



# FlexVision TA TRAFFIC ANALYSER

### CHALLENGE

As traffic TCP/IP is growing more and more in the networks nowadays, is necessary to have the possibility of analyzing this traffic and quantifying how and where dataflow happen. These analyses help to justify and optimize eventual a great involved investment in the construction of network, initiating in the traffic engineering until the detailed agreement of the behavior. Understanding this behavior, the network engineers will be able to implement new IP services and new applications with total confidence.

The challenge is:

- Understand the traffic behavior knowing its content;
- Precociously detect traffics that run away from preset standards;
- Identify the origin of problems of traffics anomaly;
- Validate the impact of planned changes and not planned in the network;
- Prevent unnecessary costs in the WAN with upgrades of capacity.

### SOLUTION

FlexVision TA collects and analyzes the data received from compatible equipment with the Netflow Cisco protocol.

Analyzing these datas:

- Identify the root causes of congestions in the network;
- Measure the consumption in links analyzed for each application/user;
- Analyze the data without the necessity of additional probes in the network segments;
- Identify all links and affected servers, thus the problems could be contained and be repaired quickly;
- Determine the best CoS (Class of service) for each application;
- Identify the traffic profile of links with AS (Autonomous System) where can be detected the routes most used, identifying the provider that traffic is originated, making possible the best planning of BGP4 routes.

### BENEFITS

- Detection problems of applications and its resolution;
- Easy identification of applications that do intensive use of links;
- Monitoring tendency of behavior of applications;
- Identification of the root cause of congestion of links and applications;
- Visibility of the ISP used and the origin of the AS traffics.

## Capacity planning of links Resolution faster of problems!

- Visualization of alarms and reports of any network interface;
- Visualization of consumption of the band of WAN for the applications and hosts isolating and solving the problems;
- Provide alerts of possible anomalies in the network traffic;
- Enable fast identification, notification and correction of the problem in each network or affected server;
- Identification of the moment where the performance of the network starts to degrade.

## Optimize your network infrastructure improving the applications performance:

- Implement a effective load and programmed in your network with CoS (class of service) policies instead of making upgrades expensive in links existing, based on statistics that show which are the applications that are consuming resources of the network, who is using and when;
- Provide tendency analysis of the applications consumption, hosts and conversations for service class;
- Determine appropriately the classification of applications, with visibility of as the traffic is being prioritized;
- Validate the changes in the QoS configurations executed in the network.

## Which the problems that can be resolved?

One of the main problems in a network management is know its traffic effectively. Consideration about network capacity, affects decisions of investments (upgrades), politics, use and consequently the business as a whole.

FlexVision TA brings detailed information about standard of network use, analyzing the traffic, offering datas for capacity planning, helping in decision-making. With the traffic detailing of a specific application, of users, ports, the network administrators will be able to determine the source of the peaks and overloads in the network, monitoring of proactive form, controlling and making decisions based on the information provided by the system.

## Flexible protection of investment

As practiced by FlexVision, the basic modules are part of framework main, in other words, the acquired module uses of all intelligence of framework without additional cost.

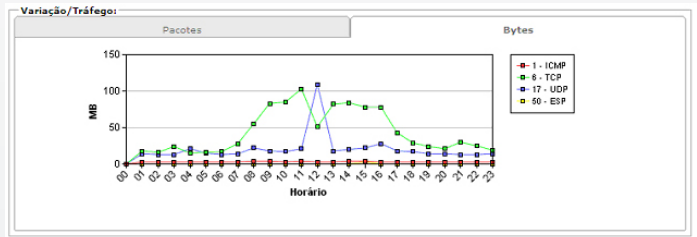
- SLA of availability;
- Capacity Planning;
- Inventory;
- Reports;
- Includes performance monitoring, alarms console, business mapping, etc;
- Management reports of business units.

## Helping you keep the advantages:

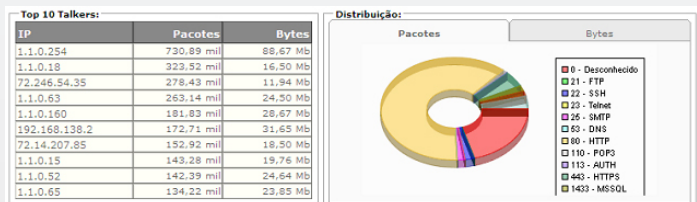
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## Conclusion:

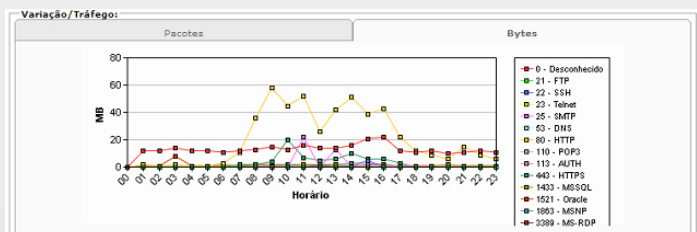
Through these monitored details and advanced reports of management, FlexVision Traffic Analyser is indispensable to keep the service level and guarantee high availability in operational environment.



Detailing of traffic the level of protocol TCP/IP



Identification of users TOP Talker of link



Detailing of traffic of each door TCP identified in link

Entrada/Saída	Ligação rede corporativa (Ligação rede corporativa)	Ligação com firewall (Ligação com firewall)
Ligação rede corporativa (Ligação rede corporativa)	1,41 Mb	1,53 Gb
Ligação com firewall (Ligação com firewall)	5,99 Gb	0

Matrix of traffic between the managed interfaces

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