

Certified Ubuntu on Joyent Cloud

Ubuntu is the most popular Linux OS in the cloud. Every day, users choose Ubuntu for its performance, reliability and robust ecosystem of tools and applications. As Joyent customers deploy their mission-critical and essential applications to the Joyent Cloud the importance of having a certified version of Ubuntu that is consistent and fully backed by Canonical in their data center, private cloud or public cloud is essential. Joyent customers get the assurance that the Ubuntu they trust to run their business is highly optimized, fully secure and eligible for support and upgrade services from Canonical.

Joyent and Canonical share a focus and passion for open source technology. Joyent has been supporting key open source projects such as SmartOS and Node.js for years and Canonical is the company driving the evolution and support of Ubuntu. By combining the uniquely powerful Joyent Cloud service with the best of breed Linux as a certified option Joyent customers can enjoy the best possible user experience available in cloud.

Accelerate your applications today!

- www.joyent.com
- www.ubuntu.com/cloud/ecosystem



Certified Ubuntu Value

Ubuntu Cloud images, tuned and tested for the Joyent environment

- All kernel patches, drivers, tools and packages
- Timely image updates including critical bug fixes and security updates
- Eligible for support from Canonical through Ubuntu Advantage

Cloud Image Quality Assurance

- Joyent specific testing atop the Ubuntu Server testing integrated
- Regular and milestone testing
- Performance analysis
- Continuous development of testing based on Joyent Cloud experience
- Knowledge base of issues and fixes based on experience
- Official Ubuntu images from a trusted and secure source

Cloud orchestration and management toolset

- Juju Provider
- Rich and highly complex Juju charms
- Regular functional and workload testing for charms on Joyent
- Proactive monitoring and compliance of Ubuntu instances

Archive Mirrors

- Hosting in Joyent Cloud and managed in all availability zones
- Monitored by Canonical and configured to be highly available and respond to high user demand

Simple Streams

- Connects Juju to guest image
- Automatically passes deployment information
- Always freshest Ubuntu image



Enhancements for Joyent Users

Stock Kernel

By using Stock Kernel for each release we have gained a faster boot time, increased overall performance, and a wider application usage such as supporting Docker out of the box.

Cloud-Init

Cloud-Init is the multi CSP system that handles early initialization of a cloud instance. With Cloud-Init, you now have the power and flexibility to accomplish practically anything when provisioning on Joyent.

For example:

- Install additional packages at provision time
- Move swap over to the secondary disk if you need more space on the root disk
- Encrypt the secondary disk if you need to provide protection for your data at rest
- Setup and run Chef Recipes and Puppet Manifests

Cloud-Init essentially removes the necessity of having a custom image for each of the services needed to make your business work. This also means if you use Cloud-Init on another cloud provider, you can easily move over to Joyent using the same Cloud-Init file.

Juju

Juju, <https://juju.ubuntu.com>, is an orchestration system with the ability to run on various cloud stacks on both private and public clouds and even on bare-metal. As a Joyent users you will now have the ability to use juju-local on your instance to create services and establish relationships between them.