Bringing network engineering back to Network Engineers!

ƐNIRA: Intelligent Network Services Platform

ƐNIRA Quick Facts:

- *No clients. No agents. Does not sit in-line.*
- *Leverages your existing network technologies.*
- *Multi-vendor/technology support.*
- *Respond, Configure, and Deploy simply with a mouse click*
- *Quick and easy deployment and management.*
- *Detailed, Enterprise strength user account control*
- *Appliance architecture and robust web interface enable accessibility from anywhere in your network (hardened OS kernel, 256-bit encryption, listens only to SSL)*

Today's Network Engineers find that they spend too much of their time on network administration tasks rather than network engineering. ENIRA's *Intelligent Network Services Platform* changes that equation, delivering on all aspects of network infrastructure management – implementing the technology solution and the process solution.

ENIRA was designed <u>by</u> network engineers <u>for</u> network engineers. The first time network engineers use ENIRA they recognize the solution as a go-to-engineer with all the necessary knowledge to manage administrative tasks, 24/7/365, tasks.

ENIRA offers a completely vendor agnostic platform, which unifies the interface to all infrastructure. Based on the "*Intelligent Network Services Platform*" (INSP) ENIRA consists of three major building blocks for mission critical network tasks. ENIRA's INSP uses advanced intelligence to deliver the

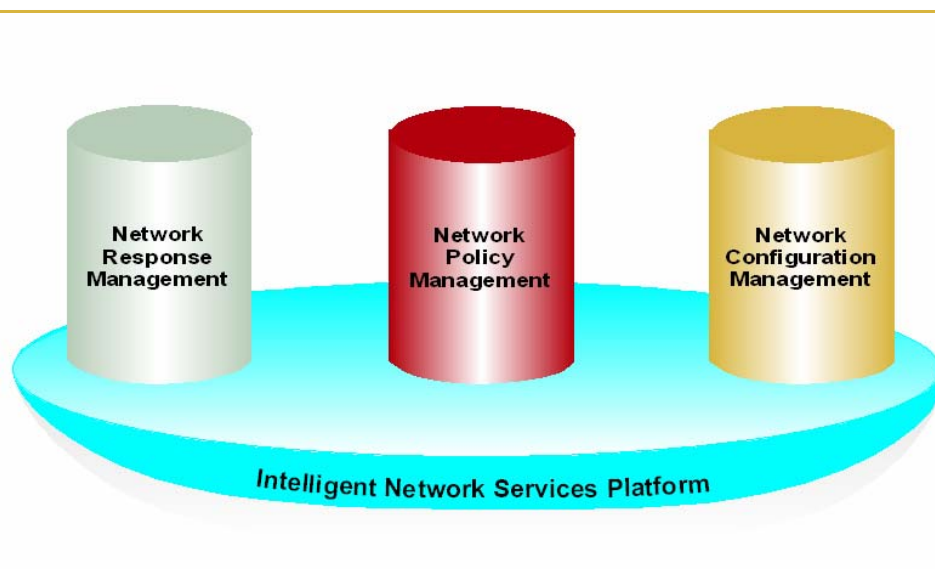functionality you expect from state-of-the-art technology:

- Network Response Management (NRM)
- Network Configuration Management (NCM)
- Network Policy Management (NPM)

