SNIA OpenStack Task Force

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Agenda

- ◆ Background
- ◆ Tasks
- ◆ Plan

SNIA and OpenStack

- OpenStack Cloud Storage – Sam Fineberg (SDC, BrightTalk)
- Block Storage in the Open Source Cloud – ESF BrightTalk
- OpenStack File Services for HPC – CSI
  - Manila update for Juno, Kilo and Mitaka
- OpenStack Cloud Storage – SNIA Europe
- Summit Bofs –Multiple APIs (CSI), Object Drive
- Source Code: CDMI for Swift - https://github.com/osaddon/cdmi
- OpenStack Talks at SDC, DSI

OpenStack Code

- CDMI on OpenStack Swiftproject in Github
    - https://github.com/osaddon/cdmi
    - A Python egg that adds support for the [CDMI protocol] to OpenStack Swift.
    - Filter driver, so easy to integrate with OpenStrack deployment (not proxy)
- Developed by IBM when they were part of Cloud Storage TWG
- No activity for two years
- Possible candidate for developing community support for CDMI in OpenStack
- Needs to be updated to latest version of OpenStack (Kilo)
- Needs to be update to latest version of CDMI
- But, how to get the community started?

Example Effort

- Use SNIA Initiative funds to enable CDMI on OpenStack using previous github code
- Demo it running at a future OpenStack Summit (Austin?)
- Use this to jump start a community around supporting CDMI and other SNIA technologies on OpenStack
- Form a new Initiative that uses volunteer people resources and fees to fund a continuing community around CDMI, SMI-S, Solid State and Object Drive support
- If one company drops out, others can step up with money or people to continue the effort

Create an Initiative

- ◆ **The OpenStack Storage Initiative (OSI)**
  - ◆ Chartered to promote SNIA standards and technologies to the OpenStack communities (Developers and Operators)

- ◆ **Coordinate OSI members' development teams to implement the technologies**
  - ◆ Blueprints
  - ◆ Pull Requests
  - ◆ DefCore tests

- ◆ **Increase awareness of SNIA and its benefits to OpenStack**
  - ◆ Booth/Talks at Summits
  - ◆ OpenStack content (continue BrightTalk webcasts, tutorials)

Task Force Tasks

- **Determine interest in doing this**
  - 5 Companies to sign up for Initiative
- **Determine Charter**
  - Scope of activities
  - Cooperation with other F&Is : CSI, SMI, SSSI, ESF, etc.
- **Governance Documents**
  - Fees
  - Board, committees, etc.
- **Schedule of approvals and other activities**
- **Initial funding**

Involving the Community

- Started an open mailing list for interest prior to Initiative formation – openstack@snia.org
- Scheduled a series of calls to ramp up interest
- Governance discussions taken "inside" to regular Kavi list following open calls
- Open list(s) continues among both members and non-members
- Regular IRC chat meetings similar to OpenStack meetings

Plans

◆ **Draft SNIA OSI charter**
  - ◆ Receive feedback, comments

◆ **Draft SNIA OSI Budget**
  - ◆ Based in expected revenue, expenses

Timeline

- Message the open mailing list and first call - January
- First Open Call held at OpenStack Bof – great turnout!
- Final governance documents in place for SNIA Board Meeting
  - Need 5 members otherwise its a Initiative "Request" for Kavi group (2 members)
  - Finalize
- Launch the SNIA OSI
  - Develop Launch plan
- Second Open Call – February 2nd
- Last Open Call - February 16th
- Take governance discussions to Kavi only, continue open list - March

Q & A