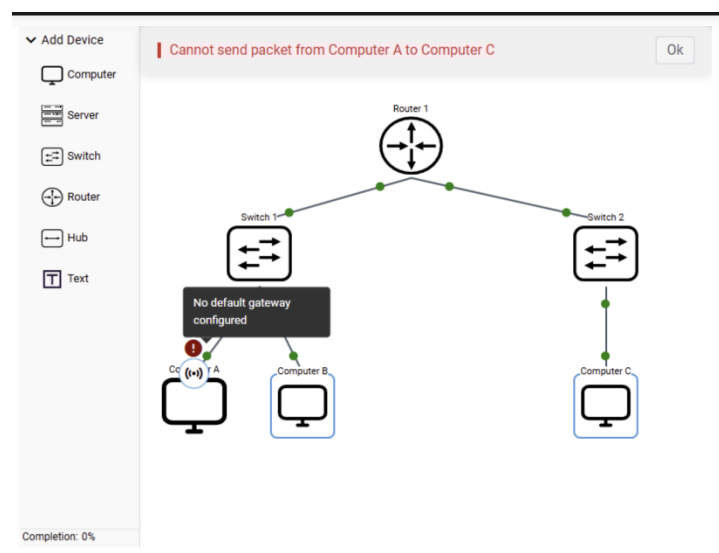# DTI Publishing Launches LabHUB™ Network Emulator v1.0: Visual, Interactive, and Built for Educators

[Salt Lake City, March 10, 2025] — dti Publishing Corporation, a Delaware-based company, is thrilled to announce the release of LabHUB™ Network Emulator 1.0, a next-generation web-based simulation tool that transforms how computer networking is taught and learned. With real-time packet tracking, hands-on device configuration, and customizable instructor tools, LabHUB™ brings networking concepts to life in a highly interactive environment. Instructors benefit from extensive customization options, including the ability to create their own labs, integrate self-check questions, and configure grading criteria.

The Missing Link in Network Education: Seeing, Doing, Breaking, Fixing

Training technicians have always existed at the collision point between theory and practice — but nowhere is that collision sharper than in computer networking. The gap between understanding protocols in theory and building fault-tolerant networks under real-world constraints is vast. This is

LabHUB™ Network Emulator showing an error state and its cause.

where traditional teaching tools — static textbooks, slide decks, and even pre-configured simulations — consistently fall short. Students are often taught to memorize command sequences and packet structures, but few actually get to see a network breathe, struggle, adapt — or fail spectacularly in their hands. That gap between academic knowledge and practical confidence is precisely the problem LabHUB™ was built to solve.

*"The Network Emulator transforms learning into exploration, letting technicians design, break, and rebuild networks with their own hands. Every packet's journey becomes a story they can trace, and every misstep is a lesson they can see unfold. We wanted to create something that doesn't just teach networking, but teaches **how to think in networks** — because that's the difference between following instructions and becoming someone who can fix what no manual ever covered."* Greg Tomsho, Author and Consultant.

Unlike traditional network simulators focusing on professional engineering, **LabHUB™ bridges the gap between static educational platforms and complex network emulators** by incorporating various teaching and learning features. With a clean interface and seamless cloud accessibility, it is a powerful supplement to physical lab equipment and textbook-based learning.

Why does LabHUB™ exist? Because its founders believe technical mastery comes from doing, failing, and understanding — not from memorization, as Mr. Pierre Askmo, CEO, says, *"True technical mastery does not come from reading about networks — it comes from wrestling with them, questioning them, watching them misbehave, and figuring out why. That's the philosophy upon which the Network Emulator was built."*

Key Features of LabHUB™ Network Emulator v1.0

Network creation becomes a hands-on exercise with LabHUB's intuitive drag-and-drop interface. Students can build topologies in minutes and immediately test configurations by sending packets across devices, turning passive theory into active skill-building. Instructors can create, modify, and tailor lab exercises to align with their curriculum objectives. Integrated grading criteria allow for streamlined assessment and performance tracking, ensuring an adaptable learning experience for different skill levels.

Due to its transparent and intuitive setting, users can observe data packets traversing the network, track their status, and receive real-time feedback on configuration errors. This feature enhances understanding by providing immediate insights into network behavior and potential troubleshooting steps.

LabHUB™ Network Emulator v1.0 supports essential networking devices, including routers (static routing and RIPv2), switches, hubs (to demonstrate legacy device operation), and computers. Future updates will introduce additional devices, such as servers, expanding the platform's versatility.

Ground-breaking Features for Accessibility, Technical Precision, & Applied Problem-Solving

Accessibility is built into every layer of the LabHUB™ Network Emulator v1.0. With no software installation required, students and instructors can log in from any internet-connected device, making the platform equally effective in traditional classrooms, remote learning setups, or hybrid environments. This way, technical training is no longer confined to a lab but travels anywhere with the student.

Self-check questions embedded within lab sequences act as built-in troubleshooting drills, requiring students to validate their decisions before advancing. Each question includes expert commentary explaining the operational impact of both correct and incorrect responses, linking every decision to real-world network behavior. As a domino effect, this reinforces practical reasoning alongside technical knowledge, preparing students to approach network design and diagnostics with confidence.

When students hit roadblocks, LabHUB™ steps in to guide them forward. Contextual error hints help learners identify where they went wrong and offer gentle guidance toward the solution, encouraging independent problem-solving without unnecessary frustration. Alongside these hints, the emulator's built-in network log continuously documents every packet's movements, creating a transparent audit trail that students can use to understand the mechanics behind their configurations.

A continuously updating log at the top of the screen provides a step-by-step breakdown of packet movement across the network. This transparency allows students to analyze network behavior and troubleshoot issues efficiently in real time.

Learn More and Access LabHUB™ Today

LabHUB™ Network Emulator v1.0 is available now. It offers educators and students a smarter way to learn—by building, breaking, and mastering networks firsthand.

To explore the full potential of LabHUB™ Network Emulator v1.0 and read expert insights, visit:

LabHUB™ Network Emulator Review or view this podcast

About Dti Publishing

For 20 years, dti Publishing Corporation has been a leader in designing and developing high-quality lab simulations. Recognized for its expertise in both coding and procedural best practices, the company has built a strong industry reputation for excellence in lab development. The result is highly efficient, reliable, and interactive learning experiences powered by cutting-edge development platforms.

Media Contact

Company Name: dti Publishing Corporation
Contact Person: Anne Mari Porter
Email: asuckley [@] dtipublishing.com
Country: United States
Website: https://dtipublishing.com/