



DataGravity Discovery Series

UNLOCK THE VALUE OF YOUR DATA WITH DATA-AWARE STORAGE



Benefits of Data-Aware Storage

Reduce the risks to your business

- Find and preempt sensitive data loss
- Assess risk exposure and audit data usage
- Support compliance reporting

Enable data insights and greater productivity

- Easily find valuable data and content assets
- Identify key experts, collaborators, and content creators
- Know who and how your data is being used

Gain operational efficiency and visibility

- Reduce storage footprint and data growth
- Rapidly protect and recover data
- Reduce layered software overhead and costs

“DataGravity is different - it doesn’t just store your files, it helps you understand what’s in your data and if you have any sensitive information exposure.”

Jaision Bailey
Senior Systems Engineer,
CENTRIA

WE LIVE IN A DATA-DRIVEN WORLD, YET STRUGGLE TO MANAGE AND USE OUR DATA.

With no slowdown in data growth and daily headlines reporting security threats, organizations are facing new challenges to effectively store, protect, and secure their data.

Not knowing what data you have, and who, when, and how your data is being accessed, is increasingly risky. And frankly, leaving all your data in the dark doesn’t drive better business decisions, effectively leverage your high value data, or reduce the overhead and cost of all that data you are storing...

It’s time for data storage to become an asset, not a liability.

It’s time for data-aware storage.

THE DATAGRAVITY DISCOVERY SERIES

The DataGravity Discovery Series is the industry’s first data-aware storage platform, an innovative new storage solution that fundamentally transforms traditional approaches to storage, protection, security, governance, and discovery.

Based on a patented software architecture, Discovery Series systems not only serve and protect your data more efficiently, but also help you to fully understand your data.

By tracking access and analyzing data as it is stored, DataGravity helps you to not only secure your data against theft and misuse, but also streamline data management, and extract greater business value from the data you are storing.

Achieve a 360° view of your data with DataGravity data-aware storage.

Put files on.



Get insights out.



DATA PROTECTION
& RECOVERY



STORAGE & DATA
MANAGEMENT



GOVERNANCE, RISK
& COMPLIANCE

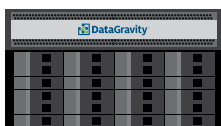


SEARCH &
DISCOVERY

THE DATAGRAVITY ARCHITECTURE

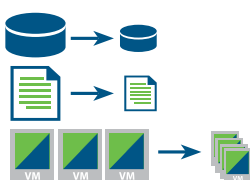
Powered by the DataGravity Engine, the Discovery Series is a state-of-the-art primary storage platform that also automatically protects and analyzes data as it is created, without impacting production.

1



At its core, the DataGravity Discovery Series system is a flash-optimized primary storage system designed for high performance and availability for NAS, iSCSI, and VM-aware workloads.

2



Data is in-line compressed and target deduplicated prior to writing the data to a RAID-protected pool of virtualized storage.

3



Based on a redundant design, the Discovery Series harvests the write IO stream as it is mirrored for failover to the Intelligence node, protecting the data in a space-efficient, change-based DataGravity DiscoveryPoint.

4



DiscoveryPoints are stored on a pool of disks isolated from the production data, with no impact on production IO, and without a backup window. DiscoveryPoint catalogs track file-level changes making it easy to find and instantly recover individual files, file systems, virtual machines, and datastores.

5



User access and activities are also tracked as part of DiscoveryPoints, extending beyond protection to enable data intelligence. DiscoveryPoints are fully accessible for instant recovery, analysis and queries, with no impact on production operations.

6



Data is analyzed by the DataGravity Engine. Files within the system are full-text indexed for file metadata and content for over 400 unstructured file types and both pre-defined and custom tags. Content and files are correlated to people, time, and activities.

7



Using the DataGravity user interface, IT professionals, audit/compliance users and line-of-business users can simply 'click and drill' to search, navigate and discover new insights within their data.

