Unleash The Full Potential Of Your Dell Platform To Optimize Your Data And AI Pipelines.

Diskover Provides SmartPools Telemetry Data And Searchable Snapshots.

Diskover

AND

DELLTechnologies

Why Your SmartPools Need Diskover.
Structure the unstructured.

Put A Price Tag On Your Digital Assets.

1 Diskover unlocks the full potential of PowerScale data.

PowerScale attributes have tremendous untapped value. Diskover provides users with immediate showback/chargeback information, allowing granular visibility and full control of their digital assets.

2 Save now.

Diskover provides detailed reports on data distribution across each tier within a SmartPools environment, providing the visibility necessary to accurately set SmartPools policies.

3 Tremendous long-term savings.

Use granular automations to properly tier your data combined with ongoing data hygiene while catching data spawning out-of-control.

Stop Guessing and Get Real Metadata out of your Data

‣ Diskover indexes basic and business-context metadata from several platforms, in addition to the numerous SmartPools attributes, so you can base your decisions and strategies on solid facts.

Granular Reporting, Chargeback, Showback

‣ Diskover reports on how much data is on each tier within SmartPools globally to individual file level attributes, alongside several other metrics.

Managing Policies for Storage Optimization

‣ PowerScale doesn't provide a native way for customers to know how to set age-based policies to optimize their storage utilization. If the guesstimation is wrong and policies have to be modified, rerunning SmartPools can take days.

‣ Diskover provides detailed reports on data distribution across each tier within a SmartPools environment, providing the visibility necessary to accurately set SmartPools policies.
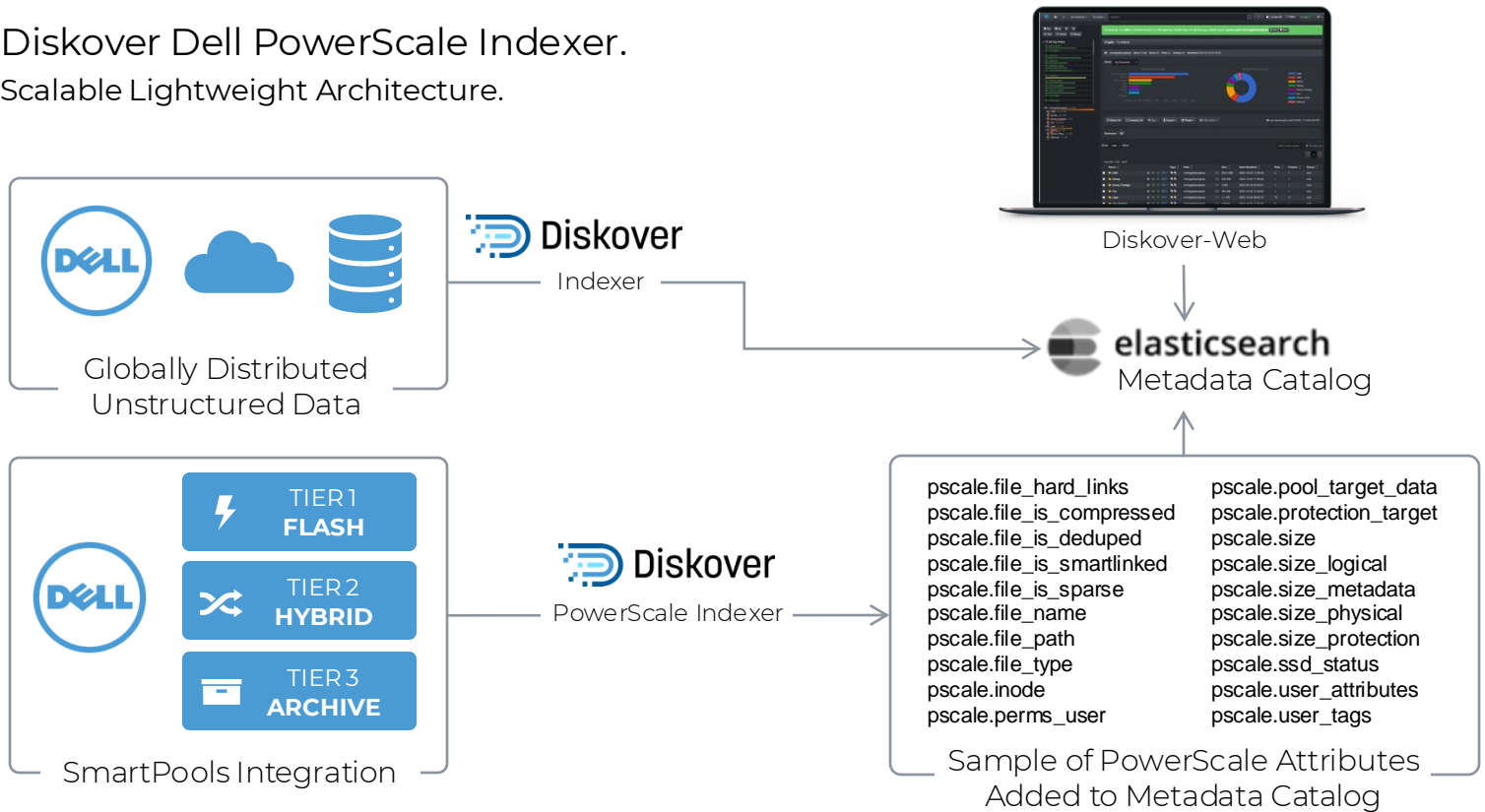
Know Exactly What You Need to Expand Your NodePools

