



Open Storage Project

Project Overview @ SDC

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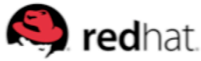
22nd September 2015

Platinum Members



Huawei

Silver Members



Open vStorage



SwiftStack

Dell

Western Digital

- Launched 17th August 2015 at LinuxCon
- 1st Governing Board meeting on 1st September
- 1st Technical Steering Committee meeting on 21st September

What Does Kinetic Look Like?

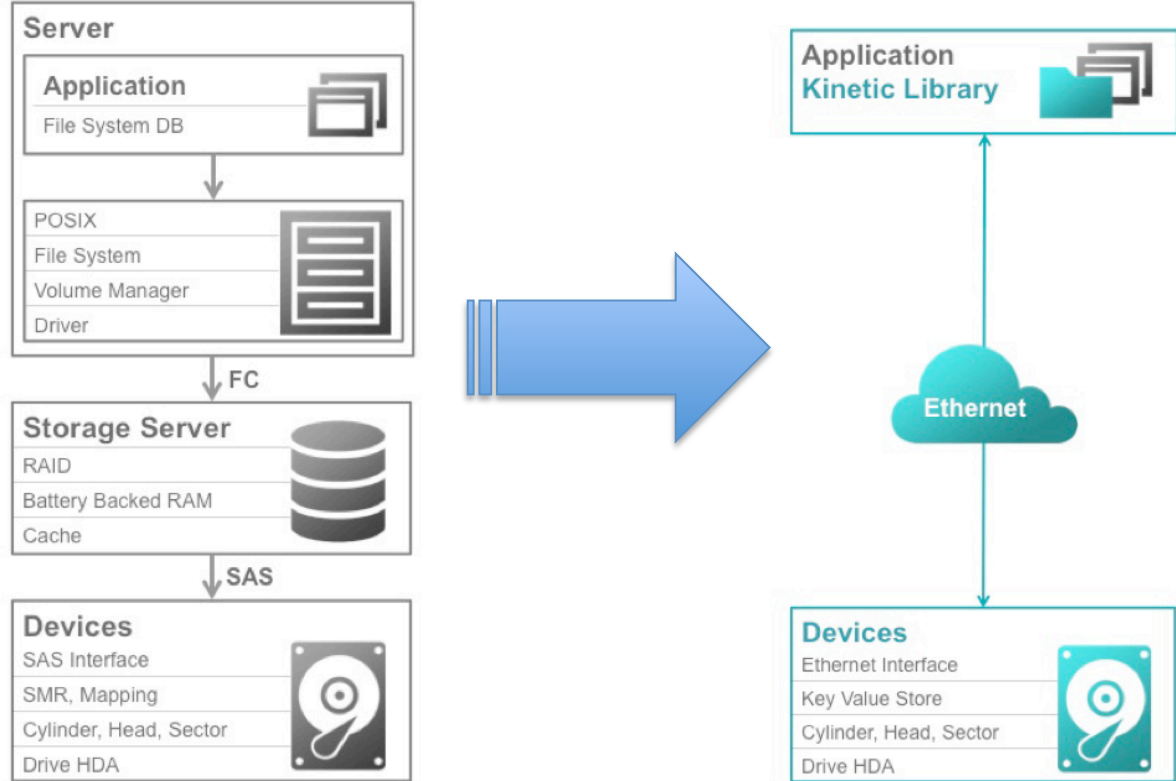


Newisys EDA-4605



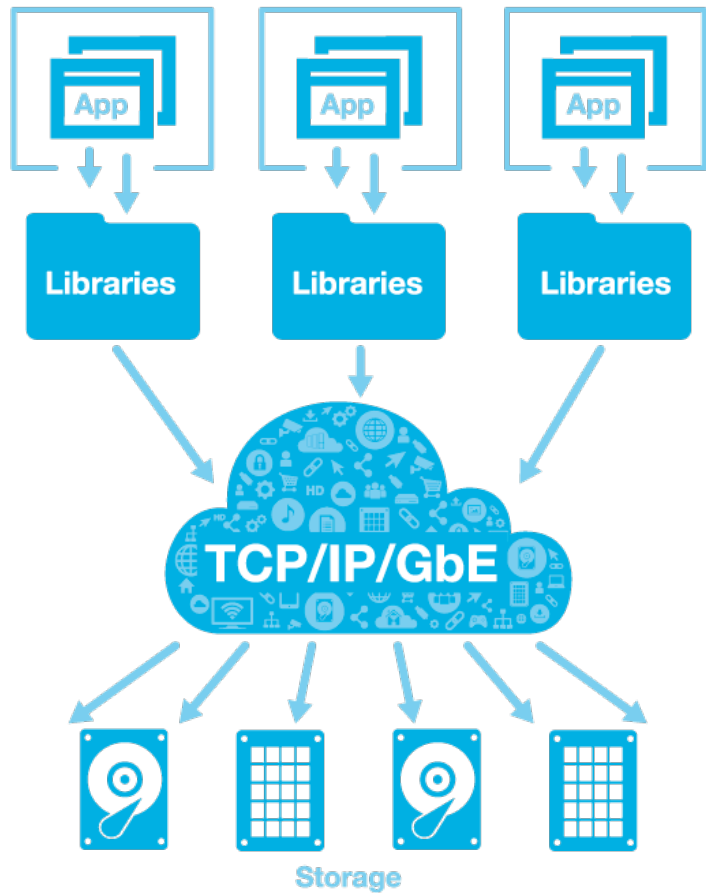
SuperMicro SuperStorage SSG-K1048-RT

Shortens The Stack



SEAGATE KINETIC OPEN STORAGE PLATFORM

Clustering • Management • Reliability



Widens The Options

Focus Areas



- Hardware Interoperability
 - enclosures & manageability
- Qualification & Testing
 - Conformance Test; Smoke Tests; Simulator
- Marketing
 - event outreach, slides
- Specification
 - API definition + libraries (language bindings)

GitHub

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Kinetic / kinetic-protocol

Watch 21

Star 17

Fork 9

63 commits

3 branches

14 releases

6 contributors



Branch: master

kinetic-protocol / +



Merge pull request #27 from Seagate/features/batch-operation

chiaming2000 authored on Jul 15

latest commit 1c522532ab

LICENSES	Update license file to use LGPL 2.1 license.	11 months ago
.gitignore	Initial open-source commit	a year ago
README.md	Update README.md	a year ago
kinetic.proto	Correct typo. The max outstanding batch count is renamed to maxBatchC...	4 months ago

README.md

Overview

Kinetic is a key-value storage system. A Kinetic Device (e.g. a Kinetic Drive or a traditional server running the Java Reference Implementation) stores key-value objects. Kinetic Client applications can

<> Code

Issues 17

Pull requests 1

Pulse

Graphs

HTTPS clone URL

https://github.com/

You can clone with HTTPS or Subversion.

Clone in Desktop

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Kinetic / kinetic-c

Watch 47

Star 11

Fork 15

1,112 commits 7 branches 17 releases 11 contributors

Branch: master kinetic-c / +

Merge pull request #29 from ExaTad/tad/travis-osx-bugfix

icorderi	authored 6 days ago	latest commit 8b9208b9dd
.settings	Added Eclipse project, corresponding Makefile updates, and updated CI...	a year ago
bin	Added bin and obj folders to repo for lib and utility build artifacts	a year ago
build	Added build folder	a year ago
config	Changed version from 0.12.0-beta to 0.12.0 to prepare for new tag/rel...	6 months ago
docs/sequence_diagrams	Fixed/added some links in README.md and DEVELOP.md.	6 months ago
include	Implemented the skeleton of media scan and media optimize.	2 months ago
obj	Added bin and obj folders to repo for lib and utility build artifacts	a year ago
scripts	Refactor generate_version_info script from ruby to shell, so the def...	6 months ago
src	Merge pull request #28 from ExaTad/tad/osx-build-bugfix	6 days ago
test	Implemented the skeleton of media scan and media optimize.	2 months ago

