

# QNX Training

## COURSE CONTENT

### GET IN TOUCH



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## **About Multisoft**

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Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

## **About Course**

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QNX Training by Multisoft Systems is designed for professionals and students who want to build expertise in real-time operating systems (RTOS) and embedded system design. QNX, a powerful microkernel-based RTOS, is widely used in industries such as automotive, healthcare, industrial automation, and consumer electronics due to its reliability, scalability, and high-performance capabilities.

## Module 1: Introduction to Real-Time Programming

- ✓ Understanding Real-Time Systems
- ✓ Introduction to QNX
- ✓ QNX Architecture

## Module 2: QNX Fundamentals

- ✓ QNX Neutrino RTOS
- ✓ QNX Development Tools
- ✓ Building QNX Real-Time Applications

## Module 3: Real-Time Application Development on QNX

- ✓ Multi-Threaded Programming on QNX
- ✓ Inter-process Communication (IPC)

## Module 4: QNX OS on real Hardware & other Real Time Applications

- ✓ Porting QNX to Raspberry Pi
- ✓ Introduction to Resource Manager

## Module 5: Debugging and Analysis Tools

- ✓ Debugging Techniques
- ✓ Memory Analysis
- ✓ QNX Hypervisor