tasks outlined in this section. Administrators should have access to the product documentation for all products in order to install the required components. All Ixia components must be installed and working prior to the integration. Perform the necessary tests to confirm that this is true before proceeding.

!> Important: The configuration shown in this Implementation Guide is for example and testing purposes only. It is not intended to be the optimal setup for the device. It is recommended that customers make sure Ixia Vision ONE is properly configured and secured before deploying to a production environment. For more information, please refer to the Ixia Vision ONE documentation or website.

Ixia Vision ONE Configuration

Launching the Ixia Vision ONE Web Management Interface

Ixia Vision ONE provides you with an intuitive, drag-and-drop interface for your nodes. Although a familiar command-line interface could be used for similar configuration tasks, Vision ONE simplifies many common tasks, allowing you to configure packet distribution visually instead of entering text in the CLI. All the administration tasks of this guide will be performed through the Vision ONE web interface.



Configuring Flow / Traffic Mapping

Flow Mapping is the power at the heart of the Ixia Vision ONE where you decide how traffic arriving on network port is handled. Ixia Vision ONE packet distribution starts with network ports and ends with tool ports. Network ports are where you connect data sources to the Ixia Vision ONE systems. Tool ports are where you connect destinations for the data arriving on network ports. You decide which traffic should be forwarded, where it should be sent, and how it should be handled once it arrives.

1. Point to the Vision ONE and launch the Web Console I and log in

Welcome to Vision ONE
The Vision ONE provides a cost effective solution to the challenges of monitoring enterprise networks by extending the range and depth of security and network tool coverage in the data center. This Vision ONE increases network visibility, optimizes tool utilization, and helps speed troubleshooting efforts. You can immediately optimize efficiency for a wide range of network tools such as application monitors, protocol analyzers, IDS, VoIP analyzers and data recorders.

Contact Information
Visit [our support page](#) for support and contact information. For more information about the full assortment of Ixia's products, please visit www.ixiacom.com.

Launching the Vision ONE Web Console
Use the default user name (admin) and default password (admin) to sign on to the system the first time.

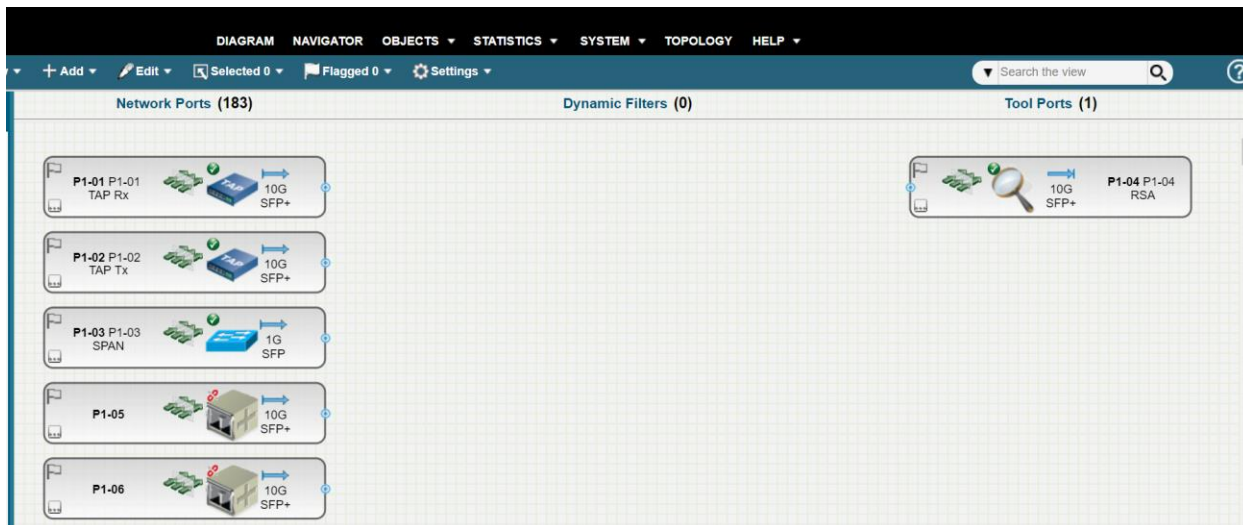
Accessing the REST Web API documentation
Visit the [documentation page](#) to access a description of the REST Web API service available on this device.

