Nemesis: The Future of Network Equipment Erasure and Testing

Summary

Nemesis is the most advanced system available for the secure erasure and factory reset of networking devices. Created by Ultratest — the engineering team behind Genesis, the industry-leading platform for HDD and SSD processing — Nemesis brings enterprise-grade automation, erasure compliance, and yield recovery to routers, switches, firewalls, and access points.

Built on Ultratest's robust cloud infrastructure, Nemesis is designed for ITADs, recyclers, refurbishers, and large enterprises seeking higher efficiency, better asset recovery, and full compliance with erasure standards.

Why Choose Nemesis?

- Built for Networking Devices: Engineered from the ground up to handle network infrastructure — not just storage devices.
- Push-to-Start Simplicity: Just connect the device and press start — Nemesis does the rest.
- Full Lifecycle Processing: Automates ID, secure erasure, OS repair, license retention, and hardware testing.
- Cloud-Connected: Updates, test logs, license backup/restore, and schedule control via the Ultratest Portal.
- ADISA-Certified Security: Certified to meet the highest erasure standards.

Key Features & Differentiators

- Single-Button Automation: Recognises and processes devices with minimal human input.
- Advanced Data Erasure: Secure overwrite methods exceed Clear and Format, supporting NIST SP 800-88 Purge & NCSC Enhanced Erase.
- VIP (Vendor Independent Purge): If the device lacks native wipe commands, Nemesis performs full overwrites of all accessible storage, including flash/NVRAM.
- OS & License Preservation: Backs up and reinstalls licences and OS configurations — even fixes corrupted firmware.
- Full Audit & Reporting: Logs, test results, and certificates are all available centrally via the cloud.
- No Tokens, No Limits: Unlimited use with flat monthly pricing.

- Cloud-Based Updates: New device support and software enhancements are delivered seamlessly.

Supported Devices

Nemesis currently supports 400+ models and is expanding. Examples include:

- Routers: Cisco ISR 1002, Juniper SRX1500.
- Switches: Dell N-Series N2000/N3000, HPE Aruba 2530.
- Firewalls: Cisco ASA 5505–5555.
- Access Points: Cisco AIR-CAP1500/2700/2800/3700/3800.

*Escalated support for new models is available on request.

Benefits

- Higher Yield: Recover devices previously deemed unusable.
- Lower Cost: Minimise manual handling and labour costs.
- Compliance: Full audit trails and certificate generation.
- Greater Intelligence: Central monitoring of throughput, yield, and test results.
- Sustainability: Enable circular economy workflows through secure reuse.

Use Cases

- ITAD & Recycling: Automate secure processing of networking gear at scale.
- Enterprise Asset Management: Decommission legacy network infrastructure with confidence.
- Refurbishers & Brokers: Validate product condition, maximise resale value.
- OEM Returns: Refurbish RMAs or overstock with full auditability.

Ultratest Cloud Portal

Manage all your Nemesis units, schedules, and reporting centrally:

- Cloud-based device and test history.
- Schedule design and deployment.
- Erasure certificates per device.
- Graphs, trends, and system utilisation reports.

Compliance & Certifications

- NIST SP 800-88 (Clear & Purge).
- NCSC Enhanced Erase (UK).

- ADISA Product Claims Test.
- Full audit trail for GDPR, HIPAA, ISO 27001, and others.

Comparison: Nemesis vs. Traditional Tools

Aspect	Nemesis	Traditional Tools
Automation	Fully automated, one-touch start	Manual, multi-step process
Data Erasure	Advanced overwrite + license/OS retention	Factory reset, limited data sanitization
Compliance	ADISA certified; NIST & NCSC compliant	Often lacks certification or verification
Audit Trail	Centralized reporting via cloud portal	Inconsistent or manual reporting
Device Recovery	Repairs OS, retains licenses	Fails with corrupt or missing OS
Processing Speed	High throughput with minimal user input	Slow, technician-dependent
Supported Devices	Growing library with new updates	Static, limited range of supported devices
Scalability	Cloud-managed, easy to expand	Difficult to scale due to manual processes

Conclusion

Nemesis isn't just a tool – it is a platform. It enables secure, efficient, and profitable processing of networking equipment through automation, intelligence, and compliance. Whether you're scaling ITAD services, managing enterprise assets, or looking to improve sustainability through reuse — Nemesis delivers.

Ultratest Nemesis
Fast. Secure. Refurbishment-Ready.