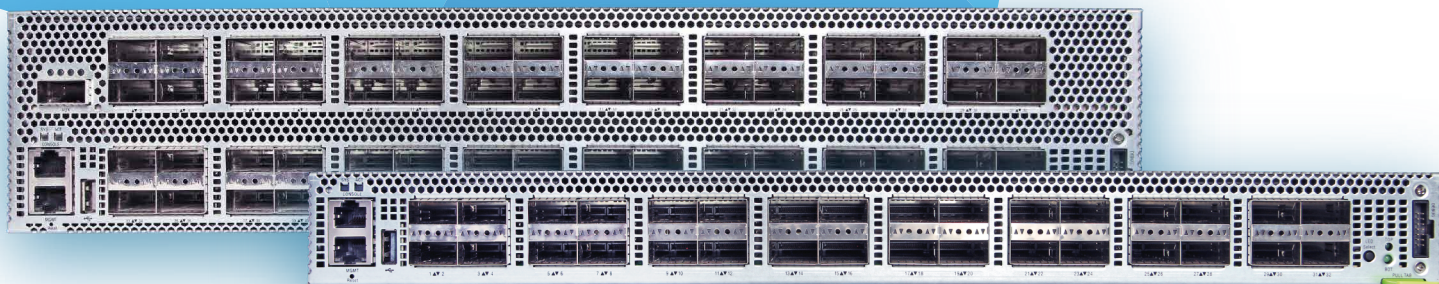


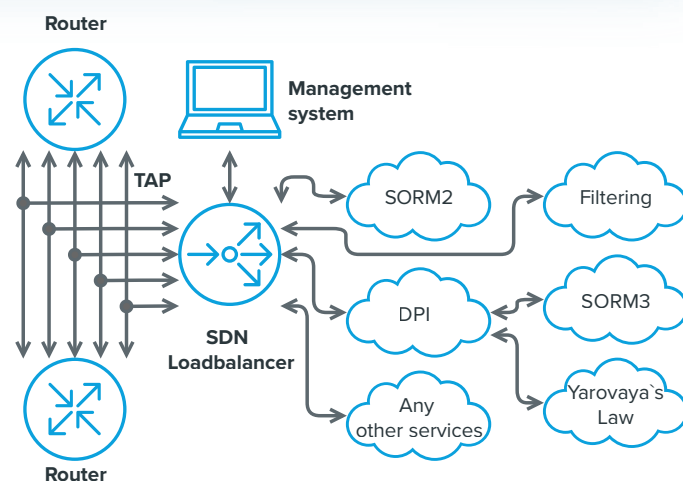
EcoTap

pre-filtering, modification, distribution and transmission of traffic at terabit speeds



The solution on the “traffic copy” allows from one point of presence to carry out:

- DPI analysis for the needs of operational-search measures;
- URL filtering;
- Provide opportunities for long-term storage of traffic metadata;
- Provide opportunities for redirecting information flows regarding AntiDDoS solutions;
- Any other traffic analysis with third-party services.