Downloads
You may download and install the packages by clicking on the links below.
[SNMP MIBs](#) [RADIUS Dictionary](#)

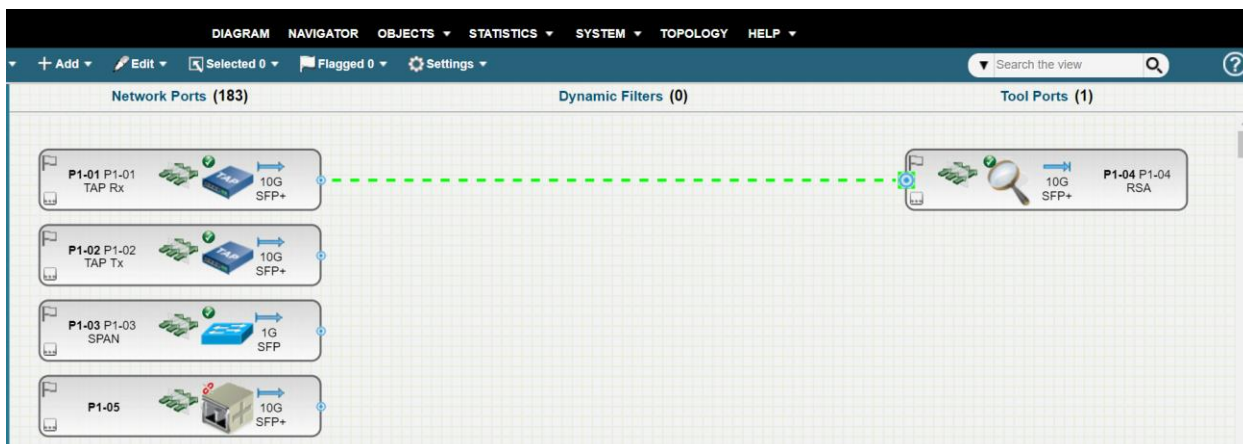
LAUNCH WEB CONSOLE

Ixia Vision ONE Network Packet Broker v4.7.4

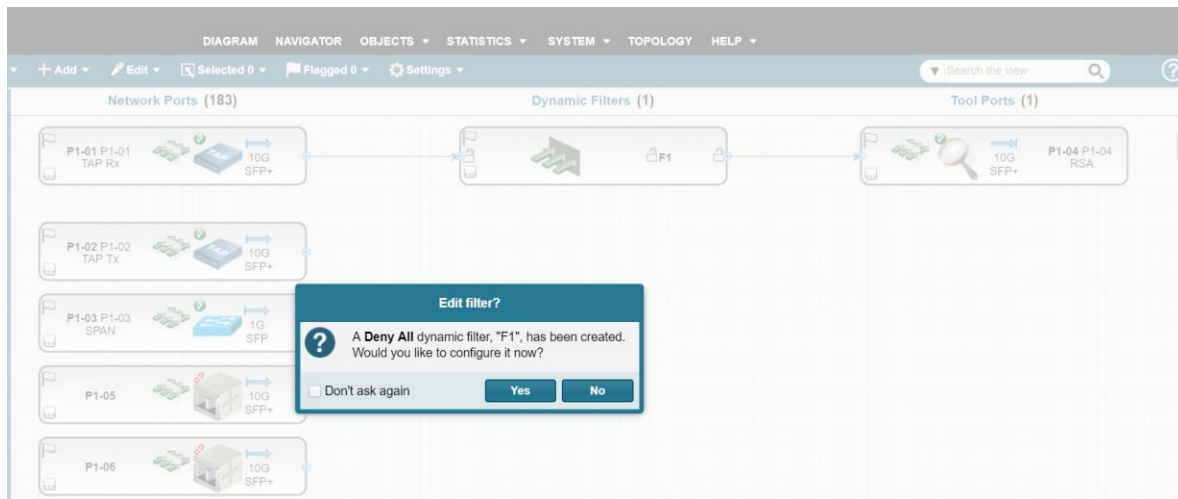
2. Click on the Diagram icon on the left.
3. Right click the ports you want to configure for traffic.
 - Set the mode to Network for TAP/SPAN Connections and Tool mode for RSA Security Analytics
 - Enable the port
 - Under properties rename the port for convenience



