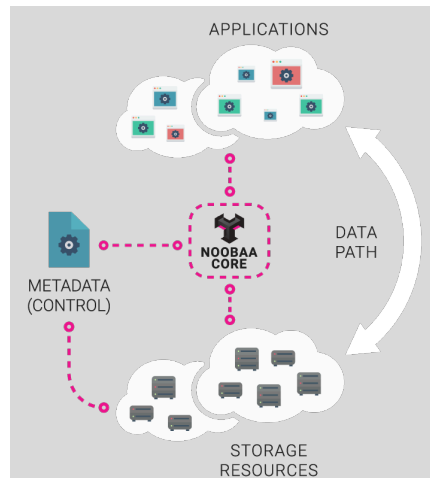


Frictionless Storage for Unstructured Data

NooBaa Community Edition Datasheet

Noobaa applies orchestration and machine learning to give customers unprecedented levels of infrastructure agility and hybrid flexibility. With NooBaa software, customers can implement reliable, scalable storage using virtually any host resource available to the enterprise, located anywhere in the network.

Unique to NooBaa is the ability to support a completely heterogeneous resource environment, including the use of underutilized capacity on shared host resources. This agility and flexibility results in a dramatically easier customer experience, improved business agility to adopt new computing models, and reduced up-front and lifecycle costs.



Fully Hardware Agnostic

NooBaa can utilize any host machine, located anywhere. Hosts can be physical or virtual, large or small, fast or slow, Windows or Linux, and can even be shared with other workloads where host QOS is protected using an elegant resource-sharing algorithm. Heterogeneous capacity resources can be introduced seamlessly, eliminating many of the costs and complexities associated with managing traditional scale-out storage over a multi-year lifecycle. NooBaa can indirectly take advantage of unused capacity in SAN or NAS if that capacity is exposed through a host file-system.

True Hybrid

Unlike other so-called "hybrid" solutions that statically provide cache-to-cloud or DR-to-cloud, NooBaa can arbitrarily consume cloud VMs and cloud storage services alongside private resources for scaling, blending, migration efforts, overflow capability, and DR. Customers may also adopt multi-cloud models, adjusting placement policies to achieve cost goals or to align data with cloud application deployments.

Optimized for Unstructured Data

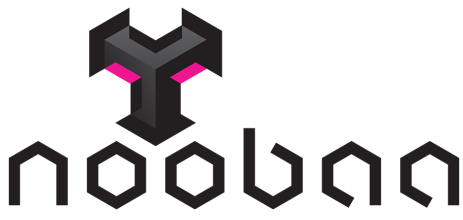
The NooBaa architecture is optimized for files. Data-path design, dedupe capabilities, caching logic, metadata systems, and RESTful semantics are tuned for file applications. Splunk, enterprise archival, and media archival are excellent examples of NooBaa use-cases. Customers seeking SAN or file-system access can utilize various 3rd party gateway solutions.

Automated Intelligence

NooBaa uses machine learning to autonomously classify storage resources, then intelligently direct data placement. NooBaa algorithms can optimize for reliability, capacity utilization, and performance through methods including wide-striping, pre-emptive data localization, and by aligning data IO (aka heat-map) with resource attributes. Customers benefit from autonomous machine learning through a massively simplified administrative experience that eliminates the need for complex administrative tasks such as the configuration of new capacity or the setup and tuning of tiering policies.

