

VxWorks 6.6 to 6.7 Delta

Wind River Education Services enables you to unleash the power of Wind River's technology. Our training and mentoring empower developers with the knowledge and proficiency required to program and manage device software faster and more reliably. Reduce your project risks and shorten your development timelines by equipping your engineers with the right training by our experts.

Course Description

The VxWorks 6.6 to 6.7 Delta course provides engineers with a concise update on the differences between VxWorks 6.6/Wind River Workbench 3.0 and VxWorks 6.7/Workbench 3.1.

After this course, participants will be able to do the following:

- Describe new features in VxWorks 6.7.
- Rapidly scale and customize the VxWorks kernel using VxWorks source builds (VSBs).
- Simplify debugging with dprintf (dynamic printf).
- Improve the performance of real-time processes, using the alternate overlapped memory model.

Products Supported

- VxWorks 6.7
- Wind River Workbench 3.1

Who Should Attend

- Engineers who currently work with Workbench 3.0 and plan to upgrade

Prerequisite Skills

- Experience with Workbench releases 2.x and 3.x
- In-depth knowledge of VxWorks 6.x RTOS releases

Prerequisite Courses

- None

Related Courses

- Workbench On-Chip Debugging Fundamentals for VxWorks and Linux
- VxWorks 6.x Board Support Package
- VxWorks 6.x Device Drivers

Course Format

- This one-day instructor-led course consists of lectures and lab sessions.
- Students receive personal guidance from expert Wind River instructors.

Course Title:	VxWorks 6.6 to 6.7 Delta
Duration:	One day
Format:	Instructor-led lectures and hands-on lab sessions; instructor-led Live Remote delivery available
Price:	Contact your local sales representative

- Students use VxWorks 6.7 and Wind River Workbench 3.1 to gain experience with the topics presented.
- Lab sessions allow hands-on application of course concepts.

Global Reach of Wind River Education Services

With more than 20 years of device software experience, we provide education services in every region of the world. You can rely on our expertise—acquired by delivering hundreds of classes each year to thousands of students—to provide a highly effective learning experience, wherever your developers are located.

Private Classes

Private classes are conducted at your location, scheduled for your convenience. Private classes include the use of a preconfigured laboratory environment that may consist of a connection to a remote lab environment or equipment that we bring to your facility. Private classes can be tailored to your specific needs by adding or removing topics from multiple courses, maximizing the benefit of your time in class.

Mentoring

Our Rapid Integration and Mentoring programs provide coaching from a seasoned expert who can increase your team's productivity and reduce your project's risk. An experienced engineering specialist will review your specific goals, project environment, and challenges and address productivity obstacles. Whether you need assistance with product installation and configuration, advice on development workflow, debug assistance, or optimization best practices, mentoring can shorten your trial-and-error cycle, document recommended procedures, and ensure your developers are using tools and technology efficiently.

Syllabus

Getting Started

- Product Overview
- Workbench 3.1 Features
- Product Delivery, Installation, and Licensing
- Host Support
- VxWorks 6.7 Features
- Getting Started Lab

VxWorks Source Builds

- Introduction and Purpose of VSBs
- Workbench Projects
- Command-Line Usage
- VSB Options
- VSB Projects and VxWorks Builds
- VSB Lab

Using Dynamic printf Event Points

- Introduction to dprintf
- Using dprintf in the C and cmd Modes
- Using dprintf with RTPs
- Applying dprintf Through Workbench
- dprintf Lab

Overlapped RTP Virtual Memory

- RTP Virtual Memory Models
- RTP Code Regions
- Configuring VxWorks
- Identifying RTP Code Regions
- Building Absolutely Linked RTPs
- Overlapped Memory Lab

System Viewer

- System Viewer Lab

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