

7 Reasons to Choose SUSE for Industrial Automation Systems

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As you implement industrial automation systems for greater business efficiency, you want both the servers and the edge monitoring devices to be reliable and secure without the need to maintain your own operating system updates and fixes.

SUSE delivers an enterprise-grade Linux distribution enabled for 64-bit ARM chips optimization and outstanding support for industrial automation applications of Internet of Things (IoT) devices. SUSE® Linux Enterprise Server for Arm is designed for rigorous enterprise workloads that require reliability, high performance and security. It includes support for Raspberry Pi devices in industrial environments.

Here are seven reasons to build your industrial automation solutions on SUSE Linux Enterprise:

SUSE helps you:

- Deliver enterprise-grade industrial monitoring device solutions
- Focus on solution delivery rather than OS maintenance
- Reduce risk with long-life industrial solutions
- Deliver automation solutions with rock-solid security

01

Choose the Linux that is optimized for enterprise ARM devices

When developing your industrial automation solution, choose the first commercially supported, enterprise-grade Linux for Arm processor-based systems: SUSE Linux Enterprise Server for Arm. This established, open source industry-standard OS distribution includes specific optimization for a broad set of 64-bit Arm chips. SUSE provides an image specifically for the Raspberry Pi 3, Raspberry Pi 4 and Raspberry Pi Compute Module including support for key features such as WiFi and Bluetooth for wireless communication with industrial systems and gateways. SUSE Linux Enterprise Server for Arm enables reducing the energy use and heat of idle Raspberry Pi devices for energy-sensitive industrial environments.

02

Focus on solution delivery rather than adapting and maintaining an OS

With SUSE Linux Enterprise Server for Arm, you can avoid the resource costs and time of maintaining and supporting a private Linux distribution. By leveraging SUSE's mature and proven operating system, you can dedicate your staff to developing innovative industrial automation solutions that increase your operational efficiency and reliability.

03

Reduce risk with long-life industrial solutions

With a 13-year lifecycle and regular service pack updates that include fixes and feature enhancements without substantive changes, you can develop long-life industrial solutions while reducing the risk that can be potentially introduced by major OS changes.

04

Deliver automation solutions with rock-solid security

SUSE Linux Enterprise Server for Arm enables you to develop automation solutions using the highest level of security design for a commercial OS: Common Criteria EAL 4+, as well as ARMv8.5 Speculations Barrier support. This is becoming critically important as the industry trends toward integrating industrial automation data with enterprise applications.

With SUSE Linux Enterprise Server for Arm on the Raspberry Pi, industrial automation solution developers benefit from the rock-solid code base of the latest SUSE Linux Enterprise Server used for other 64-bit processor architectures. Support subscriptions enable developers to focus on application innovation rather than OS maintenance.

05

Get prompt technical support with options to fit your requirements

SUSE's award-winning technical support provides prompt resolution of support issues and questions during development and operations. SUSE support is available worldwide with engineers trained in Linux and mixed environments. You have the option of a Standard Support subscription (12 hours x 5 days) or a subscription for mission-critical operations, Priority Support (24 hours x 7 days).

07

Improve time to implementation with advanced tools

SUSE Linux Enterprise Server for Arm includes an array of advanced tools to more quickly compile, package and deploy Linux solutions. Installation on Raspberry Pi devices is made easier with all firmware, boot loader and device tree packages installed from DVD media.

06

Get timely OS updates and upgrades

Whether you choose Standard or Priority Support, you get unlimited email and phone support as well as access to upgrades and fixes, including security patches. The SUSE Customer Center gives you web-based access to information about your subscription status with a portal to download updates and patches as soon as they are available.