Kimchi

KVM Forum
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KVM is great, but...

- Performance and Scalability
- Security
- Robustness
- Cost
- Enterprise management
- Easy to use
  - Most tools focus on large scale virtualization
  - We need something to cater to entry-level users
Curb Appeal

- Support the clients that our users use
- Dead simple environment setup
  - Client: No additional software required
  - Server: Runs on all modern Linux distributions
  - No pre- or post-installation environment setup
- Perform basic virtualization tasks easily
  - Install new virtual machine
  - Virtual machine lifecycle operations
  - Monitor virtual machines
- Keep it simple
Now serving Kimchi

- Self-contained CherryPy RESTful web-application
- Built on libvirt
- HTML5 interface using jQuery
- Internationalization via GNU Gettext
- NoVNC
Kimchi will...

- Work on any client that has a modern web browser
- Run on any modern Linux distribution
- Create VMs quickly by relying on defaults
- Push customization outside of the critical path
- Unify common virtualization related tasks
- Extend easily via its REST API and hooks
- Rely on widely available open source components
- Maintain its focus on the entry level use case
- Provide an upgrade path to enterprise virtualization
Demo
Next steps

- Instant-On virtual machine installation
- Manage virtual networks
- Clone virtual machines
- Host monitoring and basic administration
- Distribution packaging
- Spice support
- ovirt-node plugin
- Export virtual machines to oVirt and OpenStack
## The Kimchi Project

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