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:**
   fedoraproject.org/wiki/OpenStack

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