



SUSE Tools for Embedded Operating Systems

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.



Linux Server System Requirements and Supported Platforms:

www.suse.com/products/server/technical-information/

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.*

Deploy and Update Your Applications

Subscription Management Tool



Physical



Virtual



Cloud

SUSE KIWI

Open Build Service

SUSE Repos

Private Repos

Build your Applications on SUSE Linux Enterprise for Any Architecture and OS

SUSE

openSUSE

Open Build Service (OBS)

x86-64

Power8le

System z

ARM 64

Software Development Kit (SDK)

High Availability

Real-time Option

SUSE Linux Enterprise

Key SUSE Tools

SUSE LINUX ENTERPRISE SERVER SDK

SUSE Linux Enterprise SDK is a comprehensive tool kit designed to support developers, IHVs and ISVs in creating applications on or porting them to SUSE Linux Enterprise products. The SDK contains several integrated development environments and supports popular programming languages such as C, C++, Java, Perl, Python, PHP and Ruby. As a result, developers can use what they know to

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)

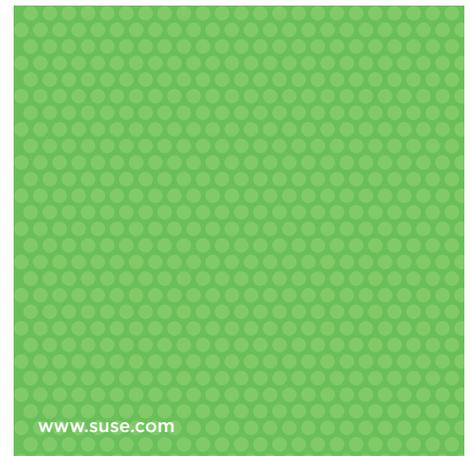
Based on SUSE Linux Enterprise, JeOS provides an ideal platform for today's agile environments, whether it is for physical or virtual embedded appliances. JeOS, "juice" is a perfect minimized host operating system for deployment of container applications, and a flexible, secure and supported foundation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



Contact your local SUSE Solutions Provider, or call SUSE at:

1 800 796 3700 U.S./Canada
1 801 861 4500 Worldwide

Contact the SUSE Embedded team to learn more: embedded@suse.com

SUSE
1800 S. Novell Place
Provo, UT 84606

SUSE
Maxfeldstrasse 5
90409 Nuremberg
Germany

