

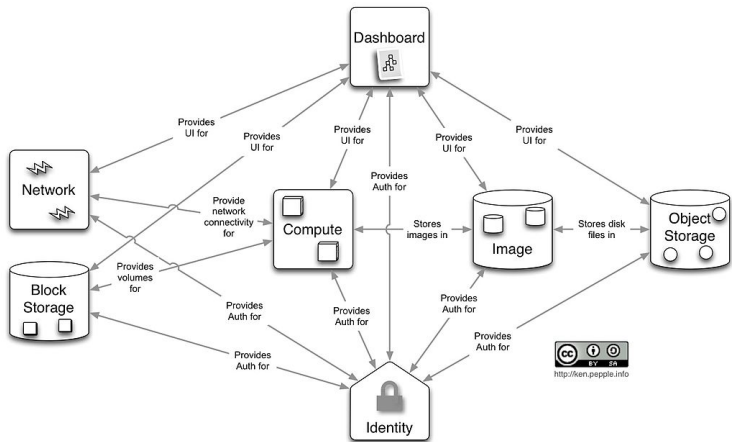
PA200 - OpenStack - Technical Insight

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OpenStack Overview

Schema



Conceptual Schema

OpenStack Components (Projects)

Identity (Keystone)

- ▶ manages users, projects, domains, roles, groups
- ▶ authorization scopes - unscoped, project, domain
- ▶ role-based access control (RBAC)

```
"identity:create_user": "role:admin and domain_id:%(user.domain_id)s"
```

Dashboard (Horizon)

- ▶ web UI
- ▶ allow to manage:
- ▶ users, groups, roles, projects
- ▶ instances, images, volumes
- ▶ quotas, cloud resources, ...

Compute (Nova)

OpenStack Clients (CLI, python, web UI)

► demo

OpenStack Contribution

- ▶ <https://www.openstack.org/>
- ▶ <https://review.openstack.org/>