

# Test Management 3.x

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 Test Management 3.x course provides engineers and testers with a fast, cost-effective way to learn to run and manage automated tests with Wind River Test Management.

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

- Configure and administer a Test Management environment.
- Create and manage effective test plans.
- Create, assign and execute test cases.
- Use sensorpoint technology to run code coverage analysis and performance tests.
- Display and evaluate test results.

### Products Supported

- Wind River Test Management 3.2

### Who Should Attend

- Test engineers who work with Wind River Test Management
- New project members on teams using Wind River Test Management
- Senior test engineers who will evaluate Wind River Test Management

### Prerequisite Skills

- Experience in software quality assurance (QA)
- Experience in writing software tests and validating test results
- Basic knowledge of scripting languages (Perl, Python, or shell scripting)

### Prerequisite Courses

- None

### Related Courses

- None

### Course Format

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

<b>Course Title:</b>	Test Management 3.x
<b>Duration:</b>	Two days
<b>Format:</b>	Instructor-led lectures and hands-on lab sessions; instructor-led Live Remote delivery available
<b>Price:</b>	Contact your local sales representative

- Students use Wind River Test Management 3.2 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

### Day 1

#### Introduction

- Prerequisites
- Objectives
- QA Process
- Embedded Device Software Testing

#### Overview Administration and Workflow

- User Roles (Super Admin, Project Admin, QA Engineer)
- Workflow QA Team and Development Team

#### Overview Architecture

- Test Management Product Architecture
- Device Management Engine
- Test Case Scripting
- Virtual Lab Management

#### Test Management Configuration

- User Accounts
- Device Group
- Virtual Lab
- Projects
- Configuration Lab

#### Test Management Test Plans

- Overview of Test Planning
- Creating a Test Plan
- Importing a Test Plan
- Managing a Test Plan
- Test Plans Lab

#### Test Management Test Cases

- Creating a Test Case
- Assigning a Test Case
- Executing a Test Case—Manually
- Executing a Test Case—Scripted
- Test Cases Lab

#### Test Management Test Results

- Test Execution Record
- Displaying Log Files
- Code Coverage
- Performance Analysis
- Dashboard
- Test Results Lab

### Day 2

#### Test Management Sensorpoints and Patchpoints

- Importing Sensorpoints and Patchpoints
- Managing Sensorpoints and Patchpoints on the Server
- Using Sensorpoints and Patchpoints on Devices
- Obtaining Sensorpoints and Patchpoints Output
- Sensorpoints and Patchpoints Lab

#### Test Management Administration

- Prerequisites
- Administration
  - Device Management Engines
  - Test Plan Codes
  - Virtual Lab
  - Projects
- Administration Lab

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