Patented. Proven. Powerful.
The Future of Human-Free Network Automation.

stella
STANDARDISE, CENTRALISE, AUTOMATE

Bright Star's Stella has been granted U.S. Patent No. 12,250,124 B2, securing its place as the global leader in automated network management.

This patent protects Stella's unique approach to automating network configuration in the correct sequence, ensuring updates, security patches, and critical changes occur seamlessly — without human error, downtime, or risk of equipment failure.

"Updating a whole network manually is a painstaking process — you either need to sit there and wait for each update to finish or risk losing access through misconfigurations. Stella automates all of that. It doesn't just apply updates; it ensures they happen in the right sequence, preventing costly downtime or network failures," said Dylan Carruthers, Global Director of Software at Bright Star.

"For managers of complex networks, we take away the human component in planning changes and upgrades. Instead of relying on an engineer's best guess, Stella figures out the right sequence and executes it flawlessly."

Dylan Carruthers

For businesses, this means lower costs, reduced operational risk, and increased efficiency, reinforcing Stella's competitive advantage in the IT automation market.

WHAT THIS PATENT COVERS

- **Automated orchestration of network configuration**. Network devices must be updated in a specific order to prevent access loss, outages, or even permanent equipment failure. Traditionally, engineers manually plan these sequences — a time-consuming, high-risk process. Stella's patented system automates this decision-making, determining and executing the correct update sequence instantly.

- **Cross-vendor compatibility**. Existing solutions are typically limited to a single vendor's hardware, such as Cisco, Aruba, or Ruckus. Stella's technology works across multiple vendors, eliminating vendor lock-in and making it the only solution of its kind.

- **Full automation of network updates**. This patent is a milestone in Stella's vision for fully automated network orchestration — eliminating manual intervention and allowing IT teams to shift from reactive troubleshooting to proactive strategy.

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THE BENEFITS FOR BUSINESS LEADERS

- **Eliminates human error**. Misconfigurations are a leading cause of security breaches, downtime, and compliance failures – costing businesses millions. Stella ensures every update happens in the correct sequence, every time.

- **Proven business value**. Enterprises using Stella say they now can't imagine managing their networks without it. This patented technology transforms IT operations by eliminating complexity, reducing security risks, and increasing efficiency.

- **Improves reliability and compliance**. Incorrect update sequences can cripple networks. Stella eliminates this risk, ensuring updates are executed flawlessly, keeping networks compliant and operational.

- **Faster, more efficient IT operations**. Updating a large network manually takes days of careful planning. With Stella, what once took hours now happens in minutes – automatically and without risk.

- **A unique competitive advantage**. This patent cements Stella's market position. While competitors rely on vendor-specific tools, only Stella offers fully automated, cross-vendor network orchestration.

"Most IT solutions assume you're locked into a single vendor – Cisco, Aruba, Ruckus – but modern networks aren't built that way. Stella's patented orchestration breaks the vendor lock-in model, ensuring seamless automation across any network,"

Dylan Carruthers

With this patent, Stella has grown its reputation as an industry leader in network automation, delivering tangible cost-saving benefits to businesses and setting a new industry benchmark.

ABOUT THE PATENT

- Patent number: U.S. Patent No. 12,250,124 B2

- Issuing Authority: United States Patent and Trademark Office (USPTO)

- Date of Issue: March 11, 2025

For more information on how Stella's patented technology can transform your network management, visit stellanetworks.io.

All media enquiries can be made via media@stellanetworks.io.

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Stella is a product of

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