The Discovery Series provides access to insights previously concealed in your data

Incredibly Simple Deployment

Use any file sharing protocol to migrate data onto the array for instant analytics

Visibility into Your Unstructured Data

Insightful understanding of your data correlated across people, time, and content

Timely Intelligence and Insights

Data analytics at the point of storage

No Impact on Production Performance

The DataGravity Engine provides insights without slowing down your environment

Built-in, Not Added-on

Enjoy software that works out of the box, no additional integration work required

Affordability

Complete hardware and software with no additional licensing fees

Data-Aware Platform

Integrated system combines enterprise-class storage, data security, protection and search



Enhanced Security and Governance

Discovery Series systems identify and surface sensitive data, and track users' data access to preempt data loss, simplify audit reporting and assess the impact of a breach more quickly.

DEFINE, DETECT AND DEFEND YOUR SENSITIVE DATA

Most companies suffer from a fundamental lack of knowledge and insight about their data: what they have, where it is, and who is accessing it. Without this basic knowledge, you and your organization are left completely blind and exposed.

Preventing data loss requires you to become data-aware, to proactively find and secure your sensitive and confidential data before carelessness or a malicious act puts your data at risk.

The Discovery Series automatically identifies, monitors and alerts you of sensitive and confidential files found within the

data it stores, according to characteristics that you define. DataGravity tracks and records data access, recording a history of who and when your data is accessed that you can query and analyze. Both administrator and user audit trails and access trends are maintained for files and users throughout the system, to quickly identify unauthorized data access and irregular access patterns.

Easily perform risk analysis to understand where your sensitive data lives, if it has been exposed, and if so, how broadly.

Identify Sensitive Data Across All Your Unstructured Data

Monitor data for credit card numbers, social security numbers and other sensitive information using built-in and customized tags

Monitor Unusual User Activity

Review audit trails to know which users are creating, reading, and writing which files

Assess Breach Impact More Quickly

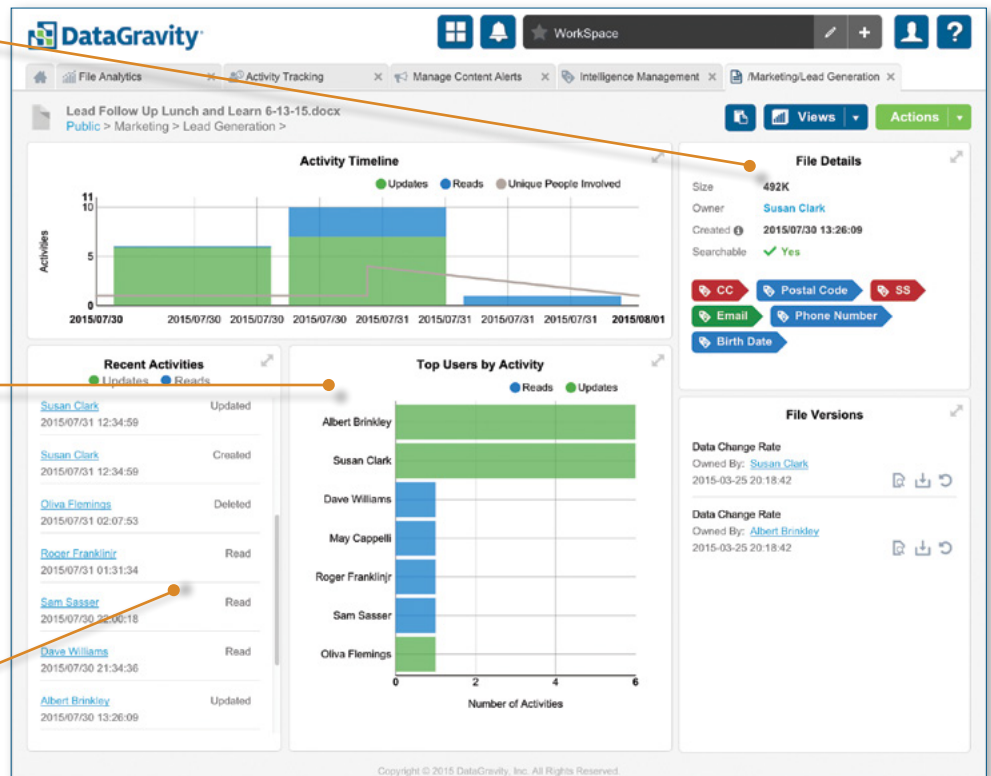
See the full access history of any user or file across any custom date range

Preempt Sensitive Data Loss

Identify which unsecured files contain sensitive data so you can protect them

Be Alerted When Exposure Occurs

Build custom, proactive alerting policies so you are informed when data is exposed



For each file in the system, a File Summary dashboard details what sensitive data is contained within the file, who has accessed it and when.