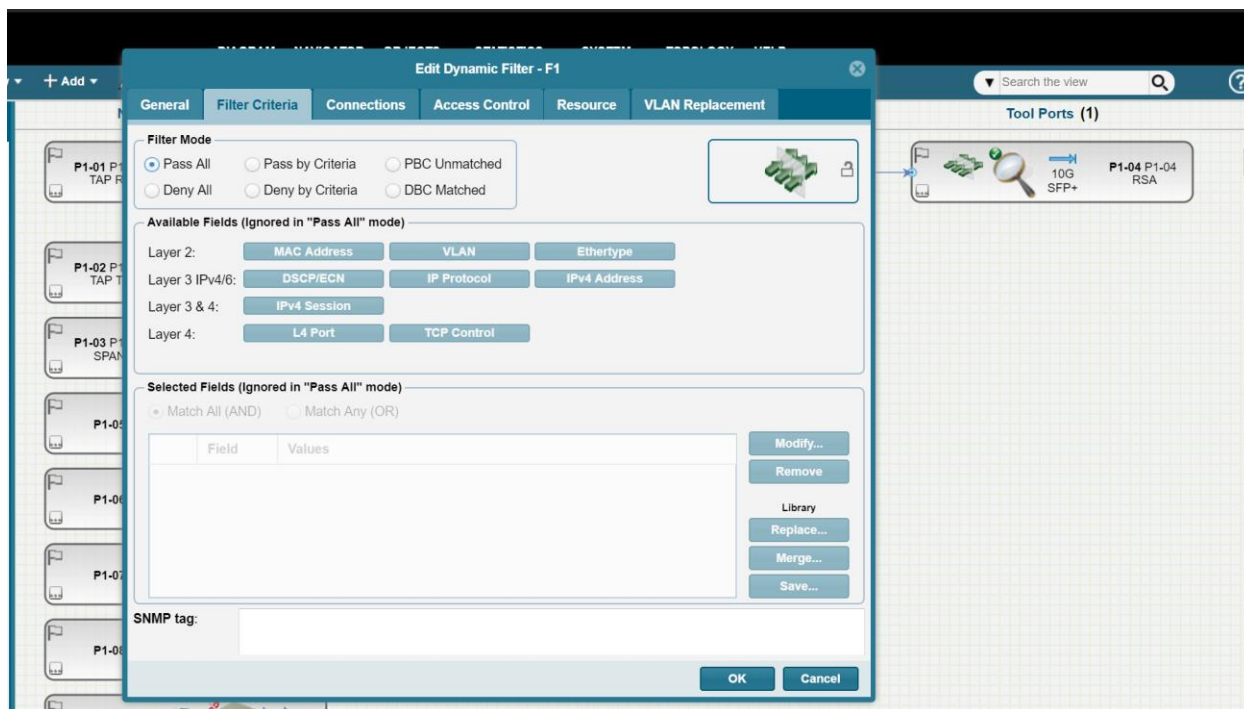
4. Select a Tap Rx port and from the small blue square click and drag to tool Port that you want to connect to



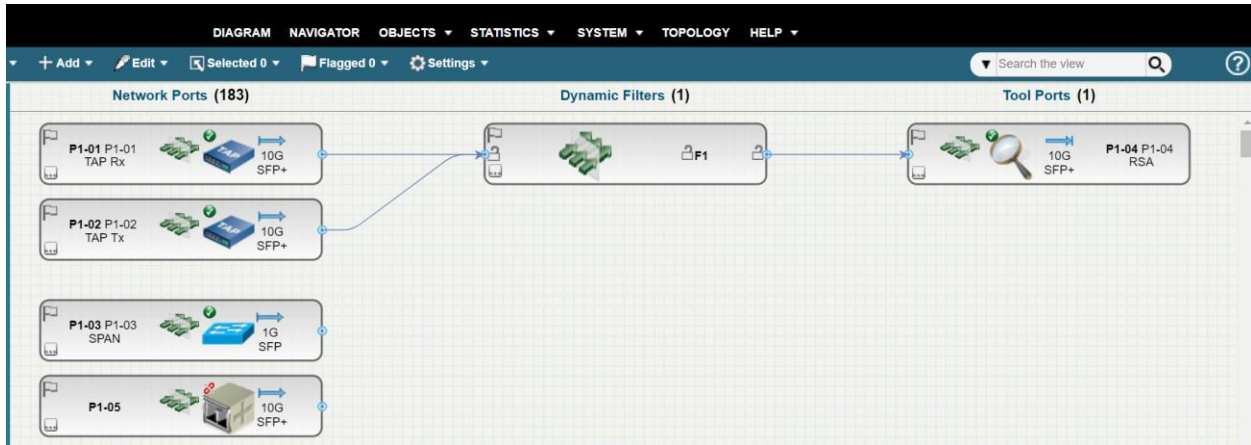
5. Click Yes in the pop up.



6. Right click the filter criteria and select properties at the bottom and in the filter tab select the Pass all Button and click ok until done.



7. Connect Tap Rx to RSA Tool via the Dynamic filter created in previous step (and repeat again for any needed network SPANS or TAPs) Note: Taps are preferred because they do not drop packets.



Traffic Filtering

8. Right click Dynamic Filter and select properties at the bottom and in the Filter criteria tab choose your desired Filter Criteria

Edit Dynamic Filter - F1

General | **Filter Criteria** | Connections | Access Control | Resource | VLAN Replacement

Filter Mode

Pass All Pass by Criteria PBC Unmatched
 Deny All Deny by Criteria DBC Matched

Available Fields

Layer 2:
Layer 3 IPv4/6:
Layer 3 & 4:
Layer 4:

