

nGeniusONE Server

Pre-integration of nGeniusONE Unified Performance Management Platform Software with Server Hardware to Accelerate and Simplify Deployment

Highlights

- Integrated and pre-configured hardware and software solution for the nGeniusONE platform
- Simplifies and speeds deployment with out-of-the-box implementation
- Specialized hardened and secure Linux operating system optimized for scale and high performance
- Integrated remote management functions such as remote power off and on or crashed system recovery
- Provides a single-vendor solution with integrated hardware, operating system and the nGeniusONE platform software



Product Overview

nGeniusONE™ Server is an optimized server hardware platform that is pre-integrated and configured with the nGeniusONE Unified Performance Management platform software. The nGeniusONE Server is a high-performance and a highly secure platform that enables the rapid and secure deployment of the nGeniusONE platform. NetScout integration of the nGeniusONE platform software with the server hardware provides a simplified solution that is available in two configuration options that offer flexibility and choice in server hardware capacity, enabling enterprises to right size server capacity to scale performance requirements. The pre-installed integrated solution enables IT to assure optimal performance organizations and accelerate deployment for the nGeniusONE operating environment. The nGeniusONE server includes direct technical support from NetScout's best-in-class support teams with 24x7 support services available under a single maintenance contract that minimizes the total cost of ownership of the nGeniusONE platform.

Product Capabilities

- Up to dual quad-core CPU, with 64 GB of memory with up to 10 TB of local storage
- Flexible configuration options enables flexibility with varying performance capabilities
- Customized, hardened and secure Red Hat® Enterprise Linux® Server 6.x 64-bit platform
- Remote management capabilities supports lights-out management and improves manageability

Integrated Hardware and Software Simplify the nGeniusONE Platform Rollout and Deployment

The nGeniusONE hardware server and software solution simplifies the deployment process by providing everything needed in a single pre-configured, pre-licensed solution. The factory pre-integrated hardware and software minimizes the tasks typically associated with installation, configuration and maintenance, and significantly reduces time required to deploy the nGeniusONE platform. Two server hardware configurations are available:

- nGeniusONE Server featuring a dual six-core processor with 32 GB internal memory, 3 TB of hard disk capacity
- nGeniusONE Server Enhanced Capacity featuring a dual quad-core processor with 64GB of internal memory and 10 TB of hard disk capacity

Secured Environment Protects Packet Flow and Performance Management Data

nGeniusONE Server runs on a customized hardened and secure version of Red Hat Enterprise Linux Server 6.x 64 bit. To further harden security, access to the system and the data is restricted to only essential TCP/UDP ports. To minimize installation time and provide an optimized and highly secure operating environment, all current and necessary patches, upgrades, services and applications are pre-installed on the server hardware and all unnecessary services are disabled.

Remote Management Enhances System Manageability

nGeniusONE Server offers integrated remote management access, crashed system recovery, and power control functions for the server hardware. Remote management helps IT administrators remotely access the server to perform essential management tasks. With powerful, easy-to-use, remote management and configuration capabilities, the management server's management software alerts IT administrators when an issue occurs and enables streamlined local and remote server management. The server can be powered off or powered on and reset remotely which reduces or eliminates the need for physical site visits. IT administrators can observe a server boot sequence in its entirety with a progress indicator from the system BIOS that indicates boot sequence stages from power up to reset and provides tracing information for boot-related errors.

A Single Point of Contact Streamlines Support

The combined nGeniusONE server and software solution simplifies support services. NetScout provides a single point of contact for all hardware, operating system, and nGeniusONE platform support which eliminates the need to maintain multiple vendors, licenses and service contracts. This reduces complexity, and helps the operations team save time and reduce integration testing.

| | nGeniusONE Server | nGeniusONE Server Enhanced Capacity |
|-----------------------|--|-------------------------------------|
| Operating System | Red Hat Enterprise Linux Server 6.X 64 bit | |
| Operating Environment | Secure hardened, embedded Linux operating system | |
| CPU | Dual Six-Core 2.0GHz | Dual Quad-Core 3.3GHz |
| Memory | 32 GB | 64 GB |
| Chassis Dimensions | 26.9"D x 17.5"W x 3.4"H (68.33cm x 44.45cm x 8.64cm) | |
| Rack Unit | 2 Server Rack Units (2 RU) | |
| Storage | 3 TB (6 x 500 GB, configured RAID 5) | 10 TB (5 x 2 TB, configured RAID 5) |
| Network Ports | Four 10/100/1000 BaseT ports | |
| Power | 750W AC 100–240VAC auto ranging, 50-60Hz 10A-5A Maximum 2891BTU/Hr | |
| Fans | Hot swappable six-fan assembly unit | |

Environment Specifications

| | |
|---------------------------------|--|
| Operating Temperature | 10° to 35°C (50° to 95°F) |
| Storage Temperature | -40° to 65°C (-40° to 149°F) |
| Operating Relative Humidity | 10% to 80% (non-condensing twmax=26C) |
| Storage Relative Humidity | 5% to 95% (non-condensing twmax=33C) |
| Operating Vibrations | 0.26G at 5Hz to 350Hz in all orientations |
| Storage Vibration | 1.87G at 10Hz to 500Hz for 15 minutes (all six sides tested) |
| Operating Shock | Half sine shock in all operational orientations of 31G +/- 5% with a pulse duration of 2.6ms +/- 10% |
| Storage Shock | Half sine shock on all six sides of 71G +/- 5% with a pulse duration of 2ms +/-10%; square wave shock on all six sides of 27G with velocity change at 235 in/sec or greater |
| Operating Altitude | -15.2 to 3,048m (-50ft to 10,000ft) |
| Storage Altitude | -15.2 to 12,000m (-50ft to 39,370ft) |
| Regulatory and Agency Approvals | FCC (US only) Class A, ICES (Canada) Class A, CE Mark (EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3), VCCI (Japan) Class A, BSMI (Taiwan) Class A, C-Tick (Australia/New Zealand) Class A, SABS (South Africa) Class A, CCC (China) Class A, MIC (Korea) Class A, UL 60950-1, CAN/CSA C22.2 No. 60950-1, EN 60950, IEC 60950-1 |

Notes:

- 1) nGeniusONE Server does not include a monitor.
- 2) Please refer to the nGeniusONE Unified Performance Management platform data sheet for software product description and key features.
- 3) The nGeniusONE platform software may also be purchased as a software-only solution supporting either Red Hat Enterprise Linux Server 5.x or 6.x 64 bit or Windows® 2008 R2 standard edition environments.



Americas East

310 Littleton Road
Westford, MA 01886-4105
Phone: 978-614-4000
Toll Free: 800-357-7666

Americas West

178 E. Tasman Drive
San Jose, CA 95134
Phone: 408-571-5000

Asia Pacific

17F/B
No. 167 Tun Hwa N. Road
Taipei 105, Taiwan
Phone: +886 2 2717 1999

Europe

One Canada Square
29th floor, Canary Wharf
London E14 5DY, United Kingdom
Phone: +44 207 712 1672

For more information, please visit
www.netscout.com or contact NetScout
at 800-309-4804 or +1 978-614-4000

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