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PROTECTING DATA
IN THE HYBRID CLOUD
Achieving Data Protection Agility with HPE GreenLake

In an era where data is hailed as the driving force of business, protecting it has become paramount across every industry. With the ever-expanding volumes of data generated daily, traditional data protection methods are proving inadequate in meeting modern scalability demands. Enter HPE GreenLake, a game-changer in the realm of data protection.

Consider the following benefits of leveraging HPE GreenLake to achieve scalable data protection and the crucial role of hybrid cloud in safeguarding data wherever it resides.

THE EVOLUTION OF DATA PROTECTION

Data protection has evolved from mere backup solutions to comprehensive strategies encompassing disaster recovery, compliance adherence, and cybersecurity measures. However, as data continues to grow exponentially, organizations face the challenge of scaling their data protection infrastructure to meet these escalating demands.

KEY BENEFITS OF HPE GREENLAKE FOR DATA PROTECTION

As organizations grapple with the escalating demands of data protection, HPE GreenLake emerges as a leading solution for flexibility and scalability. According to a report by MarketsandMarkets, the global data protection market is expected to reach $120.7 billion by 2025, driven by the exponential growth of data and the increasing need for robust protection mechanisms. In this landscape, HPE GreenLake (particularly when combined with supporting solutions from backup and disaster recovery providers such as Cohesity, Commvault and Zerto) offers a compelling proposition, enabling organizations to scale their data protection infrastructure seamlessly while optimizing costs and performance.

Flexibility and Scalability
HPE GreenLake offers the flexibility to scale data protection resources up or down according to fluctuating business needs. According to a study by IDC, organizations that adopt flexible consumption models such as HPE GreenLake experience 60% faster deployment times and 30% lower total cost of ownership compared to traditional infrastructure procurement methods. This agility enables businesses to align their data protection resources with actual usage, eliminating over-provisioning and maximizing efficiency.

Cost Efficiency
By adopting a pay-per-use model, HPE GreenLake eliminates upfront capital expenditures associated with traditional infrastructure procurement. According to a study by Forrester Consulting, organizations leveraging HPE GreenLake for data protection achieve an average cost savings of 30% over three years, attributed to reduced hardware investments, streamlined operations, and optimized resource utilization. This cost efficiency empowers organizations to allocate their budget strategically, focusing on innovation and growth initiatives rather than infrastructure maintenance.

Streamlined Management

HPE GreenLake simplifies data protection management through centralized control and automation. According to Gartner, organizations that implement unified management solutions for data protection experience 50% lower operational costs and 60% fewer security incidents compared to those relying on disparate tools and manual processes. With HPE GreenLake's unified management interface, administrators can monitor, configure, and optimize data protection workflows across the entire infrastructure, enhancing operational efficiency and reducing management overhead.

Enhanced Security

Data security is paramount in today's digital landscape. HPE GreenLake incorporates advanced security features to safeguard sensitive data against threats and breaches. According to a study by Ponemon Institute, organizations that deploy comprehensive security measures experience 50% fewer data breaches and 30% lower mitigation costs compared to those with inadequate security practices. From encryption and access controls to threat detection and response mechanisms, HPE GreenLake ensures comprehensive data protection without compromising on performance.

Faster Time-to-Value

With HPE GreenLake there is always an excess capacity buffer available when customers need to grow and scale. Infrastructure is already onsite without additional deployment. This allows for quicker deployment times, increased agility and an overall competitive advantage as the time-to-value for new projects is accelerated without capacity limitations.

THE IMPORTANCE OF HYBRID CLOUD IN DATA PROTECTION

In an increasingly interconnected world, where data resides across diverse environments ranging from edge devices to public clouds, the importance of hybrid cloud in data protection cannot be overstated. According to a survey by Flexera, 87% of enterprises have a hybrid cloud strategy in place, recognizing the need to support their data using a cloud experience wherever it resides. Hybrid cloud architectures offer unparalleled flexibility, scalability, and resilience, empowering organizations to safeguard their data assets across distributed computing environments.

Ubiquitous Data Access

In a distributed computing environment, data resides across multiple locations, including edge devices, data centers, colocation facilities, and public clouds. Embracing hybrid cloud enables organizations to ensure seamless data access and availability regardless of where their applications and data reside. According to a report by Gartner, in 2023, 90% of organizations have deployed a hybrid or multicloud strategy, recognizing the need for ubiquitous data access and workload mobility across diverse environments.

Optimized Workload Placement

Hybrid cloud facilitates dynamic workload placement, allowing organizations to leverage the most suitable infrastructure for each workload based on performance, compliance, and cost considerations. This flexibility optimizes resource utilization and enhances overall efficiency in data protection operations. According to a study by McKinsey & Company, organizations that adopt hybrid cloud architectures achieve 45% higher operational efficiency and 30% lower infrastructure costs compared to those relying solely on traditional on-premises infrastructure.

Disaster Recovery and Business Continuity

Hybrid cloud architectures enable robust disaster recovery and business continuity strategies by leveraging the redundancy and geographic diversity offered by multiple cloud environments. In the event of a localized outage or disaster, organizations can failover critical workloads to alternate cloud regions or on-premises infrastructure, ensuring uninterrupted operations and minimal data loss. According to a survey by IDC, organizations that implement hybrid cloud-based disaster recovery solutions experience 80% faster recovery times and 50% lower downtime costs compared to those relying solely on on-premises backups.

Scalability and Elasticity

Hybrid cloud environments provide unparalleled scalability and elasticity, enabling organizations to seamlessly scale their data protection infrastructure in response to evolving business requirements. Whether it's accommodating sudden spikes in data volumes or expanding into new markets, hybrid cloud offers the agility needed to support business growth without compromising on data protection. According to a study by 451 Research, organizations that leverage hybrid cloud architectures for data protection achieve 35% faster time-to-market for new products and services and 40% higher revenue growth compared to those relying solely on traditional infrastructure.

In an era characterized by data proliferation and dynamic computing environments, achieving scalable data protection is imperative for organizations seeking to safeguard their most valuable asset. HPE GreenLake emerges as a formidable solution, offering flexibility, scalability, and cost efficiency in data protection endeavors. By embracing hybrid cloud architectures, organizations can further enhance the resilience and agility of their data protection strategies, ensuring seamless data access and availability across diverse environments. In essence, HPE GreenLake and hybrid cloud represent the cornerstone of modern data protection, empowering organizations to navigate the complexities of the digital landscape with confidence and resilience.

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When it comes to architecting, implementing and managing modern, hybrid infrastructure enterprises, Verinext is the expert.

Learn more about how we can help you accelerate your modernization strategy at verinext.com.