



“Configuration is at the heart of network operations and directly affects network availability and security. 60% of availability problems¹ and 95% of network vulnerabilities² can be directly attributed to configuration errors”

¹Yankee Group ²Lippis Report

For the Chief Information Officer:

- Corporate IT Policies Assessment
- Sarbanes-Oxley Assessment
- ITIL Assessment
- HIPAA Assessment

For the Chief Security Officer:

- Industry Best Practices Assessment
- Vendor Security Advisory Vulnerability Assessment

For Network Operations:

- Automated Command & Control
- Release Management
- Change Control
- Image Standardization and Audit
- Automated Version Control
- Disaster Recovery
- Automated Rollback
- Vulnerability Assessment
- Anomaly Detection
- Vulnerability Mitigation
- Infrastructure Audit
- Automated Inventory
- Asset Re-allocation Advisor

ConfigCommander™

nSolutions offers a suite of automated services for network operators that leverage the unique capabilities of its NOVA™ Appliance to deliver effective operational control and a proactive approach to corporate and regulatory compliance.

The ConfigCommander™ application is an intuitive, web-based command and control application that simplifies administration and is used to extract relevant, real-time information from the network ontology, enabling accurate corporate audits, compliance and vulnerability assessments. The network ontology is simultaneously leveraged to deliver a comprehensive set of network operations features such as network configuration and change management, security, asset classification and automated compliance audits.

A NETWORK ONTOLOGY LEVERAGING A SECURE CONFIGURATION INTEGRITY REPOSITORY

nSolutions' Network Ontology and Virtualization Appliance (NOVA) creates a secure, real-time and dynamic configuration repository using its automated or on-demand discovery process. The NOVA repository maintains detailed, device specific configuration information and intelligently correlates independent records to extract critical interdependencies overlooked by other configuration management solutions. Intelligent syntax checking and streamlined release management functions such as rollback, versioning and change control eliminate inadvertent misconfigurations saving hundreds of thousands of dollars on expensive network outages and IT support services.

MANAGING CHANGE WITH CONFIGURATION INTEGRITY

Configuration Integrity is the ability to leverage the network ontology to manage the critical inter-relationships among network devices and the network services those devices support. Configuration Integrity ensures that the network is secured against changes that would impact the network services that rely on interrelated network devices across the enterprise infrastructure. Configuration Integrity enables higher availability of network services, reduced operational costs, greater IT compliance and accountability and reduces network vulnerability.

REAL-TIME INTERNAL & REGULATORY POLICY VERIFICATION

Businesses today must diligently manage their critical network infrastructure and define policies that must be observed and documented or face potential corporate liability resulting from internal misuse and abuse. NOVA ensures that policies are not disregarded during on-the-fly configuration changes and provides real-time identification of device configurations that are not in compliance.

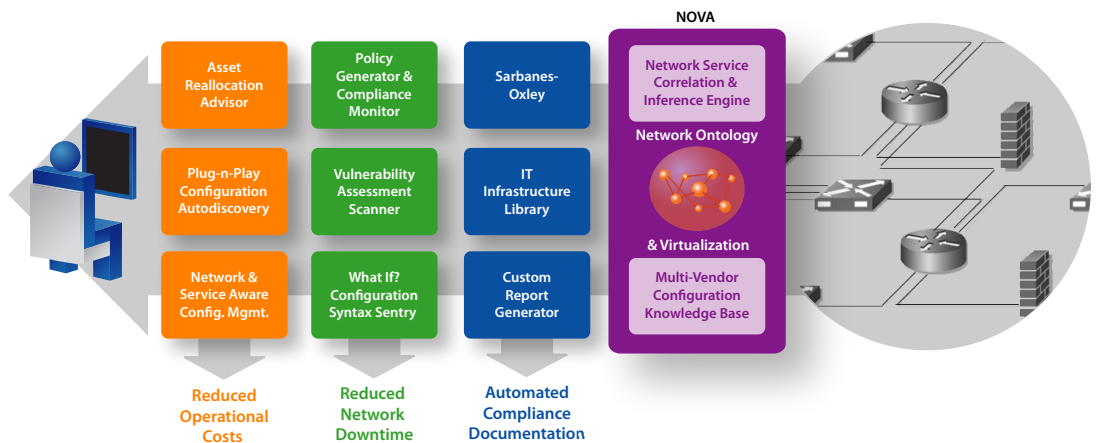
MULT-VENDOR SECURITY ADVISORY IMPACT ASSESSMENT

A critical, device specific, release specific, port specific, protocol specific security patch is released. Are you vulnerable? If so, how would an exploitation of this vulnerability affect your network? Your business? NOVA leverages its state-of-the-art technology to identify at risk devices and correlate business services that rely on those devices. With this immediate and unprecedented information, network administrators have information and time to proactively respond to the potential threats.

PROCESS AUTOMATION AND ENTERPRISE WORKFLOW INTEGRATION

NOVA directly integrates with popular enterprise trouble ticketing and management platforms. A highly scalable appliance platform and standards-based XML/RPC programming interfaces and proactive controls enable seamless integration with enterprise workflow and best practices. Configuration integrity metrics and report statistics are provided by an embedded report generator or can be mined and processed externally through scripts and direct exposure to the underlying data repository.

Figure 1- NOVA combines a highly scalable, secure configuration repository with state-of-the-art correlation and inference technology and a multi-vendor knowledge base to deliver a feature rich configuration, update and change management solution; differentiated by a suite of functional services leveraging its ability to derive critical interdependencies between devices and provide policy-based configuration integrity.



Feature Summary

Robust Configuration Repository

- Multi-vendor auto discovery
- Automated or on-demand
- Correlates interdependencies
- Maintains configuration integrity

Configuration Management

- Change management
- Patch & upgrade management
- Image management
- Configuration retrieval & generation
- Configuration policies
- Version control
- Real-time vulnerability assessment

High Availability

- External backup capabilities
- Network upgradeable
- Hot standby (E-100)

System Administration

- Web-based GUI
- User management
- System logging
- Standard CMDB formats
- Integration with AAA servers
- Integration with trouble ticketing and enterprise workflow processes

Reporting

- Real-time syntax analysis
- Configuration integrity metrics
- Vulnerability assessment reports
- Policy compliance reports
- Data exporting
- Sarbanes Oxley

Hardware Specifications

Product	M-100	E-100
No. of network devices supported	Up to 50 devices	1000+ devices
Dimensions	1u 17"x14"x1.625"	2u 22"x17"x3.5"
CPU	3GHz P4	3GHz P4
Memory	1GB	2GB
Disk Capacity	80GB	750GB
Network Interfaces	2-1Gbps copper	2-1Gbps copper
Power	110-240VAC;260W	110-240VAC; 2X460W
Operating Environment	40°F - 105°F < 90% RH	40°F - 105°F < 90% RH

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Part Number: DS001-0508-V001

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