Simplify Audit Reporting

Export a list of violations including detailed user access reports for each file

Quickly Recover from Malicious Activities

Quickly find and restore data lost due to breaches, malware, or malicious users



Integrated Search and Discovery

DataGravity provides a 360 degree view of your data by making your data fully searchable, including information about people and time; who is creating, modifying and reading the information and when.

EXTRACT MORE BUSINESS VALUE

To be data-aware means to be able to find the data you need, when you need it. DataGravity analytics extend well beyond classic storage solutions to look inside your unstructured data and make it fully searchable. Using keyword searches, faceted filtering and data visualizations, users throughout the organization can easily search, navigate and discover content and insights relevant to their jobs, projects, and initiatives.

Search results can be filtered by key attributes to quickly identify and refine data subsets of interest. By correlating user access across files on a given topic, DataGravity allows users to identify subject matter experts and collaboration patterns from across the organization.

Interact with your unstructured data like never before with DataGravity advanced visualization and discovery tools.

Extract Greater Value from Stored Assets

Automatically transform your unstructured data into a corporate knowledge base

Accelerate Projects and Productivity

Enhance collaboration and organizational learning with ready access to key content

Find Relevant and Lost Content Quickly

Simply search and filter content by keyword, file size and type, timeframe and owners, readers and writers

The screenshot shows the DataGravity search interface. At the top, there's a search bar with filters for 'project AND woodstock', 'Past Year', 'H Conf', and 'Engineering'. The search results are displayed in a list view, showing files like 'Project Woodstock Design Doc V1.7.docx' and 'Project Woodstock.mpp'. A preview window is open for the 'Project Woodstock Design Doc V1.7.docx' file, showing its content and metadata.

Discover In-house Experts and Collaborators

Use relationship and expertise maps to discover in-house resources

Put Your Hands on the Right File Fast

Preview files of over 400 file formats, then simply access or download the asset you need

Through the Search interface, you can search for keywords and tags within specific data sets and timeframes to quickly find relevant data to meet your needs.

Identify Key Organizational Trends

Visualize content development and collaboration trends over time, across people

Mine Organizational Knowledge More Efficiently

Simplify content discovery and reduce duplicated efforts and re-work



Rapid Data Recovery and Zero-Impact Protection

DataGravity DiscoveryPoint protection combines the speed and simplicity of a snapshot, and the fault isolation, change visibility and restore granularity of a backup.

SIMPLY PROTECT, RAPIDLY RECOVER

Data-aware recovery and protection means rapid restore times with minimal effort, no matter whether it's a tiny file, massive file share, or virtual machine. Your protection and recovery workflows are easy with DataGravity DiscoveryPoints, a key innovation that optimally stores your recovery copies on an independent pool of isolated disks, according to schedules that you define.

Protect Data Without Impacting Production

Automatically create DiscoveryPoints without a backup window

Meet Service Levels with Minimal Overhead

Flexibly schedule DiscoveryPoints, based on time, data change rate % or absolute data volume change

Easily Find the Data You Need

Navigate and search rich catalogs by user, time, and filename to preview file versions and find the right file

Instantly Recover Lost, Deleted and Corrupted Data

Instantly restore and immediately access recovered items, with the click of a button

Protect Locally to Optimized Target

Store compressed, deduplicated DiscoveryPoints on a fault-isolated pool of disks

Save Time By Empowering End Users

Enable end users to find, preview, download, and recover their own data

The image displays two screenshots of the DataGravity web interface. The top screenshot shows the 'DiscoveryPoints' section with a table listing various points. The bottom screenshot shows the 'Deleted Files (75,369)' section with a table of deleted files.

