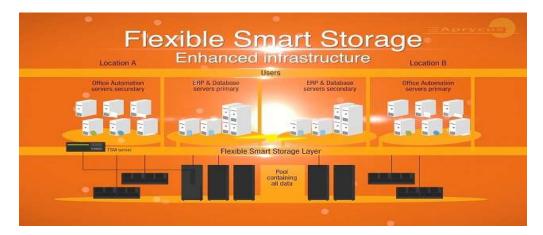# Aprycus Flexible Smart Storage

Enterprise level Software-Defined Storage, Midrange price

The Flexible Smart Storage Solution (FSS) by Aprycus makes Software-Defined Storage affordable. By utilizing existing components, reducing expensive software license fees and adding new midrange components, FSS gives you Enterprise Storage functionality for a midrange price. FSS offers block based, file based and object based storage.

Virtualisation in software

The Flexible Smart Software Layer is at the heart of the FSS enhanced infrastructure. Tasks such as virtualisation, data replication, snapshots and Information Lifecycle Management (ILM) all take place in this software layer, thus removing limitations that would otherwise be imposed by hardware.

20-30% increase in storage utilization

Even if storage capacity is distributed over 2 or 3 datacenters, the FSS software layer treats this capacity as one large storage device. This results in a 70 – 80% storage utilization, as opposed to the 50% in the traditional model where the original dataset is replicated. Compression for data-at-rest increases storage capacity for cold storage. Functionality is built in to make sure that all data remains available in case of a site failure.

No downtime

The FSS software layer allows online dynamic addition, replacement or removal of hardware devices, without any downtime. Even in case of migrating to a new device type there is no downtime.

Investment protection
Flexible Smart Storage has a modular design. Building blocks can be added to your existing datacenter infrastructure, thus protecting your investment.

Reduced Software License fees

FSS has no extra license fees for functions such as data replication and snapshots. These functions are part of the FSS software layer at no charge. Note that many vendors do charge software license fees for these functions, although they may be hidden as part of a total package price.

Smart datacenter netwerk

The Aprycus FSS solution is a combined offering of server and storage systems, software and a flexible smart datacenter network. This network is a 10GB ethernet network, trunking to multiple times 10GB. A range of protocols is supported, such as Converged Networking (iSCSI), CIFS, NFS, HTTP.

Cloud

The FSS solution can be deployed as part of a Public, Hybrid or Private cloud. The OpenStack model is supported.

Midrange price

FSS is a Software-Defined Storage solution that has all the characteristics of Enterprise level Storage. Because of its modular design, midrange components and reduced license fees, pricing is significantly lower in comparison. Ask for a sample calculation for your environment.

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