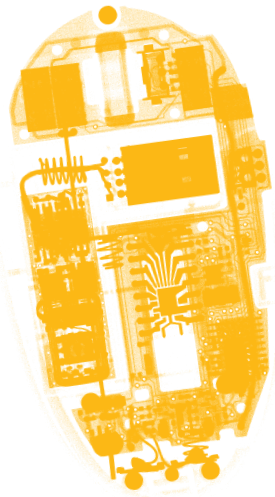
TRANSPARENT TECHNOLOGY

I.M.E
INTEGRATED MONITORING ENVIRONMENT
SUITE FOR MANAGING NETWORK EQUIPMENT AND SERVICES



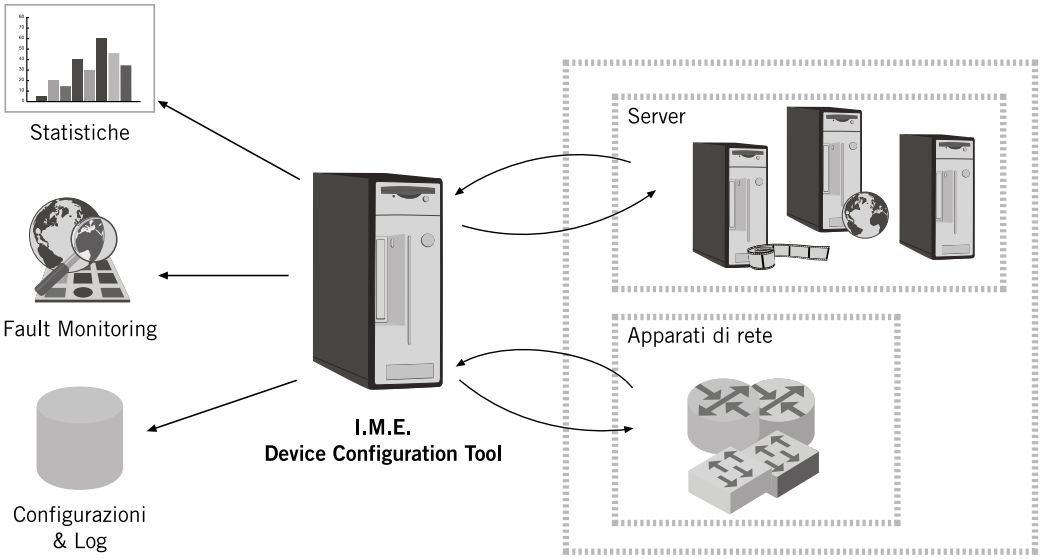
This is an application designed for managing network equipment. Exploiting the potential of SNMP – simple network management protocol – and using Open Source programming languages, PHP, PERL, JAVA… we have created a software environment that integrates all the tools needed to manage network equipment and services.
This solution makes it possible to automatise a series of ordinary management operations that are usually performed manually by network operators, such as backing up configurations, archiving logs and analysing performance.

WHAT IT DOES

The market demands complex services and increasingly fast, extended, reliable networks. In order to limit and prevent malfunctions and glitches and reduce intervention time, it is necessary to integrate various tools into a centralised management service which monitors performance and the functioning of the network and relative services.

I.M.E. enables users to:
- monitor the performance of equipment and services by means of SNMP protocol;
- perform various management activities remotely;
- monitor the functioning of equipment and services in real time, with notification of malfunctions;
- carry out ordinary and extraordinary management operations, such as regular backups of equipment configurations and log management.

Diagram of Device Configuration Tool (previous one confirmed)



NEW FEATURES

CSP research has contributed to product development with the creation of new features for I.M.E., in particular:

Implementation of an OpenSource fault monitoring platform

This platform performs regular monitoring of equipment and services, with notification of malfunctions or glitches via email or text message;

Development of Network Device Auditing - N.D.A.

This application offers a simplified web-based system for managing inventories of network equipment. It is based on a customisation of OpenAudit, and enables users to inventory network equipment, list their characteristics and export the data in formats such as PDF and Excel, creating independent subsites for each company division;

Integration of the Log Event Correlator - L.E.C

This tool generates events such as alarms and automatic configurations in response to receiving specific syslog entries. CSP has customised the web-based front-end, simplifying the definition of the rules;

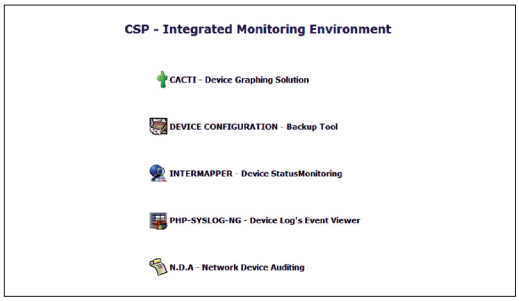
Integration of new Cacti plugins and templates

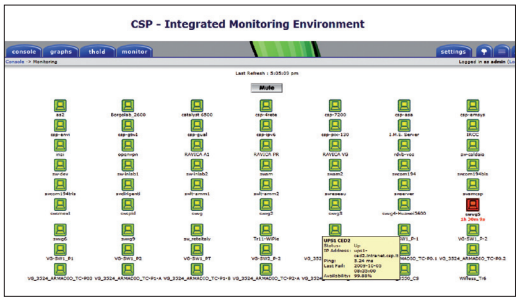
These tools are used to perform accounting functions for voip telephone services integrated with new management, administration and debugging functions that can be managed through a graphic interface;

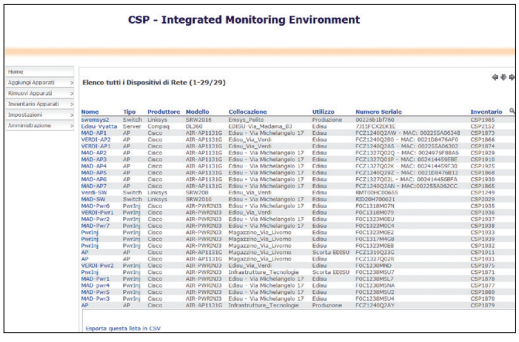
Monitoring for environments

I.M.E. has been optimised to monitor WiFi systems, using SNMP protocol.

All the functions can be accessed from a simplified graphic interface that acts as a unified, centralised point of access to all the operations required in the context of Internetworking.
Thanks to its high scalability, and based mainly on Open Source technology, I.M.E is a suite of independent applications, enabling each individual module to be fully customised, with no restrictions connected to specific technologies.







Main screenview
Screenview of monitoring with alarm notification
Screenview of inventory management (N.D.A.)

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