

Wind River Customer Education Services

COURSE DESCRIPTION

Platform for Network Equipment

Wind River Customer Education Services allows clients to unleash the power of Wind River's tools by creating developers skilled in Wind River technology. For developers, Wind River Customer Education Services provides the knowledge you need to meet your commitments, exceed your company's expectations, and excel at developing solutions. With Wind River Customer Education Services, you will develop and run your application software faster, better, at lower cost, and more reliably.

Course Description

The Platform for Network Equipment course provides engineers with a fast, cost-effective way to acquire the knowledge necessary to configure and utilize various components of Platform NE.

After this workshop, students will be able to:

- Take a requirement specification to a working application
- Design, develop, debug, build, and test real-time applications in a target-host development environment with Workbench and VxWorks
- Efficiently use the tools and functionality of Workbench and VxWorks

Who Should Attend

- Developers who work with Platform NE
- New project members on teams already using Platform NE
- Managers who want a quick understanding of Platform NE components
- Senior engineers who want to evaluate Platform NE technology

Prerequisites

- One year C or C++ programming
- Basic understanding of operating systems and debugging techniques
- Functional knowledge of UNIX or Windows NT
- Basic understanding of underlying technology for Wind River products in Platform NE

Prerequisite Courses

- Real-Time Programming for Embedded Systems
- Tornado® 2.2 for VxWorks® 5.5

Course Title	Platform for Network Equipment
Duration	3 days
Format	Instructor-led lectures and hands-on lab sessions
Price	Contact your local sales representative

Related Courses

- Tornado® 2 Board Support Packages
- Tornado® 2 Device Driver

Global Reach of Wind River Customer Education Services

- 3,000 students per year
- 320 classes delivered per year
- 34 instructors worldwide
- Access to 250 subject matter experts
- 22 training centers worldwide
- 20+ years device software experience

On-site courses are conducted at your location and include the use of preconfigured laptops and target boards, plus shipping and travel costs. Visit windriver.com/training for registration and schedule information.

Wind River reserves the right to change course topics, schedules, and prices at any time without notice. Please refer to www.windriver.com/training for the most current information.

Topics

- Wind Manage SNMP
- Wind Manage BackPlane
- Wind Manage Command Line Interface (CLI)
- Wind Manage WEB
- Wind Manage MIBWay
- Wind Net Router Stack
- Wind Net NAT
- Wind Net PPP
- Wind Net IPsec/IKE
- Wind Net 802.1X

Agenda

Day 1

Overview

- Platform NE Components Overview;
Available Resources

Wind Manage

- Wind Manage SNMP (Wind Manage SNMP Overview;
SNMP Development); SNMP APIS; SNMP MIB; SNMP
MIB Compiler (SNMP Advanced Topics)

Day 2

Wind Manage (cont'd)

- Wind Manage CLI and Lab; Wind Manage WEB and Lab;
Wind Manage MIBWay

Wind Net Router Stack

- Routing Enhancements

Day 3

Wind Net NAT

- Basic NAT; NAPT; NAT API; ALG

Wind Net PPP

- Remote Access Framework; Demo PPP Client or
Server Configuration (including PPPoE Configuration);
Multilink PPP

Wind Net IPsec and IKE

- IPsec Overview (Authentication Header, Encapsulating
Security Payload); Wind Net IPsec and IKE
Configuration

Wind Net 802.1X Authenticator

- 802.1X Ports; 802.1X Authentication Mechanism; Wind
Net 802.1X WLAN Authenticator

Appendices

- Network Basics, SNMP Basics

WIND RIVER