



Highlights

- Ubuntu 14.04 LTS Linux is available and certified by IBM® on POWER8™
 - Ubuntu brings the world's most popular OpenStack platform and over 100 leading cloud services to POWER8
 - Ubuntu Linux is a proven time-saving toolchain for automated provisioning, deployment and management
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Embrace the Power of the cloud: Power Systems and Ubuntu Linux

Ubuntu Server 14.04 LTS on new POWER8 servers certified and supported by IBM

In this increasingly complex era of computing, Open has never been more important. What is different about open computing that makes it increasingly vital to clients? Speed of innovation, integration, and choice. Speed of innovation is all about open source; enabling radical innovation of products, markets and business models by quickly exploiting new technologies. Integration is about open standards; streamlining operations and effectiveness by deep interoperability of new and legacy products & services. Choice delivers lower costs and improved efficiency by providing flexibility, freedom and agility in IT both today and tomorrow.

Ubuntu Server, the original reference operating system for the OpenStack open source cloud platform, is already the world's number one choice of underlying OS for OpenStack deployments. For customers with cloud or scale-out computing in mind, Ubuntu 14.04 LTS on POWER8 provides simple, fast deployment and management of the world's leading open source cloud services, with support from Canonical (the company behind Ubuntu) and, of course, IBM.

OpenStack made easier

OpenStack is the world leader in open source cloud deployments. It is the underlying platform on which most private cloud infrastructure is built and it forms the basis of many of the leading public cloud platforms.

Nevertheless, cloud computing can be complex—and even OpenStack can pose deployment challenges. Ubuntu counters these issues with an end-to-end deployment solution for OpenStack, comprising tools for every stage of build, from provisioning your machines to creating the cloud itself and managing services once they're up and running. This tool chain comprises:

- Metal-as-a-Service (MAAS)—a powerful provisioning package that enables you to detect, provision and configure machines remotely, with very little manual input.
- Juju—a revolutionary service orchestration tool that encapsulates configuration and best practice deployment information for your services in charms that can be used to deploy any workload instantly, from OpenStack itself to Hadoop, MongoDB, MySQL and hundreds more.



- Landscape—Canonical’s systems management tool, enabling you to visually monitor and manage every node in your cloud, whether physical or virtual.

All the above tools are browser-based and can therefore be operated from any machine with network access to the cloud environment.

“We believe IBM’s launch of POWER8, with Ubuntu 14.04 LTS, Ubuntu OpenStack and Juju will deliver the scale, reliability and performance customers are looking for.”

—Mark Shuttleworth, Founder of Canonical, Ltd.

Power and flexibility in equal measure

Ubuntu was first released in 2005 and remains a free, open source operating system, supported by Canonical. It runs on x86, ARM and Power architectures, making it the only enterprise-grade Linux distribution to offer the flexibility you need for true scale-out computing. Power is a proven data centre architecture that can be used for both scale-up and scale-out computing. With Ubuntu on POWER8, you can create a truly flexible infrastructure encompassing cloud, clusters, scale-up and scale-out, with guaranteed long-term support for your deployments.

Support for the long term

Ubuntu 14.04 LTS is a long term support release—which means that Canonical guarantees support for this version for the next five years, until April 2019. That guarantee extends to the Icehouse release of OpenStack and the entire Ubuntu deployment toolchain.

Why IBM?

Ubuntu Linux for Power includes approximately 40,000 binary packages, all built from scratch. With the new POWER8 architecture, porting existing Linux software to Power Systems is typically just a recompile and run. Ubuntu 14.04 LTS, released on April 17th and supports IBM POWER8 Linux servers. Whether it is MongoDB, Elasticsearch, Cassandra for data analytics, OpenStack for cloud infrastructure or Cloud Foundry for Platform as a Service, Juju can deliver complete solutions to Power instantly.

For more information

To learn more about the Ubuntu Server 14.04 LTS certified and supported by IBM Power Systems, please contact your IBM representative or IBM Business Partner, or visit the following websites:

- ubuntu.com
- ibm.com/power

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