Data Dynamics StorageX and NetApp StorageGRID Webscale for Business Archives

The Challenge

The challenge facing every organization is data growth. Unstructured data proliferates across the enterprise: Office files, e-mails, log files, pictures, videos, etc. accumulates in multiple storage silos. Today, organizations are struggling to manage countless volumes of data, containing millions of files, and cost is escalating as unstructured data continues to grow. Isolated data silos that incur expensive support and maintenance fees are very difficult to manage and absorb a disproportionate amount of IT staff time.

To thrive in today's digital economy, enterprises need to find ways to manage large-scale file resources economically and a means of extracting the value contained in the unstructured files to improve business decision making.

First the challenge of large-scale file storage. Storing petabytes of data is a complex problem. It is not uncommon today for a typical enterprise to be managing hundreds of terabytes of data. For the largest organizations, petabytes of data are common. New webscale storage technologies developed to support the world's largest websites (for example, Google, Facebook) are being adopted for use in the enterprise and offer tremendous potential to store petabytes of data economically.

Second, organizations need a means of extracting value from the data to help in the decision-making process. Powerful analytics are needed that can quickly search unstructured files and extract information based on the content and the metadata contained within. New business intelligence applications are emerging that can identify trends and patterns in data that can be used to modify business processes, design new products and services, and otherwise help make the overall organizations smarter and more agile. Analytics can also be used to identify data with little or no value that can be disposed of.

The digital economy is making organizations rethink their approach to data management. Data is no longer a tactical asset to be managed in rigid and isolated storage resources. Today, data is a strategic asset, and it needs to be managed in a dynamic and flexible storage environment. If our aim is better decision making, then the goal is to move data closer to the business decision maker. In effect, organizations must tear down the walls created by traditional storage resources. Data that is moved and stored in new webscale environments offers better scale, better management, and better access for users.

HIGHLIGHTS

- NetApp® StorageGrid Webscale® object-based storage solution with StorageX dynamic file management creates an enterprise-grade business archive.

- StorageX accelerates adoption of StorageGrid Webscale, giving you the ability to rapidly deploy and manage petabytes of archive storage.

- Using StorageX, analyze storage resources and identify files for archival. Convert files to Amazon S3–compatible object format and move objects directly into StorageGrid Webscale.

- StorageX custom tagging complements the StorageGrid Webscale metadata-driven policy engine to optimize data availability, performance, geo-distribution, retention, protection, search, and analytics.

- Access objects directly in StorageGrid Webscale using any S3-compatible browser or from custom applications using the StorageX software developer's kit and API.
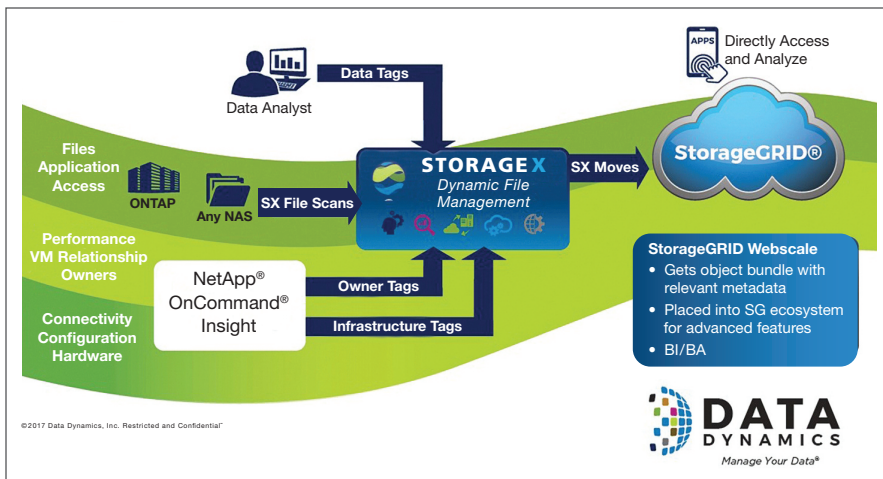
DIAGRAM 1: COMBINED BUSINESS VALUE.

The Solution

The StorageX dynamic file management platform empowers you to analyze, move, manage, and modernize your data where you need it and when you need it, from your data center to the cloud. StorageX is built using industry standards and operates completely out of the data path, freeing your data from technology lock-in, complexity, and risk. Enterprises that are consolidating data centers and modernizing legacy applications rely on StorageX, the most trusted name in file management.

The StorageX integrated analytics empower you to deeply explore your managed storage resources based on name, location, creation, last access, attributes, and SID. Customer tags and meta information are added to increase business value. Analytics directly feed automated policy workflows for phased migration, archival migration, file to object conversion, and more.

Using StorageX, analyze your existing storage resources and identify files for archival based on file size, type, owner, last access, and more. Convert files to S3-compatible object format and add custom tags and metadata to aid in file lifecycle management. Move new file objects directly into StorageGrid Webscale using StorageX.

Access file objects directly in StorageGrid Webscale using the StorageX web-based Retrieval Portal. You may also access objects directly using any S3-compatible browser, or you can access files directly from applications using the StorageX software developer's kit and API.

Deploying NetApp StorageGrid Webscale object-based storage solutions with StorageX dynamic file management accelerates adoption of StorageGrid Webscale and empowers business insight and analytics applications.

SOLUTION COMPONENTS

NetApp StorageGRID Webscale

NetApp StorageGRID Webscale is a software-defined object-based storage solution that provides intelligent policy-driven data management. The ability to manage data while optimizing durability, protection, performance, and even physical placement across multiple geographies is key to meeting business requirements while reducing costs. StorageGRID Webscale provides industry-leading Amazon S3 API compatibility with advanced Amazon S3 features, including object versioning, multipart upload, and AWS identity and access management–styled access policies.

Data Dynamics StorageX

StorageX from Data Dynamics Inc. is the solution of choice to analyze your file data, perform data analytics and data tagging, and move and manage data to NetApp StorageGRID Webscale object-based storage. StorageX automates data discovery, policy-based movement and management for migration, consolidation, tiering and archiving of unstructured data in large-scale file storage environments. StorageX maximizes the value of data to business and minimizes risk, user downtime, cutover windows, and other disruptions related to file archiving.

ABOUT DATA DYNAMICS INC.

Data Dynamics is a leader in intelligent file management solutions that empower enterprises to seamlessly analyze, move, manage and modernize critical data across hybrid, cloud and object-based storage infrastructures for true business transformation. For more information, please visit: www.datadynamicsinc.com

ABOUT NETAPP

NetApp is the data authority for hybrid cloud. We provide a full range of hybrid cloud data services that simplify management of applications and data across cloud and on-premises environments to accelerate digital transformation. Together with our partners, we empower global organizations to unleash the full potential of their data to expand customer touchpoints, foster greater innovation and optimize their operations. For more information, visit www.netapp.com. #DataDriven