Code

Issues 8

Pull requests 3

Pulse

Graphs

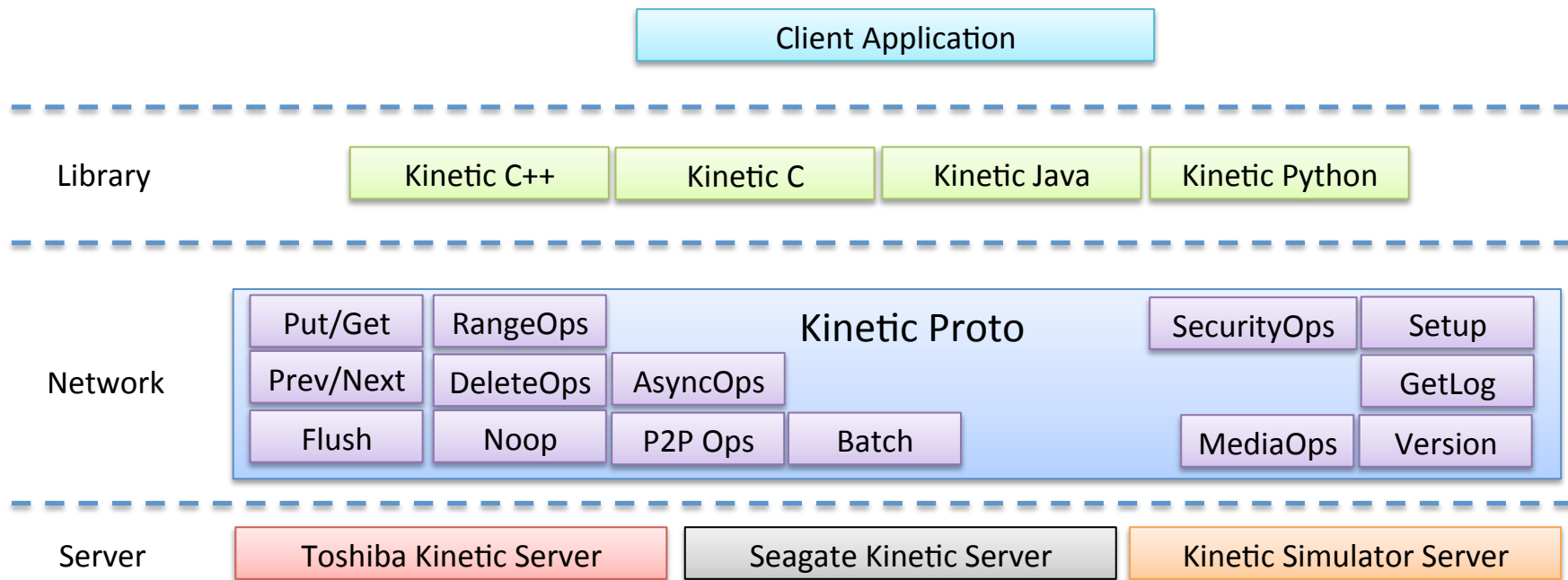
HTTPS clone URL
https://github.com/l

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Kinetic 3.0.6



Find Out More; Join The Discussion

- SNIA Storage Developer Conference BoF
 - **22 September 2015** at the Hyatt Regency Santa Clara
- Open Compute Project (OCP) Engineering Workshop
 - **9 October 2015** at Fidelity in Boston
- OpenStack Summit BoF
 - **28 October 2015** in Tokyo
- 1st Kinetic Open Storage Plugfest
 - **Week of 9 November 2015** in Boston
- USENIX FAST Conference BoF
 - **23 February 2016** in Santa Clara
- Open Compute Project (OCP) US Summit
 - **9 March 2016** in San Jose

<http://www.openkinetic.org>

info@openkinetic.org

References

- http://www.storagereview.com/seagate_kinetic_hdd_announced
- <http://storagemojo.com/2013/11/21/seagates-kinetic-open-storage-vision/>
- http://www.theregister.co.uk/2013/10/23/seagate_terascale_is_first_kinetic_drive/
- <http://storageio blog.com/seagate-kinetic-cloud-object-storage-io-platform/>
- <http://www.crn.com/news/storage/300074756/seagate-kinetic-connects-drives-to-ethernet-for-low-cost-storage.htm>
- http://www.snia.org/sites/default/education/tutorials/2013/spring/file/BrentWelch_Object_Storage_Technology.pdf
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