Product Flyer

Server

SUSE® Linux Enterprise Server for POWER

SUSE® Linux Enterprise Server and IBM Power offer both scale-out and scale-up options for organizations running their critical workloads in physical, virtual or cloud environments. The capabilities of IBM Power and the optimization in SUSE Linux Enterprise Server together create industry-leading performance and superior reliability, availability and serviceability (RAS). As the first Linux available for IBM Power, SUSE Linux Enterprise Server remains the best choice for Linux on IBM Power.

"SUSE and IBM have enjoyed a long relationship of delivering enterprise solutions built around IBM's infrastructure offerings and SUSE Linux Enterprise Server, and the companies have contributed to the broader Linux ecosystem through these efforts."

AL GILLEN AND DAN VESSET
IDC, #251824, October 2014

SUSE Linux Enterprise Server was the first Linux on IBM Power and remains the best choice for Linux on IBM Power.

The Benefits of Linux on IBM Power

COST AND EFFICIENCY

Maximize your return on your IBM Power investment by adding or moving Linux workloads on to an existing Power system. By putting previously idle Power processors to work, you can run more workloads without adding network infrastructure, consuming more floor space or increasing energy costs.

SUSE Linux Enterprise Server and IBM Power also provide a competitive option for scale-out computing. Together they provide high levels of performance and availability with flexible scale options to fit the requirements of your workloads. SUSE Linux Enterprise Server and IBM Power leverage the virtualization benefits of PowerVM and PowerKVM, allowing you to maximize the number of virtualized workloads per system. This can result in significant cost savings.

RELIABILITY, AVAILABILITY AND SERVICEABILITY

With IBM Power you get reliability, availability and serviceability (RAS) beyond that offered by commodity x86 servers. SUSE Linux Enterprise Server for POWER supports the RAS capabilities of Power servers, such as hardware redundancy and live partition migration.

The Best Linux for IBM Power

SUSE Linux Enterprise Server for POWER takes advantage of IBM Power System capabilities and supports thousands of certified applications.

INTEGRATED SYSTEMS MANAGEMENT

SUSE Linux Enterprise Server for POWER comes with a comprehensive set of time-saving installation, configuration, deployment and administration tools, all powered by the market's fastest integrated package management subsystem, Zypper.

FLEXIBLE LARGE PAGE SUPPORT

Linux for POWER has historically used 4 Kb as the base page size—the basic unit in which the Linux virtual memory subsystem allocates memory, maps files into memory, and applies memory protections. SUSE Linux Enterprise Server now supports 64 Kb large pages as well as the traditional 4 Kb page size.

> **"By migrating to IBM PowerLinux servers, we reduced our leasing costs by more than 50 percent and can set up environments for new customers 80 percent faster."**
>
> **JOCHEN WÖHRLE**
> *Head of Infrastructure*
> IT-Informatik GmbH

www.suse.com

VIRTUALIZATION

SUSE Linux Enterprise Server for POWER supports both PowerKVM and PowerVM virtualization technologies at no additional charge. On PowerVM, it allows you to allocate many virtual machines in parallel per processor. It includes graphical and command-line tools for the management of virtual machines and offers support for Linux Containers, which provide highly-efficient, low-overhead OS virtualization.

SUSE Linux Enterprise Server for POWER also supports important technologies in PowerVM, such as:

- **Active Memory Sharing**—*flows memory from one partition to another*
- **Dynamic Memory Remove**—*allows administrators to decrease a partition's resource use*
- **Live Partition Mobility**—*allows administrators to move Linux logical partitions from one system to another*

HIGH AVAILABILITY

SUSE provides an industry-leading High Availability Extension, an integrated suite of open source clustering technologies that enables you to implement highly available physical and virtual Linux clusters. It helps you maintain business continuity, protect data integrity and reduce unplanned downtime for your Linux workloads. Learn more about this complementary product to SUSE Linux Server for POWER at: **www.suse.com/products/highavailability**

SUPPORT

SUSE has roughly 25 years of experience and hundreds of Linux-trained engineers located in support centers covering every region of the world. Our technical support personnel can tackle the toughest problems—at any scale and on any platform or combination of platforms.

INDEPENDENT SOFTWARE VENDOR PARTNERSHIPS

SUSE Linux Enterprise Server supports more third-party applications than any other Linux distribution. The SUSE independent software vendor catalog includes more than 2,000 applications certified for IBM Power.

SUSE and IBM

SUSE and IBM have worked together for more than 20 years to develop industry-leading, Linux-based solutions. SUSE and IBM have more than just a partnership; we work together on technical development, customer support, and innovative offerings supporting green computing for the benefit of our mutual customers and business partners. SUSE worked with IBM to deliver Linux to IBM mainframes in 1999, we were the first to develop Linux for IBM Power and we continue to lead the pack in supporting new IBM Power features. We maintain a joint software development center in Toronto and invest together in open source projects such as Linux, KVM, OpenStack and more.

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IBM | SUSE We adapt. You succeed.