

Nevoa Storage System

Modular Growth, Scalability, and the Benefits of Storage Consolidation

Nevoa Networks offers a powerful virtualization platform that is designed to transparently interoperate with your existing legacy systems. This enables your heterogeneous storage assets to be pooled and managed as a single coherent system. The flexibility and robustness of the platform is complemented by its modular software design, ensuring your storage infrastructure scales as your business demands.



Modular Design

The Nevoa Storage System's innovative architecture allows you to expand multiple attributes of your storage infrastructure on demand. This unique modular scalability allows you to increase capacity or connectivity by simply installing Nevoa StorPort on any host. This capability provides controlled, granular growth and takes advantage of the time value of money.

With the Nevoa Storage System you can independently scale:

- Bandwidth: for improving sequential performance including data transfers, backups, decision support systems, batch processing, and streaming media.
- Connectivity: for aggregating servers and storage to exploit the benefits of a shared storage pool.
- Capacity: for adding heterogeneous storage systems based on application demand. The result is shorter planning horizons and improved business efficiency.
- Manageability: for scaling any of the above attributes without an increase in management complexity.

Consolidation of Heterogeneous Storage Infrastructure

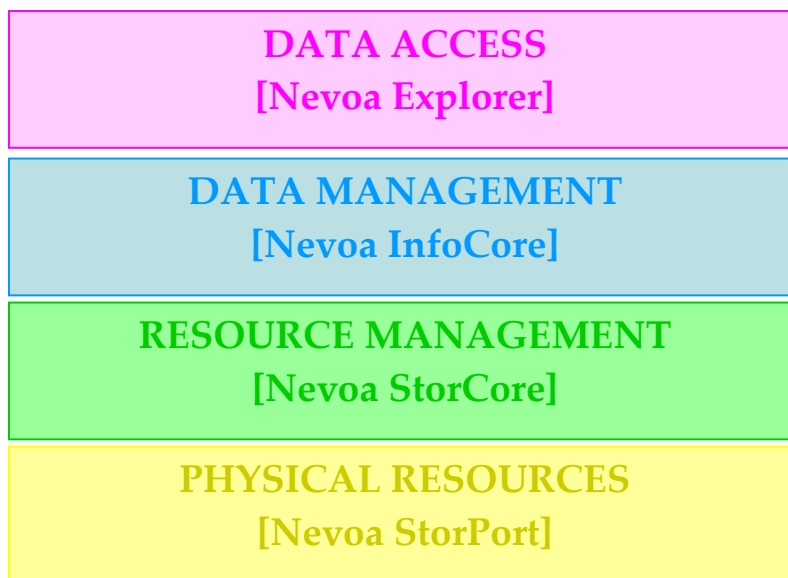
The Nevoa Storage System enhances your existing storage infrastructure by allowing you to consolidate and amortize your storage assets across multiple users and applications. The result is an improved return on investment and future procurement flexibility.

The Nevoa Storage System allows you to manage and configure various RAID structures spanning multiple servers in order to deliver optimal performance and manageability. For example, Nevoa can unite various storage devices to increase the amount of disk spindles that serve a particular application. The result is a significant improvement in transactional performance. For heterogeneous multi-site environments, you can leverage your infrastructure to create

geographically diverse, high availability solutions. In addition, Nevoa Storage System allows you to integrate other technologies such as SATA RAID and existing FC RAID storage solutions, or define your own customized reliability strategies using a mixture of hardware solutions.

In order to ensure simplified administration, the Nevoa StorCore provides a single logical repository for all information collected across your heterogeneous storage environment. The Nevoa StorCore features a secure web-based graphical user interface (GUI). The GUI provides an easy to use interface that simplifies daily operations and allows you to intuitively perform management tasks from a computer or PDA.

Virtualizing Your Resources



Nevoa StorPort

The building block of the Nevoa Storage System, Nevoa StorPort virtualizes all or a part of a host's local storage resource. Nevoa StorPort is a lightweight service that can be installed on dedicated servers, shared servers, workstations, and desktops, allowing administrators to take advantage of idle storage space on a computer system of any size. It exposes this space to the network and enables the node's participation in the Nevoa Storage System.

