



SolidFire Solution Brief

OpenStack block storage built for the most demanding environments

Guaranteed performance, high availability, and unsurpassed scale for your cloud infrastructure

SolidFire Benefits

- Full SolidFire driver is integrated with latest OpenStack software release
- Configuration for production usage in under one minute accelerates time to deployment
- Quality of Service (QoS) guarantees performance to every application in your cloud
- Helix data protection ensures data is available and protected against loss and corruption
- Keep pace with business by adding additional nodes incrementally and non-disruptively
- Full-featured API enables complete automation and improved productivity
- Fully compatible with object storage for integrated backup and restore

OpenStack and SolidFire

To build an OpenStack-powered cloud infrastructure, there is only one choice for block storage. SolidFire delivers the industry's most comprehensive OpenStack block storage integration. Combining this integration with SolidFire's guaranteed performance, high availability, and scale, customers can now confidently host performance-sensitive applications in their OpenStack cloud infrastructure.

OpenStack Block Storage



Architected to provide traditional block-level storage resources to other OpenStack services, Cinder is ideal for applications with performance-sensitive workloads. Different from the Swift object storage service, Cinder presents persistent block-level storage volumes for use with OpenStack Nova compute instances. The Cinder block storage service manages the creation, attachment, and detachment of these volumes between a storage system like SolidFire and different host servers.

Committed to OpenStack

SolidFire was there at the beginning when Cinder became a separate project from Nova, and our first Cinder driver released with OpenStack Folsom in 2012. We have dedicated resources that drive real contributions to the OpenStack community. Unlike other vendors, we do not limit our efforts to basic plug-in architecture development or integrate with a restricted subset of available features. We deliver the industry's most comprehensive support for the Cinder block storage service.

Ecosystem partnerships

Integration and automation across the infrastructure stack is essential for customers to achieve the agility and efficiency promises of OpenStack. Our partnerships with leading OpenStack distributions are in clear recognition of this dynamic, including:

- Red Hat® Enterprise Linux® OpenStack Platform
- Mirantis
- Platform9

SOLIDFIRE FEATURES AVAILABLE IN THE OPENSTACK BLOCK STORAGE (CINDER) SERVICE:

Volume create/delete	Create volume from image
Volume attach/detach	Create volume from volume (clone)
Extend volume	Create image from volume
Snapshot create/delete	Volume migration (host assisted)
List snapshots	Volume Types with Quality of Service
Create volume from snapshot	Replication

What does this mean for you?

If you are building an OpenStack-based cloud you can take comfort in the fact that SolidFire has unsurpassed knowledge of, and integration with, the Cinder block storage service within OpenStack.

There is no better block storage option. For more information or to schedule a demo, visit solidfire.com/openstack