



**NOVA**

# **Nova Network Security**

Intrusion Detection

Network Snooping Prevention

Suspicious Activity Notification

**DATASOFT CORPORATION**

1275 WEST WASHINGTON STREET, SUITE 106, TEMPE, ARIZONA 85281

[INFO@DATASOFT.COM](mailto:INFO@DATASOFT.COM)

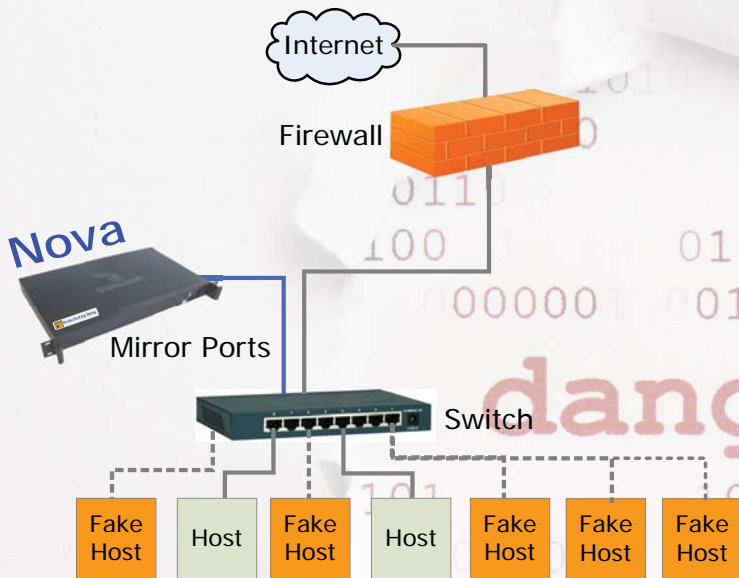
[WWW.NOVANETWORKSECURITY.COM](http://WWW.NOVANETWORKSECURITY.COM)

(480) 763-5777

# Nova Overview

Nova is a cyber-defense product for network security that thwarts attempts by attackers to gain information about a private network.

Nova detects and prevents this snooping by setting up a large net of realistic virtualized decoys. When attackers search for real machines, it's as if they're trying to find a needle in a haystack. Meanwhile, Nova identifies the attackers by their inevitable suspicious activity in communicating with the decoys. It notifies the network administrators of the suspicious activity and provides them with a situation awareness view of their network.



## Benefits

- Limits the effects of internal and external cyber attacks by detecting suspicious activity, providing false data to attackers, and alerting network administrators of critical issues
- Prevents hostile attackers from performing reconnaissance on private networks
- Improves situation awareness across networks
- Useful for training cyber teams in detecting and containing network intrusions

## Capabilities

- Defeats hostile reconnaissance with deception
- Uses machine learning to automatically classify suspects without exploitable signature databases
- Complements and works well with existing intrusion detection systems
- Provides an easy-to-use web interface for viewing status and configuration
- Generates automated email alerts and rsyslog messages to a dashboard system when a hostile entity is discovered

Feature	Description	Mechanism
<b>Obfuscate</b>	Provides false data to attacker	Haystack, Doppelgangers
<b>Detect</b>	Finds network-based reconnaissance	Haystack, Classification Engine
<b>Minimize False Positives</b>	Legitimate requests receive real data	Haystack
<b>Deny</b>	Protects real network data	Doppelgangers
<b>Deceive</b>	Protections look real to attacker	Honeyd
<b>Notify</b>	Real-time alerts to security administrator	Web/Syslog/Email Notifications





The Nova appliance is a rack-mounted server with pre-configured Nova software. Since it is delivered ready to use, all you need to do is plug it into your network, follow a short start-up wizard, and Nova will instantly begin to detect issues and protect your vital information. Combined with enterprise-level support, the Nova cyber security system couldn't be easier to use.

***Nova Appliance Options:***

	<b><i>Basic Appliance 1 Ethernet Port SWN1UA</i></b>	<b><i>Industrial Appliance 2 Ethernet Ports SWN1U2</i></b>	<b><i>Industrial Appliance 8 Ethernet ports SWN1U8</i></b>
Ideal for:	For small networks (20-30 nodes) with light traffic	Most Class C business networks	Up to 8 separate LANs in one location
Operating System	Linux 64-bit	Linux 64-bit	Linux 64-bit
Processor	Intel Dual Core 2.6 GHz, Celeron	Intel Dual Core 3 GHz	Intel Dual Core 3 GHz
Hard Drive	250 GB, SATA 6 Gb/s	Dual 250 GB, SATA 6 Gb/s	Dual 250 GB, SATA 6 Gb/s
Memory	1 GB SDRAM	4 GB SDRAM	4 GB SDRAM
Ethernet Ports	1 Gigabit LAN Port	2 x Gigabit LAN Ports	8 x Gigabit LAN Ports
Dimensions	19" x 14" x 1.7" (1U / half-depth)	19" x 14" x 1.7" (1U / half-depth)	19" x 14" x 1.7" (1U / half-depth)
Power Supply	200W	200W	200W High-Efficiency



The Nova cyber security appliance is a turn-key anti-reconnaissance tool with both web-based and Android-based monitoring systems.

**Contact DataSoft to improve the security of your network**

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