By using Nevoa StorPort you can include any number of machines, current or future, connected at any point in your company, in your Nevoa Storage System. This is done in a safe way without compromising the security or integrity of your data. With Nevoa StorPort, machines can be quickly and easily reallocated in order to support changes in business processes and data operations without downtime or time consuming host reconfiguration.

With Nevoa StorPort, you acquire a powerful tool that extracts more value from your current IT investment and supports easy, on-demand organization of your storage resources.

Nevoa StorPort is a multi-platform software that integrates seamlessly with Windows, Linux and MacOS X.

Nevoa StorCore

The center piece of the Nevoa Storage System management, Nevoa StorCore provides an unprecedented level of control over virtualized storage and addresses the needs of administrators who are looking for cutting edge and high-economic impact storage solutions.

Scale and Provision

- Scale capacity and connectivity as your business needs demand.
- Consolidate multiple heterogeneous storage subsystems. Manage petabytes as a single system.
- Guarantee performance by eliminating controller and cache hotspots.
- Implement load balancing and component failover with configurable automatic Nevoa StorPort® reallocation policies.

Share and Consolidate

- View, manage, control, and secure all storage subsystems through a single console.
- Allow thousands of servers and users in multiple locations to access a common storage pool.
- Manage third party heterogeneous storage devices as part of an intelligent resource pool.
- Protect your current investment and provide future procurement flexibility.
- Leverage Nevoa's logistical area networking technologies to optimize communication resources and increase performance in geographically distributed environments.
- Implement high-speed data movement between multiple geographically distributed sites at record rates.

Secure Access to Data

- Ensure only authorized users have access to storage pooled resources
- Securely allocate both capacity and performance from a single resource pool.

Nevoa StorCore is a multi-platform software that integrates seamlessly with Windows, Linux and MacOS X.

Nevoa Explorer

Nevoa Explorer allows end-users to easily access and visualize files stored in the virtual disks managed by Nevoa StorCore. Integration with the user's operating system makes the available storage resources transparent extensions of the desktop environment.

The connectivity performance of Nevoa Explorer easily satisfies the most demanding users, sustaining transfers in the gigabits per second range. Nevoa Explorer brings SAN-level performance to the desktop without the need of expensive HBAs, fabric switches, or protocol converters.

Nevoa Storage System's is designed to separate the data references from the actual data, allowing for an external and portable directory structure. Nevoa Explorer takes advantage of this characteristic to further increase data security. The data is striped across the storage resources defined by the system and the resulting data references are committed to a legacy fileservers with Nevoa InfoCore installed or to a Nevoa InfoCore Center. This means that instead of directly accessing files, Nevoa Explorer entrusts their data to the networked storage resources and uses existing directory structures and access policies to manage the corresponding references. Since the Nevoa Storage System is a network-based solution, both the data and references can easily be

hosted in geographically and topologically distinct locations. This introduces a significant obstacle to unauthorized access and prevents direct access to data hosts from resulting in access to the actual data.

By adopting Nevoa Explorer, you acquire a tool that can maximize storage and network infrastructure utilization and protect your company's data from possible violation without having to do any user training or system retooling. Nevoa Explorer is the most intuitive way to browse the contents of your virtualized storage resources managed by the Nevoa Storage System.

Nevoa Explorer is a multi-platform software that integrates seamlessly with Windows, Linux and MacOS X.

Company

Nevoa Networks, founded in 2005, is a company specializing in the development of storage resource management and virtualization solutions. Our mission is to provide our customers with the means to take better advantage of their resources, extracting more value from their current IT investment and improving their data management strategies. Our products and solutions are backed by five years of research and extensive testing in the fields of distributed systems and networked storage. The resulting technologies can be found in the largest research centers of North America and Europe. Nevoa Networks is the first to offer commercial solutions based on these techniques.

Besides our product line, Nevoa Networks also offers consulting services in storage infrastructure design and automated data management. Our advice and expertise can have a significant impact on our customer's data operations. These impacts not only result in more efficient resource usage, but also substantial savings for future purchasing cycles.

Our products and services are designed to ease the deployment of customized solutions based on the specific needs and IT environments of each customer. Nevoa Networks' solutions and services are national references for quality and regard for customer interests.

