

## Essentials

- Software-Defined Storage platform
- Support for all common cloud platforms
- Extreme performance
- Advanced security features
- Hardware agnostic
- Meet the needs of traditional and next generation applications

BlackStor is the world's first fully cloud-aware & policy-driven Software Defined Storage solution on the market. BlackStor is based on replication standard DRBD - technology proven by more than 15 years of development and hundreds of thousands world-wide production installations.

BlackStor has been designed to meet the highest stability and reliability demands along with extreme and predictable "performance under pressure" - all that with unlimited scaling, deep insight and analytics and many unique features such as compression, multi-tenancy, advanced security and others.

## Benefits

- First cloud-aware storage solution
- Unique policy-driven feature set
- Deep insight, analytics & monitoring
- End-to-end data protection
- Next-gen security features
- Unlimited scaling
- "Always On" architecture
- No downtime planning
- Lower TCO
- Integrated backup & restore
- 24/7 support and tight SLAs

## Security features

- On-disk and over-the-wire encryption
- Integrity assurance
- Secure deletion
- Non-modifiable audit log
- Trusted computing

## Software-Defined Storage

Software-defined infrastructure is driven by the IT industry's need for scalability, infrastructure cost reduction, time-to-market, and lowered maintenance impact.

By combining a software-defined architecture, high-performance system design with hardware flexibility, BlackStor gives you a flexible yet rock-solid storage system with extreme on-the-job delivery and a superior price:performance ratio as compared to other available storage alternatives.

## Cloud-Aware

BlackStor is the first cloud-aware storage solution on the market. It enables its users to seamlessly integrate storage with cloud infrastructure while providing key enabling features. BlackStor is not just a backend: it fully understands your cloud infrastructure by using bi-directional connectors, giving you the ability to control storage policies according to your logical infrastructure needs.

## Bi-directional connectors to



## Features / Specifications

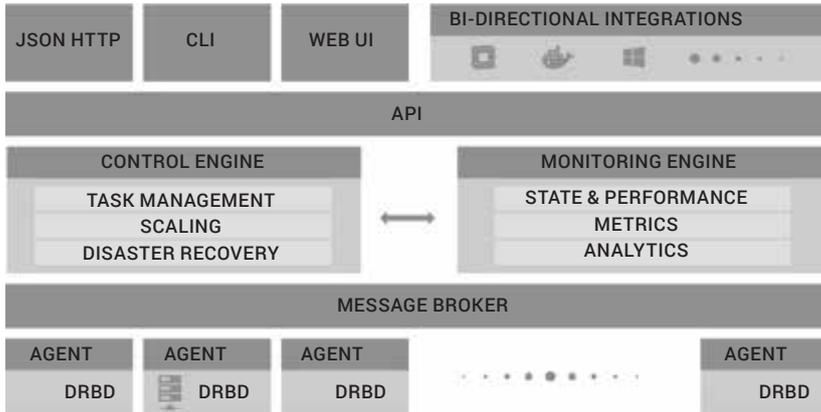
### Customizable policies for

- Replication strategy
- Data placement
- Balance speed & data protection
- QoS, SLA, Backup

- Web management interface
- API command line interface
- Active-active load-balancing
- Horizontal & Vertical Scaling
- Multi-tenant, multi-cloud
- Thin provisioning
- Compression & Deduplication

- High performance transport protocol
- Based on DRBD
- Support for hyper-converged infrastructure
- QoS
- Built-in Backup & Recycle Bin

## Scheme

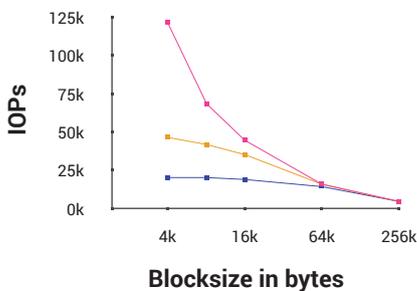


## Our partners

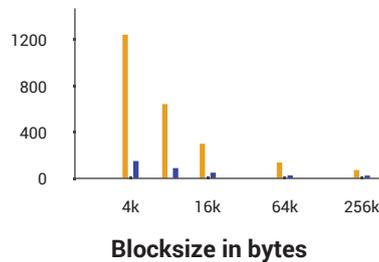
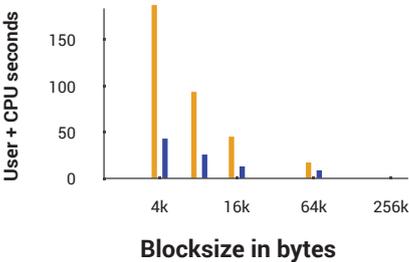
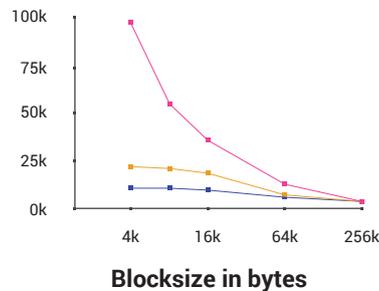


## Performance

### Random read (IOPs)



### Random write (IOPs)



BlackStor provides unbeatable performance by leveraging the latest underlying technologies and effective in-kernel data path. Compared to Ceph, its largest competitor in the OpenStack domain, BlackStor offers more than 20 times higher combined performance & effectiveness while simplifying storage operations and administration without impacting reliability.

## BlackStor vs Ceph

- Ceph
- BlackStor
- local

## Choose the right solution:

### Tier5

Software-defined Data Center based on OpenStack and BlackStor. Get 24/7 supported end-to-end supported IaaS. Available in hosted and on-premise variants.

### Managed Storage

Fully managed storage for your cloud environment. We will assist you with the design, planning and installation and provide 24/7 support. You consume the service - we take care of the rest.

### BlackStor Rack

Leverage our expertise in day-to-day operations and our relations with vendors. Get perfectly tuned configurations for various workloads. You provide space and we deliver BlackStor as a service.

