Hybrid Data Management Approach Automates Primary Storage and Data Protection to, from and in the Cloud

EMC

HOPKINTON, MA — EMC has announced the immediate availability of a broad range of products and solutions designed to seamlessly connect primary storage and data protection systems to private and public clouds. As a result, organizations will be better equipped to take advantage of both the agility and unlimited scalability of public cloud services and the control and security of a private cloud infrastructure.

As IT departments rush to keep pace with the demands of the rapidly changing business, they often rely on both the private cloud — because it is trusted, controlled and reliable — and the public cloud — because of its low cost and near limitless capacity. Cloud-enabled storage and data protection solutions, like those being announced by EMC, empower users to deploy a trusted storage environment where data can be automatically tiered to both public and private clouds.

EMC is extending its out-of-the-box enterprise cloud solutions delivering choice, flexibility and peace-of-mind with easy-to-deploy, easy-to-manage cloud tiering to and from a number of storage platforms.

EMC is also launching a number of new data protection features that provide users with the tools they need to ensure their data is protected wherever it resides, regardless of what might happen.

EMC is integrating new and expanded cloud capabilities across its entire storage and data protection portfolio, including solutions to store and protect data to, from and within the cloud.

- **Tiering Data to/from the Cloud** — EMC’s VMAX and VNX storage platforms deliver simple, automated tiering to and from private and public clouds. EMC is further extending the integration reach of VMAX with enhancements to its FAST.X tiering solution, enabling customers to achieve lower total cost of ownership by automatically tiering to public clouds from both EMC and non-EMC storage. Utilizing EMC CloudArray technology and simply connecting a VMAX to a SAN and a network switch, users can immediately connect the power of the cloud to their data centers and automate the allocation of data to storage targets on-premise and in the cloud, based on their own service level objectives.

  Price-sensitive customers are able to achieve similar functionality on a smaller scale by substituting VNX for VMAX in their infrastructure configuration and adding EMC VPLEX. VPLEX cloud tiering extends intelligent data mobility services to the cloud, enabling VNX to non-disruptively tier data in and out of public and private clouds.

  Both VMAX — with new integrated cloud tiering — and VNX — leveraging new cloud tiering — now offer expanded support for private and public cloud providers. EMC now supports VMware vCloud Air, Microsoft Azure, Amazon S3 and Google Cloud Platform — all while delivering the performance and peace of mind that customers expect from enterprise storage.

- **Protecting Data to/from the Cloud** — CloudBoost 2.0 seamlessly extends customers’ existing EMC data protection solutions, including the Data Protection Suite and Data Domain, to elastic, resilient, scale-out cloud storage, enabling customers to leverage the economic benefits of the public cloud for long-term data retention. CloudBoost now features enhanced overall performance, scalability and manageability, making it even easier for customers to cache data locally and move it to the cloud. CloudBoost offers 3x faster throughput and 15x more data capacity than previous versions. Furthermore, CloudBoost enables deduplication and incremental restores simultaneously, without the need for complex cloud compute infrastructure.

- **Protecting Data in the Cloud** — Spanning by EMC now features enhanced restore and security capabilities along with new regional deployment within the European Union. Spanning Backup for Salesforce delivers enhanced SaaS data restoration capabilities making it easier for customers to quickly and easily restore lost or deleted data. And, Spanning’s new European data destination option helps organizations comply with European data sovereignty laws and regulations.

- **Data Protection as a Service** — EMC service providers and EMC customers who deploy data protection as a Service (DPaaS) in their own private clouds will benefit from new features being introduced into the latest version of the Data Domain operating system DD OS 5.7, including enhanced capacity management, secure multi-tenancy and a dense shelf configuration that dramatically reduces total cost of ownership.

- **Simplified Data Protection Management** — Finally, EMC is announcing the next generation of its NetWorker data protection software. NetWorker 9 introduces a new universal policy engine design that automates and simplifies the data protection process, regardless of where the data resides. Using the policy engine, EMC customers will be able to automate the process of moving protection data through tiers of storage, with protected data stored locally for immediate access and cold data systematically handed off to more cost-efficient cloud targets. Additionally, NetWorker 9 now also integrates with EMC ProtectPoint and delivers integrated block-level protection for Microsoft and Linux environments.
Hybrid Data Management Approach Automates Primary Storage and Data Protection to, from and in the Cloud

Published on Scientific Computing (http://www.scientificcomputing.com)

Extending Data Lakes to the Cloud — Last week, EMC announced [1] EMC CloudPools, a new feature for EMC Isilon that allows customers to extend their cold data to public and private clouds. CloudPools enables Isilon to tier data seamlessly to public clouds, such as those enabled by Amazon Web Services, Microsoft Azure and Virtustream services and private clouds with EMC ECS or a remote Isilon cluster. The tiering happens without the need for a cloud gateway, providing cost-effective, easy and flexible hybrid cloud capability.

"EMC NetWorker with CloudBoost has changed the way that we implement long-term retention of backups. Previously, the most cost-effective tier of storage we used was tape, but that came with its own challenges in the form of handing costs, security and longevity. CloudBoost allows us to unlock elastic, scale-out cloud storage, from a variety of vendors, as a seamless extension of our protection storage network. This saves us time and money — as well as delivering a solution that meets our needs both now and in the future," said Richard Hoare, Technology Manager for Sempre Technologies.

"Businesses need strategically capable partners to help them to evolve and manage their storage strategies, in order to move forward both pragmatically and optimally in a world of spiraling data volumes and demands. With this announcement, EMC is providing customers with solutions that allow them to better protect their current and future investments in storage technologies whether in their own data centers and/or in the cloud," stated Mark Peters, Practice Director & Senior Analyst, Enterprise Strategy Group.

Guy Churchward, President, Core Technologies, EMC adds "Many businesses have seen huge benefits from strategically moving data and workloads to the cloud. However, this often means sacrificing some control over the data. Can you move your data across public clouds? Can you intelligently manage your data through its lifecycle from flash to disk to cloud — and then move it back if you need it? And how do you protect it? Only EMC has the breadth and depth of portfolio to empower customers to take control of their data and achieve the greatest efficiencies."

Source URL (retrieved on 01/08/2016 - 8:29pm):

Links: