Features

- MFA support for SQL users
- Fix the issue where long lives operations time out
- Make revocation events faster
- Enhance the mapping engine to be easier to use and more useful (auto provisioning)
    - groups, projects, roles should all be auto-provisioned
    - make mappings managed by domain admins
    - should mapping change invalidate the assignments
        - what about expiring assignments (based on token)
- SAML in middleware to remove requirements of mod_mellon and mod_shib
- Properties/metadata for projects
- Fernet keys backend
- Trust enhancements (lightweight and scope extensions)

Long goals

- Make fernet the default token format
- DevStack v3 by default
- DevStack and grenade to use new upgrade flow
- Testing new upgrade flow
- More advanced scenarios for functional tests (LDAP, OAuth, federation, auditing, PCI)

Bugs we should fix

- Keystone-doctor need developer docs and tests
- k2k should work with groups and projects
- Push policy changes to other projects for bug 968696
- Nested groups for AD
- Whitelist for PCI user ids
- Include healthcheck middleware
- Use the mapping_id backend for shadow users
- Upgrade bugs (doc 1638368, UX fixes)
- Caching fix fix https://review.openstack.org/#/c/380376/
- PCI: When the user is locked they can't change their password
- PCI: exempt user IDs - should we track failed authentications?
- Keystoneclient
    - endpoint filter groups: https://review.openstack.org/#/c/182658/16
    - Print large object: https://review.openstack.org/#/c/359292/1

Docs

- Update admin guide http://docs.openstack.org/admin-guide/identity-management.html
    - LDAP and PCI
- Start moving content from developer docs to admin guide
- Fix up "Configuring keystone"
- keystoneauth docs needs to mention k2k

- Admin and Install guides should mention new upgrade flow
- Update http://docs.openstack.org/newton/config-reference/identity.html
    - PCI options

Team dynamic

- More sprints! possible topics include:
    - keystoneauth migration
    - bug squashes
- Use the champion model for reviewing features
- Use a bug czar

Horizon & Keystone work

- Setup a weekly meeting with keystone and horizon folks to work on long standing issues
- Proper Domain-admin support
- Remove token revocation on logout
- How to handle if keystone sets token expiry to 5 minutes?
- Assigning roles, does v2 and v3 have different flows?
- K2K support
- Support for browsing LDAP users
- v3 policy is not parseable using oslo.policy
- what to do about django-openstack-auth-kerberos?
- Documented here: https://etherpad.openstack.org/p/ocata-keystone-horizon

What are the priorities for Pike and Queen?

- RBAC / authorization needs a complete overhaul
- OIDC in middleware to replace mod_auth_openidc (if SAML gets in)
- Report what roles are required for an API
- Store quota limits in keystone
- Better key rotation, separate from storage
- Testing for multiple keystone databases that are sync'ed and replicated
- Consistent and way to measure performance
    - With bot and graphing data?
    - We need a one-liner for running performance tests
- v2 CRUD endpoints are removed
- The catalog looks slightly better
- The admin endpoint is not a thing, just public and internal