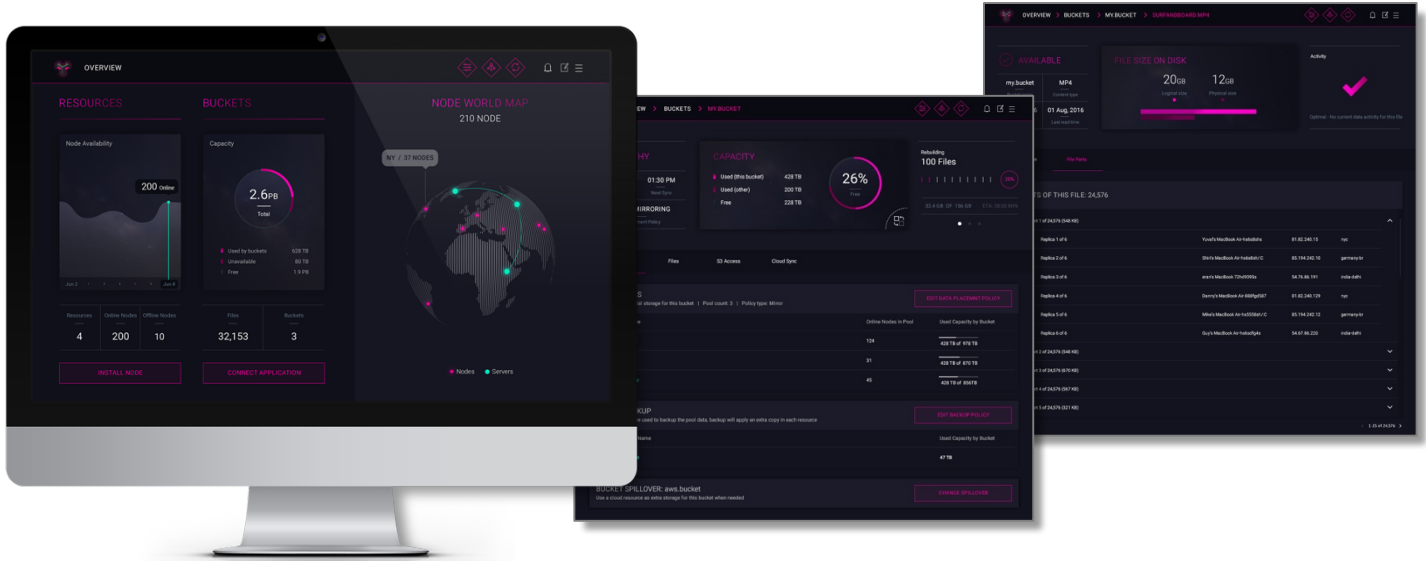
Highlights

- Software-based storage
- 15-minute installation
- Global deduplication with compression
- S3 compatible API
- Support for fully heterogeneous capacity resources
- Use capacity on shared hosts
- Capacity resources can be located anywhere
- Hybrid capability
 - Blend cloud nodes or cloud storage
 - Overflow
 - Disaster protection
 - Migration
- Fully automated optimization
 - Automated tiering
 - Performance
 - Resilience
 - Balancing
 - Localization
 - Economics
- Detects malicious activity
- Encryption of data-path and at rest (AES-256)
- 2-layer data integrity checks
- Unlimited WAN placement options
- Community Edition
 - Free license
 - Unlimited capacity
 - 20TB maximum data stored
 - Unlimited functionality



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NooBaa Community Edition Datasheet



Scalable, Reliable, Secure

NooBaa has been tested to 20,000 nodes in a single cluster, something unachievable by traditional symmetric clustering storage designs. The NooBaa Community Edition also provides reliability through 3-way replication of fragments and wide-area DR. Protection against data corruption is provided via 2-level finger-printing checks. Security is guaranteed through always-on encryption for the data-path and for data-at-rest.

Emulates Amazon S3

The NooBaa Community Edition supports the widely adopted Amazon S3-compatible API and provides RESTful semantics such as WORM data. To manage data, NooBaa provides Buckets, with each bucket accessed using S3-style keys and each can be configured with its own placement policies.

Goodbye to Lock-in

Because the future is unpredictable, NooBaa is committed to enhancing flexibility and reducing lock-in, which reduces IT risk. Customers may elect at any time to change server vendors, change media types, shrink the system, adopt next-generation networking, and implement cloud and ROBO topology changes seamlessly, without the time and technical headaches of traditional storage. NooBaa can even enable its own decommissioning, through a feature called CloudSync, where data is replicated - in its native file format - to an external S3 target such as Amazon.

No-Cost Deployment

NooBaa allows you to deploy using any existing servers including shared hosts with underutilized capacity. This agility gives IT managers instant responsiveness to capacity needs without any budget planning.

15-minute Install

NooBaa can be downloaded (VmWare OVA) and self-installed in 15-minutes at no cost to customers. The NooBaa Core, which includes cluster management, metadata services, and optimization logic, runs reliably in a VmWare environment. Physical or virtual storage resources may be 'recruited' by installing a user-space NooBaa daemon.

About NooBaa

NooBaa is disrupting the unstructured data storage market through a novel architecture with massive customer benefits. NooBaa's Marketing is headquartered in Silicon Valley with R&D based in Israel. Download the NooBaa Community Edition Product or read about our views on storage at www.nooBaa.com