For organizations that build single-purpose systems on industry-standard hardware, SUSE provides a suite of powerful and integrated tools using SUSE® Linux Enterprise Server as the foundation. Harness the benefits of customizing a lean operating system quickly and easily, and integrate it with other components in order to take fixed-function appliances, gateways, servers and other hardware to market faster and more securely.

**Overview**
Integrating hardware and software resources to build and maintain embedded systems can be slow, expensive and complicated. SUSE’s development and management tools help developers efficiently incorporate, customize and optimize the SUSE Linux operating system, making it easier and faster to integrate hardware and software applications to align with specific embedded project requirements. This suite of highly valuable, easy-to-use tools includes the SUSE Software Development Kit (SDK), KIWI, Open Build Service (OBS) as well as the Subscription Management Tool (SMT).

**Key Benefits**
The SUSE development tools for building and managing embedded operating systems helps contribute to the success of hardware/software solutions by providing:

- **Enhanced Security:** In a day and age where data breaches and system vulnerabilities often help to define the solution itself, SUSE offers robust security protocols and the power of the vast open source community to ensure products and systems stay safe.
- **Improved Capability to Stay on Schedule and Speed Time to Market:** Let the powerful SUSE tools and support teams help your team offload maintenance and management tasks so that you can stay focused on driving innovation and delivering on tight development schedules.
- **Greater Flexibility:** Meet changing market and customer demands with access to tools and resources that make it easier and faster to create, customize and package embedded systems. Leverage the benefits of custom embedded contract pricing to ensure total cost of ownership saves you money and time.

**Linux Server System Requirements and Supported Platforms:**
www.suse.com/products/server/technical-information/
work more quickly and easily. The SDK also includes libraries, compilers, debuggers, simulation tools and editors for developers as well as Tomcat, a popular application for serving web applets.

**JUST ENOUGH OPERATING SYSTEM (JeOS)**

Based on SUSE Linux Enterprise, JeOS provides an ideal platform for today’s agile environments, whether it is for physical or virtual embedded appliances. JeOS, “juice” is a perfect minimized host operating system for deployment of container applications, and a flexible, secure and supported foundation for embedded systems starting at 300 MB.

**OPEN BUILD SERVICE**

The Open Build Service (OBS) is an open, complete software distribution development platform for building and distributing packages from sources in an automatic, consistent and reproducible way. It provides the infrastructure to create software packages for a wide range of operating systems and hardware architectures as well as add-ons, appliance images or entire Linux distributions. OBS also has the ability to “link” to a public source to help track ABI changes for those partners who are building kernel modules.

**KIWI**

KIWI is an open source command line tool that builds software images from a description file. Using KIWI, developers can build custom SUSE Linux Enterprise-based application images or appliances and rapidly generate output including a large variety of virtual machine and disk images. As the core image creation engine in SUSE Studio”, it includes SUSE patches, updates and technical support assistance.