Type	Status	Create Time	Description	Files
Hourly	✓	2015/08/06 00:21:53		2
Manual	✓	2015/08/05 23:04:41		4
Data Change Rate	✓	2015/08/05 22:45:03		168
Hourly	✓	2015/08/05 22:21:53		1
Data Change Rate	✓	2015/08/05 22:13:14		34
Manual	✓	2015/08/05 22:03:50		2

Timestamp	File Name	User
2015-08-02 10:50:06	/Engineering/CAD files/H_02500_HCSW-UNC_04250.dwg	George Seward
2015-07-30 21:13:01	/Engineering/CAD files/IN_03750_HBLP-##_24000.dwg	George Seward

DiscoveryPoints store changes to all files, virtual machines and LUNs in searchable catalogs, making it easy to find and recover the version you need, even if the file has been deleted.

Overcome Virtualized Data Recovery Headaches

Remove guesswork, trial and error with simple VM-aware workflows

Recover Only the Data That You Want

Rapidly restore at any granularity: files, files within a VM, or an entire VM, LUN or file system



State-of-the-Art Primary Storage

DataGravity is powered by a state-of-the-art, flash-optimized primary storage array with fully integrated security, protection, search, and discovery. Built-in file analytics allow you to understand your data more fully, including storage trends, dormant data, and most active users.

RESOLVE THE MYSTERY OF YOUR DARK DATA

The Discovery Series system is not only a state-of-the-art storage system but also includes advanced file analytics that enable IT administrators to fully understand their data and its demographics. For each mount point, DataGravity provides a comprehensive dashboard showing storage trends, most active

users and dormant data to help administrators streamline data management and rein in storage growth. Simply click and drill for more details, understand data characteristics, and preview files. Search and filter your data sets by user, content, and time to identify specific data subsets of interest.

Gain Control of All Your Unstructured Data

Simply integrate, migrate, and access using SMB, NFS, and iSCSI protocols, and VM-aware datastores, in VMware, Windows and Linux environments.

Automate Provisioning and Administration

Automate administration with auto-configured pools, virtualized data layouts and fast provisioning

Dramatically Reduce Your Data's Footprint

Optimize capacity use with inline data compression, targeted deduplication and thin provisioning

Know Who and How Your Storage is Being Used

View and analyze access patterns, active and prolific users, and content demographics



Identify Dormant Data

Analyze, report and take action on unused content

Enforce Retention and Deletion Policies

Make informed decisions on what to retain, archive, or delete

Overcome Forecasting and Sizing Headaches

Dynamically expand primary and intelligence pools on demand



The Discovery Series is a high performance, multi-core design built on an enterprise-proven platform. Availability is assured with full redundancy and failover, dual parity RAID, end-to-end data integrity checks, log forwarding, monitoring and alerting. The Discovery Series comes in 18TB*, 48TB* and 96TB* configurations.

*Raw storage capacity. 1 TB means one trillion bytes.

UNLOCK THE VALUE OF YOUR DATA

Why DataGravity?


We live in a data-driven world, and companies everywhere are struggling to manage their growing unstructured information assets.

The DataGravity mission is to unlock the value embedded in this information. We believe that storage should do more than just store data. Storage should be a business asset – not just a data repository.

The DataGravity Discovery Series is the only data-aware storage solution that lets you store, protect, govern and analyze data in a unified platform.

DataGravity is committed to your success with our pioneering approach to holistic data management. By building a customer-centric organization and support infrastructure, we put our customers first, and strive to ensure high reliability and uptime, and rapid resolution of your issues.

With DataGravity, you'll be able to measure business value contained within your data as a key metric. Users across your organization can better understand and extract the full value of their data, and you'll gain greater efficiency, reduce your business risks, and increase productivity.



With DataGravity, IT administrators, governance professionals, and line-of-business end users achieve a 360° view of data for greater efficiency, reduced risks, and increased productivity.

“DataGravity has the ability to not only replace our current storage vendor, but also enhance how we run our law practice by providing insights into data we couldn’t easily search before.”

Chris Berube
IT Manager
Law Offices of Joe Bornstein

Contact us

To learn more about how DataGravity products, services, and solutions can help you unlock the value of your data, contact DataGravity at:



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