Wind River® has introduced the latest version of Wind River Linux, the industry standard for embedded Linux software. The new version includes expanded hardware support for the latest ARM, Intel®, MIPS, and PowerPC architectures. Wind River Linux is also updated with the current Linux kernel, toolchain, and user space.

With the Yocto Project 1.5 open source development infrastructure as its core foundation, Wind River Linux 6 uses the latest Linux kernel as its upstream source to ensure customers have commercially supported access to the newest advancements from the open source community. Adding to existing Intel architecture 64-bit support, Wind River Linux includes ARM 64-bit processing support to further address the constantly growing data size requirements for embedded systems.

Wind River Linux builds on our world-class project support, rapid open source maintenance practices, and advanced tools to deliver the ultimate starting point for embedded Linux innovation. Leveraging an unparalleled range of high-quality board support packages (BSPs) across a variety of architectures, Wind River Linux jump-starts embedded device development while providing the long-term customer support for which Wind River is famous.

KEY FEATURES AND BENEFITS

Wind River Linux amplifies the value of our embedded Linux distribution with open source standards-based build infrastructure, market-leading support, and advanced embedded Linux capabilities. Its very small footprint, optimized boot time, and advanced power management enable lightweight, instant power-on devices with extended battery life.

**Yocto Project Compatible**

Wind River Linux is compatible with the Yocto Project, increasing cross-architecture portability and improving software interoperability. Reduce the cost of change for embedded Linux platforms with the following:

- BitBake, the industry-standard open source build system that combines kernel, packages, and patches and easily cross-builds them via the GNU cross-toolchain
- Build-system layers that provide a powerful mechanism for software and middleware encapsulation and separation
- Broad set of user-space packages and cross-build recipes
- Multiple BSPs with a common format available through the Yocto Project repository
Wind River Linux Beyond the Yocto Project

Our customers choose Wind River Linux for many reasons, including the following:

- **Commercial off-the-shelf (COTS) run-times**: Pre-configured, readily available footprint, latency, and power management profiles that jump-start device development
- **Commercial quality**: Higher run-time quality due to a mature and extensive quality assurance process incorporating hundreds of thousands of test cases
- **Lifecycle and maintenance**: Dedicated engineering team that delivers bug and security fixes with predictability via an innovative patch management technology
- **Development tools**: Wind River Workbench with open source integration modules
- **Risk mitigation**: Clarity around open source licensing, with IP assurance processes that deliver information you can rely on, including compliance to export controls
- **Commercial support**: Multilingual worldwide coverage with Service Capability and Performance (SCP) certification, six support centers, and options of standard, premium, project, and extended support
- **Professional services**: Deep Linux expertise available for customizations, roadmap acceleration, training, and consulting that meets your time and financial budgets
- **Broad ecosystem**: Extensive list of BSPs, including optimized support for the latest Freescale, Intel, LSI, Texas Instruments, and Xilinx platforms

**TECHNICAL SPECIFICATIONS**

**Supported Processor Architectures**

Our list of BSPs is unrivaled in the industry and we deliver optimized solutions for the latest Freescale, Intel, LSI, Texas Instruments, and Xilinx platforms:

- ARM
- Intel
- MIPS
- PowerPC
Yocto Project Compatibility
Wind River Linux supports the Yocto Project environment to help developers achieve greater cross-platform compatibility and component interoperability:

- Yocto Project 1.5
- Linux kernel 3.10
- GNU 4.8 toolchain
- BitBake build system

WIND RIVER PROFESSIONAL SERVICES
Wind River Professional Services provides deep embedded Linux expertise across many processor architectures to expedite Linux platform delivery. Our offerings span across the entire project lifecycle including architecture, design, development, porting, integration, and maintenance services; and we leverage our state-of-the-art platform simulation and test tools to accelerate deliverables and provide valuable reporting and documentation. Our global professional services organization provides flexible engagement options for consulting, training, and support that will meet your project resourcing requirements and budget.

WIND RIVER EDUCATION SERVICES
Wind River provides flexible training options to meet your business and learning needs. Our offerings 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 with the right training from our experts.