EcoSwitch Series

1020

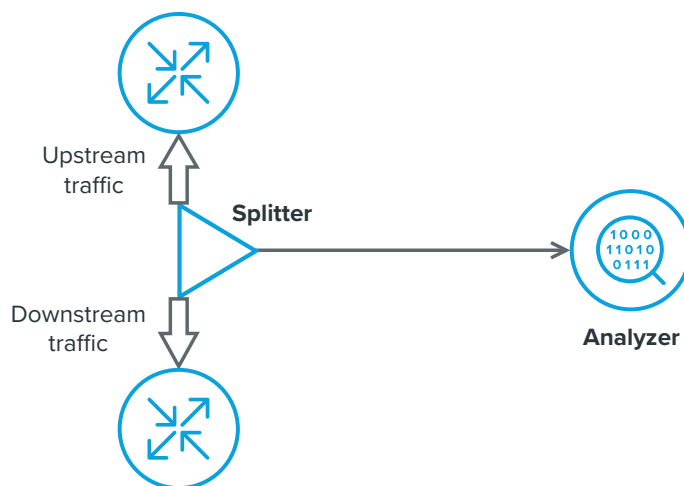
1032

2065

Throughput	Up to 2.8 Tbps	Up to 3.2 Tbps	Up to 6.4 Tbps
Forwarding capacity	Up to 2.0 Bpps	Up to 4.7 Bpps	Up to 9.5 Bpps
Standard 19" rack mount	1U		2U
QSFP28 transceivers cages	8	32	65
SFP28 transceivers cages	48	-	-
Packet buffer	22 MB		
System memory	8GB DDR4		
SD/CF memory	SSD 8-120 GB	SSD 120 GB	
CPU	Intel Xeon D-1527	Intel Pentium D	
Serial console	1 x RJ-45		
Management port	1 x 1000BASE-T		
Redundant power supply	2 x 550W	2 x 600W	2 x 1,100W
Typical consumption with all active ports	504W	476W	1024W
Hot-swappable fans	4	5	10
Operating temperature	0 °C .. 40 °C		
Storage temperature	-40 °C .. 70 °C		
Operating humidity	5 % to 95 % non-condensing		
Operating altitude	0 to 10,000 feet		
Weight	9,5 kg	10.0 kg	14.3 kg

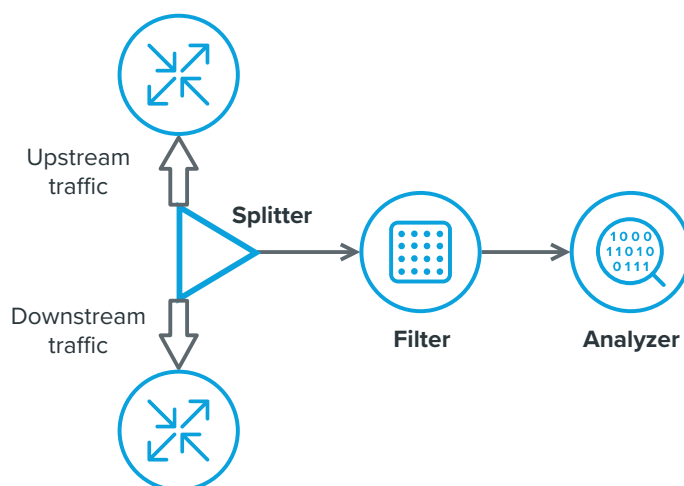
What is pre-filter for?

- A passive optical splitter is installed on the link between two devices of the Operator, which transmits a copy of the traffic from this link to the analyzer;
- Depending on the task being solved by the analyzer, only Upstream traffic, only Downstream traffic or traffic of two directions simultaneously can be transmitted to it;
- The traffic analyzer should have sufficient performance in order to isolate from all traffic coming to it only one that requires further processing or analysis;
- With increasing traffic, the Operator is forced to install more and more expensive analyzers to cope with the growing load.



Using pre-filtering

- To reduce the load on the analyzer, it is necessary to install a filter in front of the analyzer, which will discard the traffic that is not interesting to it;
- Routers are sometimes used as prefilters, comparable in performance with those whose traffic from the link is removed for analysis;
- Sometimes, dedicated servers are placed in front of the analyzer that are comparable in performance with the analyzers themselves, but whose task is exclusively to filter out “excess” traffic;
- EcoTap solution by RDP company allows you to effectively solve the problem of traffic prefiltration.



EcoFilter sharing option

- Passive optical splitter removes all Upstream and Downstream traffic;
- EcoTap performs pre-filtering;
- EcoFilter analyzes the traffic coming to it to solve the following tasks:
 - URL-filtering of prohibited resources in the ILV registry;
 - Collection and uploading of Clickstream statistics;
 - Collection and upload of Quality of Experience (QoE) metrics.