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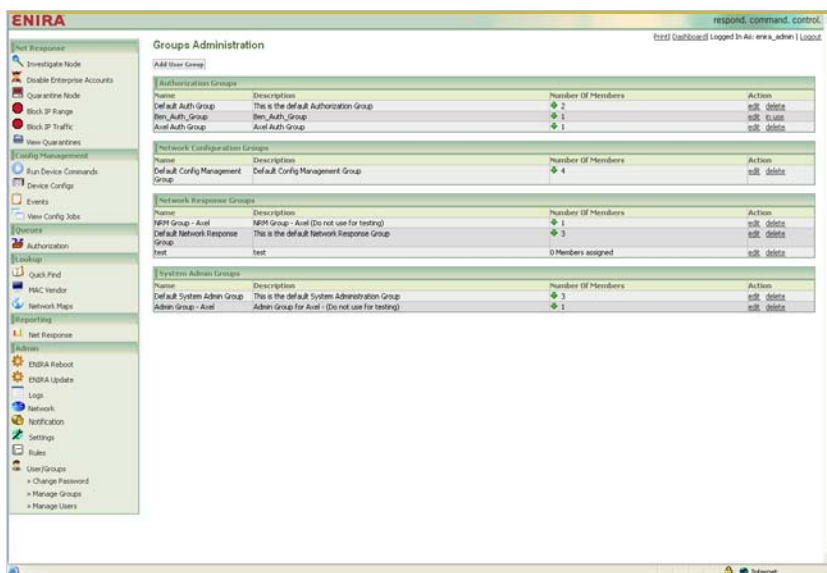## **One System - Different Users - All Your Infrastructure**

ENIRA is a vendor agnostic system that works with all infrastructure technologies (switches, routers, firewalls, VPN servers). It also allows access to everybody in your organization in accordance to their rights.

At ENIRA, we know that responsibilities are distributed within your corporation. Several layers of support teams, separated between security operation and network management, exist and may have location-dependent rights. The ENIRA user account control takes all of this under consideration. You easily define task groups within each module, controlling and restricting access rights in accordance to job tasks. Every member of your team can now individually be associated with one or more task groups, allowing him to use ENIRA within his job description.

This granular detail of user rights helps you to be more effective and maintain control. For example, Level 1 support

Network Response Management · Network Policy Management · Network Configuration Management · Intelligent Network Services Platform

might only be allowed to suggest response actions, configuration or policy changes,

but may not be allowed to execute them – in this case users would have account settings that require authorization from higher levels of support teams. Some users might only be allowed to work in certain parts of the network while others have total network control (detailed user rights settings are described fully in each datasheet for the individual modules).

ENIRA understands the frustration that exists today when dealing with your network infrastructure – point tools and nice solutions create work instead of solving the problem. Today's very complex and decentralized network operations require a highly intelligent turnkey-solution. ENIRA's INSP makes a heterogeneous network infrastructure homogenous.

Network Response System

There is no shortage of Prevention and Detection technology (IDS, IPS, SIMS, Antivirus).   What is missing is technology that supports your Incident Response Plan (see separate ENIRA White Paper).

Incident Response requires a multi dimensional approach that addresses

several challenges:

- Corporate Process
- Company Communication
- Technology
- Compliance
- Audit

While today's manual process could meet all of these challenges, but in reality it is not a practical approach. Your top priority in case of a compromise is driven by the need for fast response.

ENIRA has taken all requirements and put them into a technology solution, answering every single one of the above challenges. Regardless if you have one incident or many, ENIRA's response is only seconds away.

ENIRA builds a bridge between Network Security and Network Operations. Several technical features (Open Integration Module, Syslog Interface, or Soap/XML) allow you to integrate into existing or upcoming security technologies. These devices become users of ENIRA and you control their reach with ENIRA's detailed user rights. Quarantining nodes and traffic is as easy as the reversal of these actions. Deny and Quarantine rules help you to either prevent accidental shutdown or implement predetermined quarantining action.

ENIRA's powerful Threat and Disaster Level support allows you to store alternative network configurations and policies under an unlimited number of user definable labels. Alternative scenarios are only a mouse click away, when needed. The disaster recovery exercise is reduced to a few seconds versus days.

Network Configuration Management

ENIRA's Network Configuration

Management provides the easy platform to administer all your network infrastructure and reduce errors in the tedious configuration process:

- Configure individual or groups of devices
- Check devices against your default policies and configurations
- Backup and restore any device within seconds
- Check for changes from previous configurations with one mouse click
- Use ENIRA's Wizards to guide you through the configuration process
- Deploy one-time and recurring task with ENIRA's task cue manager
- ENIRA's workflow management ensures a controlled configuration process

ENIRA understands that certain parts of your configurations should not be available to every user. User rights settings easily allow you to filter out information that users should not see, while it still allows them to have access to parts of the configuration that would be required to efficiently work on their tasks.

