IBM Storwize V7000 with IBM Spectrum Control



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IBM Storwize V7000 and IBM Spectrum Control





By separating data and the software that manages it from boxes, we make it easier to share data across applications, regardless of where it resides or why it was originally created. IBM is the first company in the industry to extract the intelligence from the hardware with IBM Spectrum Storage and offer clients the complete flexibility to deploy with the physical storage that most cost efficiently meets needs - as software, cloud service, or appliance. This mix of deployment models enables IBM Spectrum Storage software to be deployed on commodity servers for ultimate low cost with the control of on-premises deployment, or consumed as a cloud service for tremendous flexibility, or as a appliance to complement traditional infrastructure deployments.

- IBM ® Storwize V7000 TM is a virtualized, enterpriseclass solution designed for all-flash or hybrid storage, based on the IBM award winning Spectrum Virtualize TM technology It enables you to take advantage of hybrid cloud technology without replacing your current storage. It also helps to quickly deploy hybrid cloud configurations while slashing the potential cost. IBM Storwize V7000 can help you lower capital and operational storage costs, optimize performance with flash and enable seamless connectivity to cloud-based resources through Transparent Cloud Tiering
- IBM® Spectrum Control TM is a comprehensive solution that can significantly improve monitoring, automation and analytics capabilities in multi-vendor storage environments. Storage can be seen from multiple perspectives, including departmental, application and server views. IBM Spectrum Control helps simplify provisioning, tier optimization, performance management and data replication processes

IBM Storwize V7000

- Data virtualization technology helps insulate applications from physical storage. The result can be real cost savings to your business.
- Deploy hybrid configurations faster: Hybrid cloud support enables the use of cloud storage for data copies from more than 400 supported storage systems – speeding hybrid configurations deployment while slashing the potential cost
- Gain high density and high availability: High density enclosures increase the maximum number of drives by almost three times. High availability and load balancing support virtualized servers in highavailability configurations.
- Easy to scale and migrate: Clustered systems can scale both up and out for performance and capacity. Automated storage tiering automatically migrates data between storage tiers based on real-time usage analysis patterns.





IBM Spectrum Storage Suite





























IBM Spectrum Control



- IBM Spectrum Control is a comprehensive, end-to-end data and storage management solution that monitors, automates and analyzes multi-vendor storage environments.
- IBM Spectrum Control helps consolidate management of file, object, flash, block, server-based and software-defined storage.
- IBM Spectrum Control uses analytics to predict future capacity needs.
 Administrators can see, at a glance, when capacity will be needed.
 Buyers can see how much storage will be needed at a particular future date, so acquisitions can be pooled and aligned with business requirements.
- Storage provisioning: IBM Spectrum Control includes optimized interfaces for storage specialists, VMware vCenter users, IBM Cloud Orchestrator environments and open application programming interfaces (APIs).
- Tiered storage optimization: IBM Spectrum Control uses predictive analytics to help organizations optimize storage cost and performance, without manual tuning.

IBM Virtual Storage Center for Storwize

*) Free of charge

Edition Se Ba Control Spectrum

BM

Decouple Licenses for Advanced Functions from Storage Box

Virtual Storage Center Spectrum Control Advanced Edition





Manager



Analytics & **Optimization & Provisioning**



IBM Spectrum **Protect Snapshot**



Licenses for Storwize **Advanced Functions** as perpetual licenses

External Virtualization & FlashCopy & **Remote Mirroring**

IBM Storwize V7000 IBM Virtual Storage Center



The IBM Storwize Management Interface is great ...

- Storage Provisioning
- Alert Monitoring
- Point in Time Performance
- Data Migration
- Snapshots
- Easy Tier (enables Flash storage optimization)

However, Storage Insights uses IBM predictive analytics, to help you optimize storage and data placement

- Predictive Capacity Management
- Tier Optimization Recommendations
- Performance Troubleshooting
- Space Reclamation Opportunities
- Consolidated Application and Departmental Views



IBM Virtual Storage Center for Storwize







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Storwize V7000 / Storwize V50x0 License by External encl. V7000 and V5030	Storwize "Full Bundle" feature code License by External encl.	Base V7000/V50x0 SW PLUS VSC for Storwize
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