Selected Fields

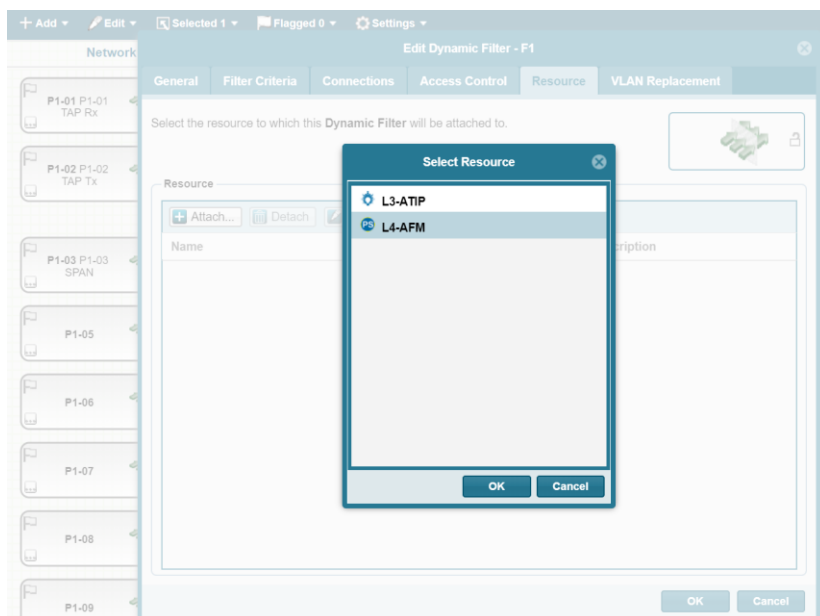
Match All (AND) Match Any (OR)

Field	Values
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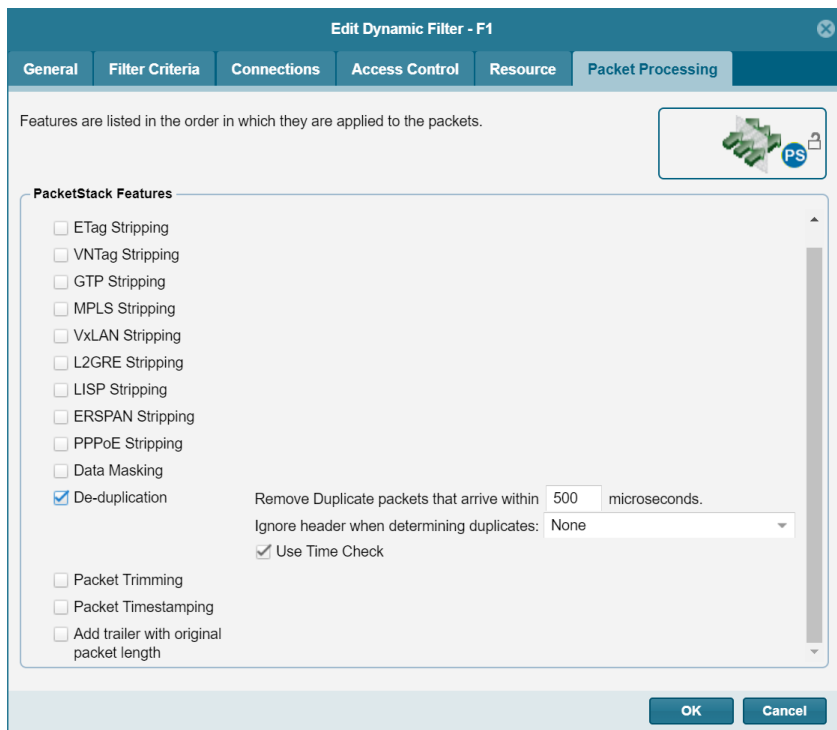
SNMP tag:

Traffic De-Duplication

9. Right click the Dynamic Filter and select Resources and assign an AFM resource



10. Right click the Dynamic Filter and select Packet Processing, then check the De-Duplication box





Certification Checklist for RSA Security Analytics

Date Tested: March 30 2018

Certification Environment		
Product Name	Version Information	Operating System
RSA Security Analytics	10.5.0.1	Virtual Appliance
Ixia Vision ONE	Server software 4.7.4	Linux

Security Analytics Test Cases	Result
Packet Loss	
Syslog TCP data consumed by the SA Log Decoder	<input checked="" type="checkbox"/>
Syslog UDP data consumed by the SA Log Decoder	<input checked="" type="checkbox"/>
Various packet data consumed by the SA Packet Decoder	<input checked="" type="checkbox"/>
De-duplication	
Replaying data files to the SA Packet Decoder	<input checked="" type="checkbox"/>
Traffic Mapping	
Mapping network service ports to dedicated ports	<input checked="" type="checkbox"/>
Performance	
SA Log Decoder minimal EPS performance	<input checked="" type="checkbox"/>
SA Packet Decoder minimal EPS performance	<input checked="" type="checkbox"/>

✓ = Pass ✗ = Fail N/A = Non-Available Function

