Top 10 Reasons Why

VSP One SDS Block Storage

Hybrid Cloud Ready Software-Defined Storage for distributed block applications drives business agility and cost savings

1. **Enterprise class, software first Innovations:**
An SDS architecture fosters agility in storage innovations, unstoppable for data portability by making it programmable across hybrid-cloud distributed block applications. This drives petabyte scale, granular performance, and offers greater adaptability for enterprise customers to stay competitive and nimble.

2. **Investment Protection:**
Designed to utilize commodity x86 hardware, you can avoid costly vendor lock-ins with server manufacturers and lengthy procurement processes, while also benefiting from resource efficiency. Hitachi Universal Replicator (HUR) delivers data replication and disaster recovery for storage from other vendors maximizing your existing storage investments.

3. **Flexible Deployment Options:**
Enterprise customers have full options to deploy their SDS Block applications on-prem as an appliance (bare metal or as hypervisor), as software only or in the public cloud supporting Amazon AWS providing a consistent storage layer across the hybridcloud.

4. **Hybrid Cloud Support:**
With the release of SDS Cloud on AWS, customers can access, monitor, and manage the deployment, performance, capacity, resiliency, and mobility requirements of their distributed block applications. Replication capabilities enable scalable data transfer from on-premises to cloud environments, further strengthening hybrid cloud support.

5. **Containerization and DevOps Productivity:**
DevOps teams can leverage the capabilities of a Software-Defined Storage (SDS) architecture to realize the advantages of implementing a Continuous Integration and Continuous Deployment (CI/CD) methodology. They can tailor storage requirements to match specific capacity, performance, and cost criteria and can scale-up or down to meet business needs. Also, API first integrations for containerized platforms like Kubernetes drives flexibility and agility in provisioning and managing persistent storage.

6. **Extended Data Services:**
Hitachi's proprietary erasure coding technique (HPEC) enhances critical aspects of data protection, such as performance, latency, and storage efficiency, by leveraging a unique patented approach to data and parity distribution in software-defined storage environments. AWS ready Data at Rest Encryption (DARE) keeps data safe from ransomware attackers. Lastly, enterprise grade RAS ensure customers peace of mind with its self-healing capabilities during node failures.

7. **Simplifying Customer Experience:**
Modernize and simplify block storage experience with Hitachi Clear Sight – an automated, fully observable cloudbased monitoring and management software for storage asset inventory anywhere across block, file or object. Also, customers looking for colocation options will have day 1 integrations with Terraform.

8. **Common VSP One Interface:**
SDS block applications benefit from Hitachi Vantara's patented Storage Virtualization Operating System (SVOS) across block applications residing on-prem or in the cloud enabling provisioning, easy data migrations, storage consolidation, and normalizing management tasks resulting in storage OPEX savings in the form of reduction in cost and time to train, implementation, and consumption with common features.

9. **AI Driven Automated Orchestration:**
Hitachi Ops Center Suite including Administrator and Analyzer offers customers an AI driven common orchestration toolset – streamlining administration, optimizing capacity and performance, and automating workflows for predictive decision making. Further, customers have day 1 operation support leveraging either API, CLI, or an embedded GUI. With Hitachi Remote Ops, customers have access to real time analytics of key metrics enabling proactive planning.

10. **Legendary Hitachi Vantara Reliability:**
Downtime is not an option. Customers are assured of 99.999% availability in meeting or exceeding application SLAs irrespective of their deployment choice.

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