

# BE A PART OF THE OPEN SOURCE CLOUD

Developed by a worldwide community, the Fedora Project collaborates closely with upstream free software project teams to provide a compelling free and open source operating system experience for users.

## OpenStack and Fedora

OpenStack is a widely supported, open source suite of components for provisioning public and private IaaS cloud platforms. The latest release, Essex, is available for both Fedora 16 (as a preview) and Fedora 17. In it, you'll find:

- **Nova:** Manage virtual machines, including stopping, starting, and live migration. Fedora support for libguestfs increases the variety of virtual machine image formats you can manipulate.
- **Glance:** A virtual machine image registration service, providing a REST interface to image caching and retrieval.
- **Swift:** An object storage service (like Amazon's S3 service).
- **Quantum:** Virtual networking service with REST interface and pluggable back-ends. Essex release supports Open vSwitch, Linux bridging, & a variety of virtual networking controller technologies.
- **Keystone:** A centralized identity and authentication service to support multi-tenant clouds.

### Additional features

- An included dashboard self-service and administration UI
- Simplified dependencies with Qpid as messaging transport
- Optimized handling of VM images to minimize time and disk space used
- KVM support for booting from ISOs and better control over disk images
- Separate admin and volume APIs in Nova
- Optimized image transfer and progress info with Glance

▶ **Learn more about using OpenStack with Fedora:**  
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