



# Tukey

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The OSDC Portal

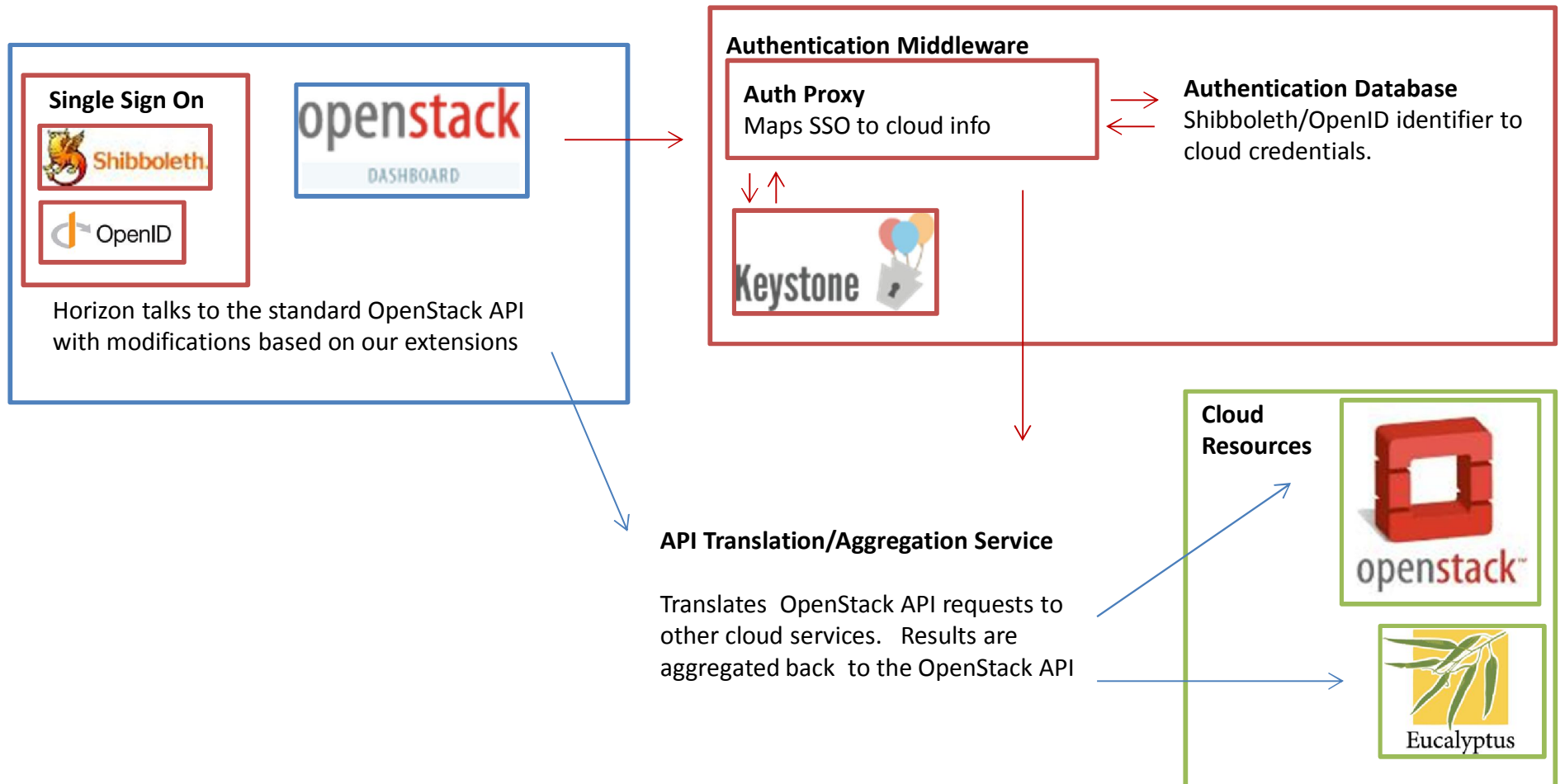
# Why a Cloud Portal?

- Find out about the OSDC
- Apply for cloud access
- Use Single Sign On (SSO) web authentication
- Easily manage resources
  - VMs, Images
- Provide basic support

# How do You Implement a Cloud Console?

- Don't reinvent the wheel
  - Horizon
- We need to fit Horizon to our needs
  - Single Sign On
  - Eucalyptus, AWS
  - Adding new features

# Middleware Architecture



# Authentication

- Single Sign On
  - OpenID
  - Incommon, Shibboleth
- SSH keypairs
  - Why are they superior to passwords?
    - Once you get them to work you don't need to type passwords... well only once

# Tukey Modules

- Question 1
- What if you want to create your own cloud query tool or cluster launch?
- Currently
  - Extend Horizon and operate on the extended horizon requests

# Roadmap

- Better module support
- Sharing files
- Digital IDs
- Secure Metadata
- Easier authentication
- Interoperability with other clouds.

# Get Involved

- <https://github.com/opencloudconsortium/tukey-middleware>
- <https://github.com/opencloudconsortium/tukey-portal>
- <https://github.com/openstack/horizon>
- Email Matt Greenway [mgreenway@uchicago.edu](mailto:mgreenway@uchicago.edu)