



Concurrent Real-Time Enables Edge Computing with Guaranteed Response Times

Industries

- > Academia and Research
- > Aerospace and Public Sector
- > Automotive and Transportation
- > Imaging
- > Manufacturing and Automation
- > Robotics

Capabilities

- Real-time OS for the NVIDIA® Jetson™ platform
- > X-in-the-loop ecosystem for real-time model execution
- > Extensive developer tools to optimize performance

Product Line

- RedHawk™ Linux® for Embedded ARM64 and GPU Solutions
- NightStar™ tools for performance tuning and optimization
- SIMulation Workbench™ for real-time modeling and simulation
- > Custom engineering

LEARN MORE

www.concurrent-rt.com

Contact us: info@concurrent-rt.com



Partner

AI-IN-THE-LOOP ECOSYSTEM FOR MISSION-CRITICAL APPLICATIONS

Mission-critical applications and control systems require deterministic execution. Failure to respond on-time is simply not an option. Concurrent Real-Time's RedHawk™ Linux® real-time operating system guarantees response times. Now available on the NVIDIA® Jetson™ platform, RedHawk Linux RTOS delivers high performance in a small, power-efficient form factor for intelligent edge devices.

Empowering Edge Devices with deterministic capabilities and developer tools

CONCURRENT REAL-TIME AND NVIDIA

Concurrent Real-Time is a global provider of high-performance real-time computer systems and software solutions. Concurrent's RedHawk Linux delivers hard real-time performance for the most sophisticated X-in-the-loop (where X= model, software, hardware, driver/human, etc.) simulation, high-speed data acquisition, process control and low-latency transaction processing applications. Through its collaboration with NVIDIA, RedHawk Linux is certified by Concurrent and OEM partners for real-time applications on the Jetson platform.

CONCURRENT REAL-TIME SOLUTIONS

RedHawk Linux provides the guaranteed response and determinism needed for time-critical applications running on the Jetson platform. Concurrent's NightStar™ tool suite for debugging, analyzing, and tuning run with minimal real-time intrusions enabling developers to resolve difficult problems quickly. Concurrent's SIMulation Workbench™ real-time simulation framework enables execution of MathWorks® Simulink™ models, custom C/C++ code, and handwritten as well as MathWorks GPU Coder™ generated CUDA® code. For more than five decades, Concurrent Real-Time has helped customers reduce costs, lower risk, maximize profits, and speed time-to-market for real-time applications.

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