

NETWORK MONITORING

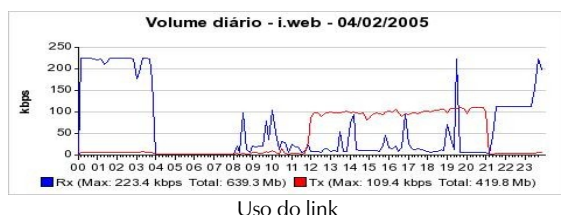
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Total Security

Although there is no such thing, a permanent monitoring allows us to obtain a higher level of security, but to achieve that, some tools are necessary to monitor machines, systems, and links performance as well as all devices susceptible to failures, manipulations, and unauthorized access.

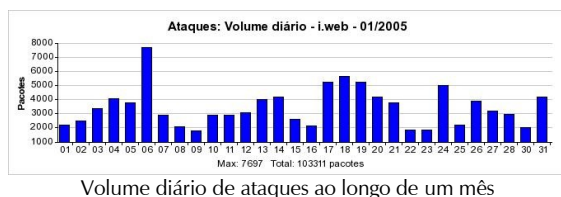
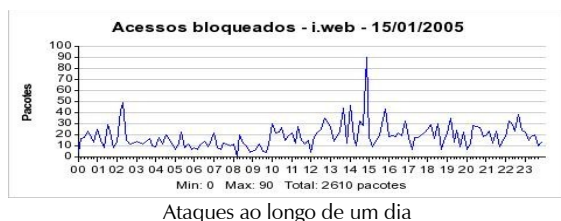
Collecting data is the first step of this monitoring process, nevertheless the transformation of data in real (and useful) information, in general, requires some mathematical manipulation of the collected data, such as statistical processing, comparison with historical data and its presentation in such a way that an IT professional can analyse it.

Graphical tools for representing data and results are fundamental to synthesize the volume of information and make analysis easier.



Monitoring the network

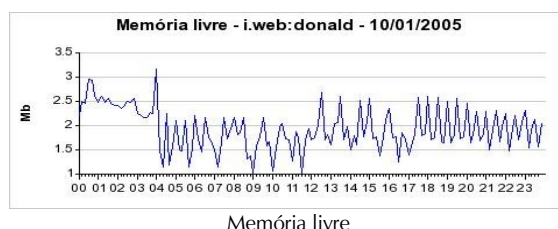
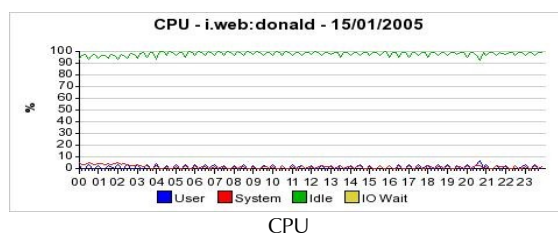
Link monitoring allows us not only analyse traffic, but also identify many usage characteristics, such as peak times, application and user profiles. But "link usage" hides some additional information, such as the daily attacks volume to the network.



The charts above show that the attack volume to corporate networks is considerably high and permanent.

Server monitoring

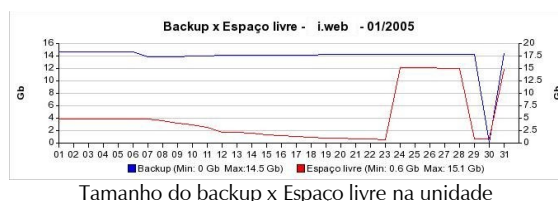
Errors in servers and broadband capacity planning appear to be the main problems in IT infrastructure.



Machine and system monitoring allows us to go beyond the reactive function, providing us enough information to a long term planning for hardware and software upgrades, minimizing infrastructure bottlenecks.

Backups

Backup monitoring is useful not only as a verification tools, it is a valuable instrument, providing information for upgrade planning and backup technology selection.



Conclusion

Despite the fact there is no "total security", the permanent resource monitoring is a fundamental tool for corporate infrastructure integrity.

Obs: All the charts shown in this article has been generated by i.web iM tool, which collects, processes and plots charts in real time.

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