

Federator® Software-Defined Storage & Data Services

The Next-Generation Scalable Storage

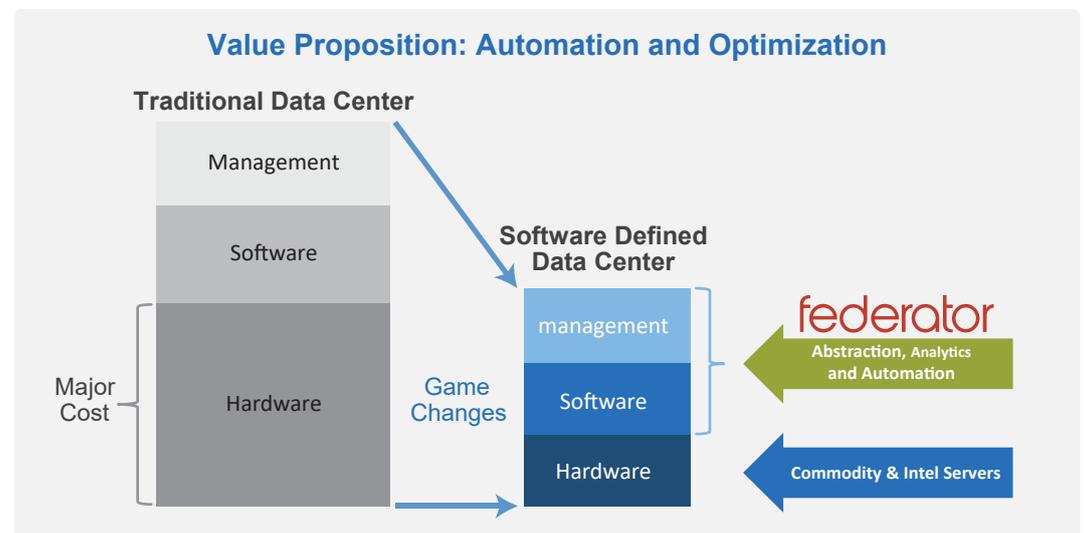
The world is marching relentlessly towards an age where services are offered digitally over the cloud. With the embrace of smart devices as consumers of these services, the velocity and volume of data is set to increase ever more dramatically, requiring businesses to analyze and make sense of this Big Data.

While these technologies represent a huge opportunity for businesses, the legacy architectures still in place holds it back. With data being a central ingredient and much of it stored in silos, scaling and dynamic mobilization of data to workload optimized resources becomes an incredibly expensive process, limiting the agility and ability to seize new opportunities.

Many Software-Defined-Storage (SDS) solutions are being offered today with promises to overcome these challenges but many are merely spot solutions unique to one vendor.

With the new release of Federator SDS, ProphetStor once again raises the bar for other SDS on the market. Using a next generation adapter model, barriers across silos are broken, allowing proprietary arrays and commodity hardware to be centrally, federated, orchestrated and mobilized. Built on an elastic flash optimized architecture, Federator SDS provides intelligent analytics that boosts and delivers consistent performance throughout.

Empowering businesses with a unified approach to storage management, Federator SDS breaks the shackles, enabling businesses to innovate without the cost.



Features & Benefits

Centralized Management: Automatically discover and manage storage from proprietary arrays and commodity hardware to understand the storage architecture through unified view.

Storage Orchestration: Profiles and groups discovered storage into pools based on its characteristics, optimizing delivery of digital services by matching workloads to the right resources.

Data Mobility: Manage the lifecycle of data by moving it to an appropriate storage resource as its importance diminishes or vice versa, all done transparently without the need for downtime.

Continuous Improvements: A simplified and streamlined update system allows for updates that both improve performance and reduce risk to be easily applied and taken advantage of by businesses.

Highlights

- Automatic discovery of storage from proprietary arrays and commodity hardware
- Pool storage for both proprietary and commodity hardware based on profile Thin-Provisioning
- Improvements to throughput and availability using multipathing
- Streamlined and simplified upgrades for continuous improvement
- Integration with Zabbix to monitor performance and SLAs
- Seamless tiering and migration from one storage to another
- Flash optimized architecture optimizes performance without the cost
- Ensure IOPs is available to digital services through traffic prioritization
- Supports open standards, OpenStack and virtually any cloud management platform
- Open REST APIs accelerates delivery and innovation of data services
- Improved user interface for usability and multi language support

Federator Architecture - Stack View

Third-party UI Plugins

OpenStack
Horizon



federator

Presentation Services

Federator Hypermedia RESTful APIs

Policy-based Storage and Data Services Portfolio

Storage

Analytics

Provisioning

Protection

Recovery

Optimization

Storage Services

Scale-up | Scale-out | Scale-any | Block | File | Object | HA | Enclosure | Pool | Volume | VolGroup | Snapshot | Clone | SnapView | Thin Provisioning | Replication | Deduplication | Offering | ...

Management and Orchestration Services

Identity | Resource | Policy | Site | Service | Task | Schedule | Catalog | Search | Prediction ...

Service Integration Plugins

OpenStack | VMware vSphere | Windows | Linux | Ceph | 3rd Party Storage | MongoDB | Kubernetes ...

Standards Based

Open Standards: Support for iSCSI and Fiber Channel open standards for block storage allows for seamless integration to deliver key digital services.

OpenStack Support: With the included Cinder driver, automate and simplify the provisioning of storage from any storage sources in private cloud environments using OpenStack.

Rich REST APIs: Easily integrate with virtually any cloud management platform using the feature rich REST APIs to accelerate delivery of digital services and develop new innovative data services.

SLA Monitoring: With out of the box support for Zabbix, monitor the performance and availability of the system to ensure service levels are never breached.

Intelligent

Flash optimized: Uses Solid State Disks (SSD) intelligently to dynamically create optimized caching policies based on workloads, reducing the total cost of ownership without compromising performance.

Service Prioritization: Take advantage of the traffic modelling engine to ensure the consistent delivery of digital services without any contention to deliver unprecedented user experiences.

Self Service: Develop storage offerings and publish them in service catalogs to deliver storage dynamically as the most appropriate storage resource is automatically identified and provisioned.

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