Kimchi

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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

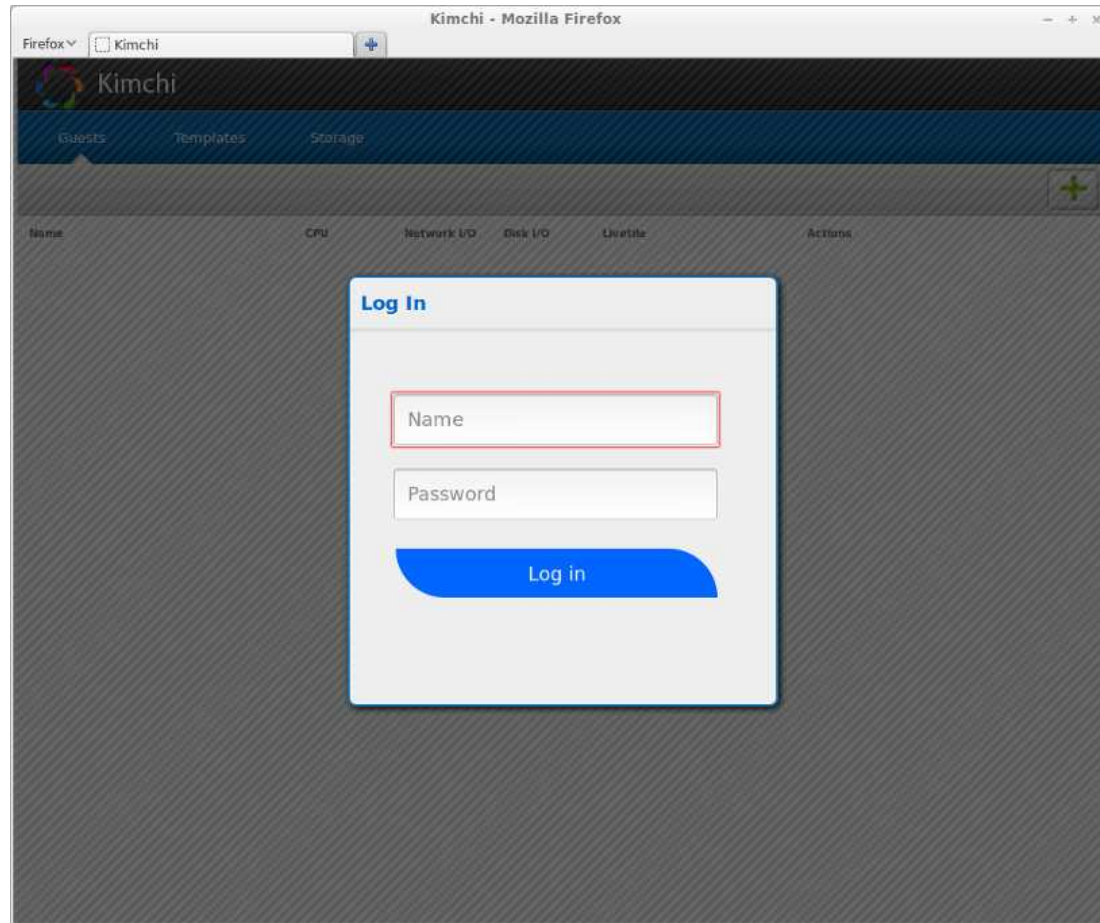 - Monitor virtual machines

- 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

Code	https://github.com/kimchi-project/kimchi
Bugs	https://github.com/kimchi-project/kimchi/issues
Patches	Google groups: project-kimchi project-kimchi+subscribe@googlegroups.com
Chat	#kimchi on OFTC