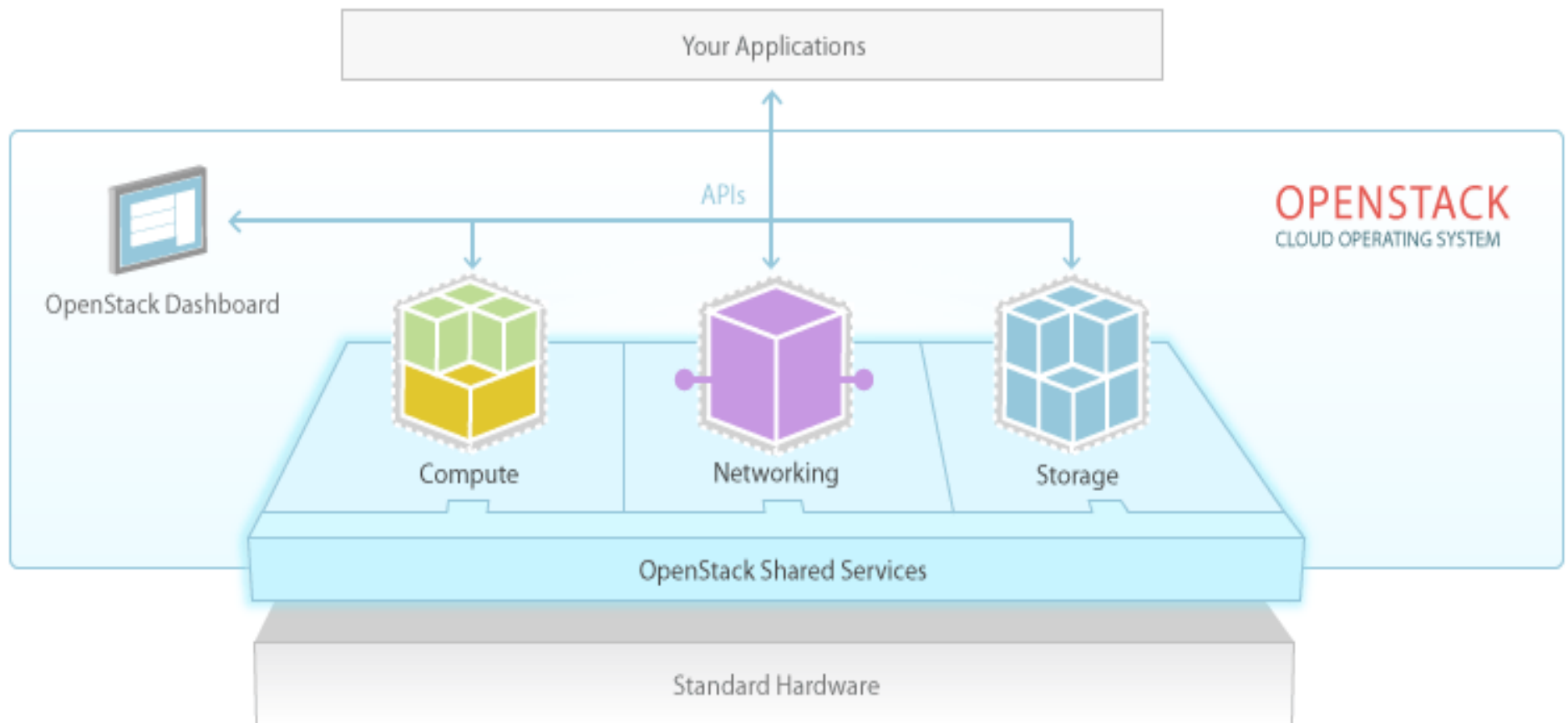# RED HAT OPENSTACK OVERVIEW

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December, 2012
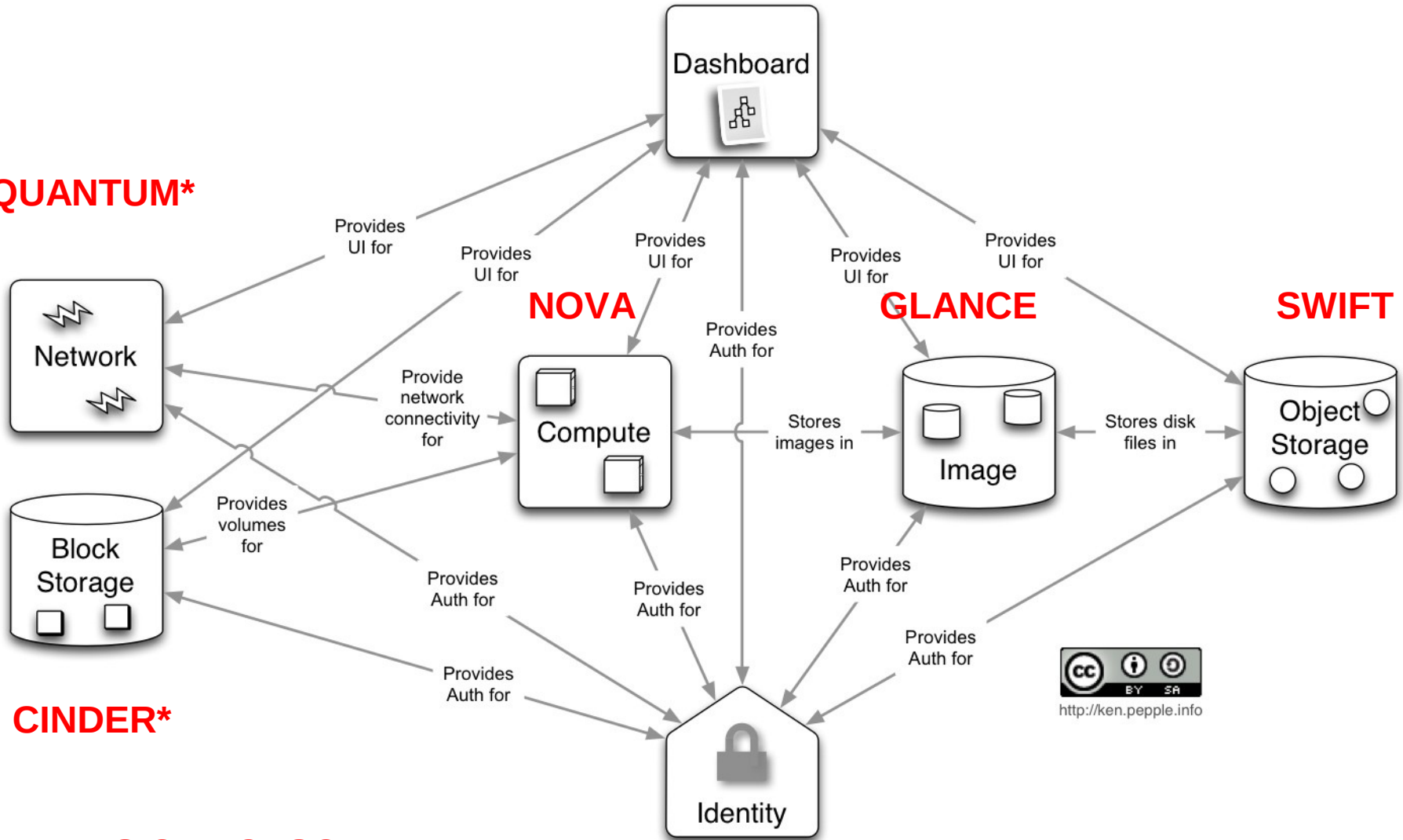
WHAT IS OPENSTACK?

FOLSOM OVERVIEW

HORIZON

QUANTUM*

NOVA

GLANCE

SWIFT

Dashboard

Network

Compute

Image

Object Storage

Block Storage

Identity

Provides UI for

Provides UI for

Provides UI for

Provides UI for

Provides UI for

Provide network connectivity for

Provides Auth for

Stores images in

Stores disk files in

Provides volumes for

Provides Auth for

Provides Auth for

Provides Auth for

Provides Auth for

Provides Auth for

CINDER*

* NEW AS OF FOLSOM

WHY ARE WE INVOLVED WITH OPENSTACK?

- Broad community

- Lots of momentum

- Natural fit with our open hybrid cloud strategy

- We bring what OpenStack needs

  - Supportability

  - Stability

  - Enterprise grade features (Security, Performance, RAS)

  - Certified ecosystem

OpenStack

- ## What are Red Hat's immediate goals?

    1) **Become influencers and leaders in the upstream OpenStack community.**
        - Red Hat began quietly assigning engineers to contribute to OpenStack starting a year ago.

        - During that time, Red Hat has grown a significant OpenStack engineering team and it will continue to grow.

        - Red Hat is now the #2 overall corporate code contributor to OpenStack.

    2) **Work with Rackspace and the corporate community to create a better governance structure for OpenStack.**
        - This effort culminated in the announcement on April 21 that Rackspace will move the project to a neutral foundation.

        - Red Hat is a Platinum member of this foundation (Platinum is the highest level).

    3) **Distribute a preview of Red Hat's commercial version of the OpenStack software (based on Essex and RHEL 6.3).**
        - Will be a free download available from Red Hat's Customer Portal for anyone with a Red Hat login (available in August).

        - This is a non-production, unsupported version of Red Hat's commercial version of OpenStack aimed at developers and integrators who want to test OpenStack on RHEL before the official commercial release date.

OpenStack

- What is Red Hat's longer-term goal?
  - Create a commercial, fully-supported OpenStack product.
    - Supported Product Offering.
    - Based on OpenStack Folsom with RHEL 6.4.
    - Available early 2013.

OpenStack

- Preview Program

- openstack.redhat.com

Red Hat's Portfolio for Clouds

RED HAT
CLOUDFORMS

RED HAT
OPENSTACK

RED HAT ENTERPRISE
VIRTUALIZATION

RED HAT ENTERPRISE
LINUX

RED HAT
STORAGE

QUESTIONS...

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