

Built to Share and Scale

- All-flash architecture provides consistent <1ms latency and up to 300,000 32K IOPS in 3 rack units
- Replace hundreds of white box nodes with a single FlashArray

Always On

- Proven >99.9999% delivered availability and nondisruptive operations keep vital cloud services online
- Redundancy, data protection, and BC/DR features built-in
- Native replication and snapshot features supported in OpenStack

Simple, Automated

- No need to manage tiers, RAID, or encryption. Storage simplicity reduces integration complexity
- Cinder driver, Python Automation Toolkit, and comprehensive REST API simplify storage automation and orchestration

Economical

- Integration and automation toolkits lower the cost and complexity of OpenStack deployment
- Save time, space, power, and cooling in your data center with purpose-built all-flash storage

Supported

- The latest release of the open source cloud software, called Ocata, is the most widely



supported open source software for building public and private clouds

ALL-FLASH STORAGE FOR OPENSTACK

Pure Storage Delivers Performance, Simplicity and Advanced Storage Features for Open Cloud Environments

Your OpenStack deployment will help you capture the value of cloud services, but traditional block storage solutions can limit OpenStack benefits. White box storage nodes are costly to maintain, slow, and extremely complex. Purpose-built storage arrays, even those using flash, can be expensive, difficult to scale, and disrupt cloud services during upgrades and maintenance.



FAST

Pure Storage provides exceptional performance for Cinder and leverages OpenStack tools to accelerate functions like instance creation.



SIMPLE

Pure Storage provides the simplest storage for OpenStack – easy to deploy, easy to use, easy to maintain and scale.



EFFICIENT

Replace hundreds of white box nodes with a single highly-available FlashArray//m.

PURE STORAGE: ALL-FLASH PERFORMANCE FOR OPENSTACK CLOUDS

All-flash storage from Pure increases storage efficiency, simplifies OpenStack deployments, and shortens integration times to improve the ROI of cloud service deployments. A single 3U FlashArray//m can replace up to 160U of white box storage nodes, saving space, money, and IT management effort. Advanced storage features like replication protect your service offerings. Easy to integrate into an OpenStack environment, FlashArray provides the scalability, reliability, simplicity, low cost, and non-disruptive operations required to make your cloud successful.

DEPLOY OPENSTACK FASTER WITH PURE STORAGE



PURE STORAGE CINDER DRIVER

- **Complete Cinder functionality**
- Contributed integration makes Cinder deployment faster
- Create and delete volumes, attach and detach to hosts, create and delete snapshots
- Fully documented and supported, included in core OpenStack (Juno and beyond)



PYTHON AUTOMATION TOOLKIT

- **For custom OpenStack implementation.** Leveraging the Python Automation Toolkit provides access to vital storage features
- Automated snapshot policies, replication, capacity management and monitoring
- Improved monitoring and control tools
- Available at no cost to all Pure customers

COMPREHENSIVE REST API

- **For full customization** and access to 100% of FlashArray's advanced storage features
- Comprehensive, fully documented RESTful API
- Accelerates customized integration for a range of management and orchestration suites
- Included at no cost with every FlashArray

RESTful API
GET PUT POST DELETE



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