ENIRA monitor your environment, and if anybody accesses the infrastructure and makes changes, ENIRA's notification queue immediately alarms the right personnel.

Network Policy Management

Traditional Network Configuration basically allows access to individual devices and their interfaces. Network Policy Management takes it one step further and allows you to take a look at the network as a whole:

- Define policy effecting end-to-end communication
- Analyze existing configuration and optimize it

- Find outdated configuration and suggest removal
- Build in workflow and approval control

End-to-end policy answers a complex challenge in your network. Department A has to talk to the new servers in location Z. Many interfaces and heterogeneous technologies can be touched in this pathway. ENIRA automatically identifies all involved interfaces and technologies and will write the respective ACLs, Filters, and Rules for each of the interfaces involved.

ENIRA's workflow and approval process can push your new policy into the authorization queue, and notify everybody on your team that they should review the new suggested policy. A detail button will show you the engineering details you have been accustomed to, individuals can even edit ENIRA's suggestions and finally approve the action. This can be done together in a conference room, or through email exchange. In either case, changes are made in a fraction of the time, and you can be assured that ENIRA checked all corporate policies for you. Shortly you will trust that ENIRA's suggestions are the policies you would have implemented.

Easy User Interface

Because ENIRA's user interface was not designed by product managers or left to software engineers who didn't know anything about network management, it is intuitive based on your needs. At every single step of the way you will be thinking: "*that's how I would have done it*". Herein lies one of the strengths of ENIRA.

Definable Migration Path

Trusting "The System" is a major consideration whenever technology is trying to replace the manual process you have been using for years. That's why ENIRA givea you 100% control and influence over how much you want ENIRA

to do for you. At the minimum, ENIRA can be your central, intelligent knowledge base and interface. Use the simulate features and still implement your own commands; use and modify ENIRA's suggestions or simply execute what ENIRA recommended. ENIRA helps you to get back to network engineering— designing and architecting your network rather than to administering it.

Extensive Reporting

Nothing escapes ENIRA, not even tasks such as changing passwords. Every action within ENIRA, as well as any interaction with the network infrastructure, is recorded and available at any time for detailed reports. You can either get quick graphical reports, tables, or CSV outputs. In any case, the reports to corporate management are just a mouse click away. ENIRA has all the answers your auditors are looking for – no matter what federal regulations you have to observe (Sarbanes-Oxley, HIPPA, FERC etc.)

The Power of Non-SNMP Based Technology

Many network engineers have over the years experienced the limitations of SNMP network management and discovery. ENIRA's development team has had the same experiences, which is why the solutions talk to the infrastructure in native mode. You use TACACS/Radius with SSH – so does ENIRA. You use Telnet – so can ENIRA. Whatever ENIRA's access method is, you will find that we do the same thing. ENIRA's network topology understanding is based on your real

configurations in the network, not a tweaked discovery procedure, that is more often wrong than right. ENIRA's comprehensive 3D network topology map accurately shows you the architecture of your network. And best of all you after a simple and short installation process, the correct network architecture map is instantaneously available.

Integrate with 802.1x Access Control

Integrate with your 802.1x server and reconfigure switch ports and routers dynamically to support any variety of network access and user rights. You don't have to rely on static assignments and lengthy re-configuration procedures. You can define layer 2 and 3 policies for individual users and individual stations.

The Logical Choice

ENIRA eliminates mundane tasks and lets you leverage your capabilities in the more interesting field of networking. ENIRA understands that you have to trust us, just like any new colleague. ENIRA's seamless migration path allows you to give more and more responsibilities to ENIRA.

In the end you will be glad you made the switch, no more pesky reports, no more mistakes by junior engineers or the help desk, no more 3:00 AM wakeup calls.

Save time, money and headaches!

Let ENIRA work for you!