‣ Get all the knowledge you need to make informed decisions, from what you currently have to what you need to expand, whether you are adding to your current tiers or have a single NodePool and want to start tiering.
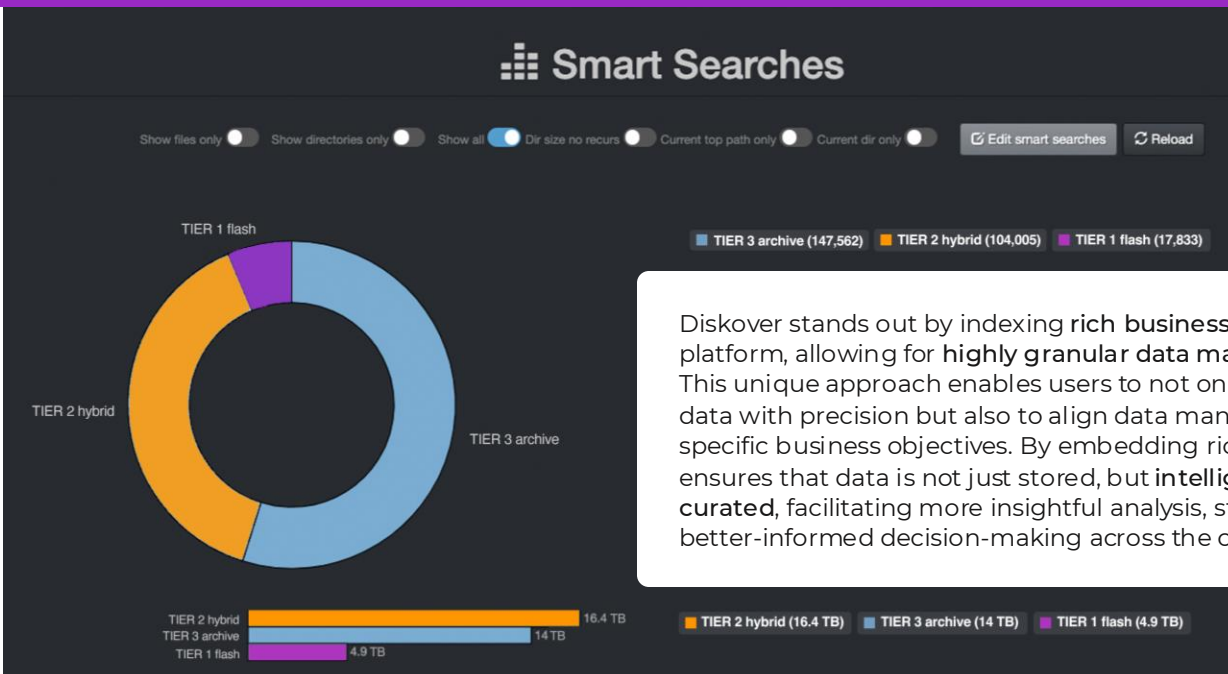
The Untapped Power Of SmartPools Metadata.

Your data exactly where and when you need it.

Diskover indexes dozens of SmartPools attributes, making them searchable, reportable, and easily integrated into granular data demotion and promotion workflows.

Diskover Dell PowerScale Indexer.
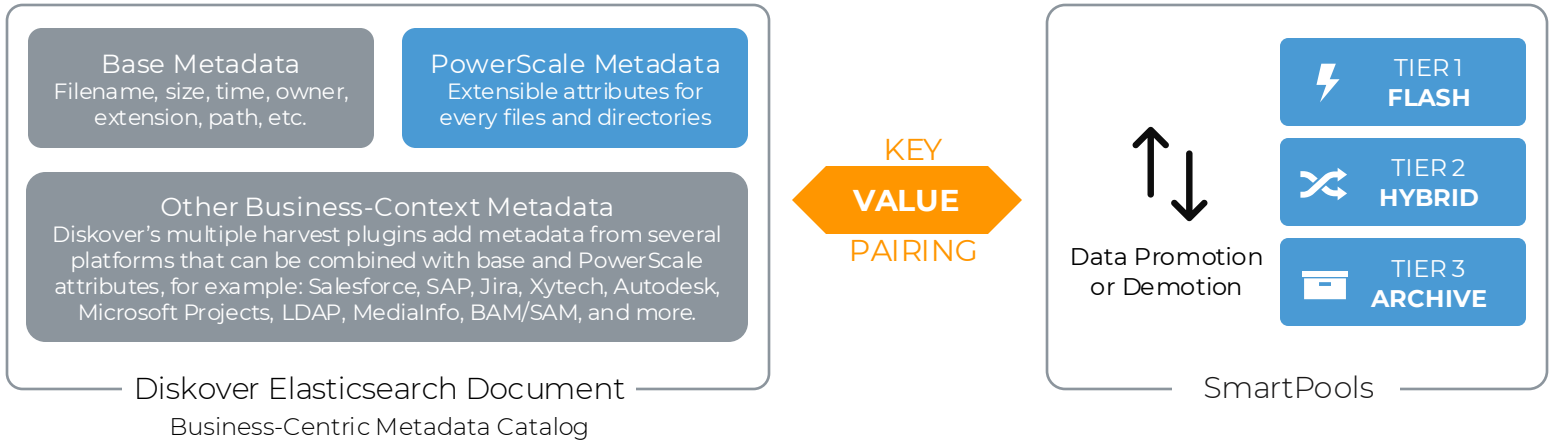### Scalable Lightweight Architecture.

Diskover-Web

Diskover
Indexer

elasticsearch
Metadata Catalog

DELL ☁ 🗄

Globally Distributed
Unstructured Data

| TIER 1 **FLASH** |
| TIER 2 **HYBRID** |
| TIER 3 **ARCHIVE** |

SmartPools Integration

Diskover
PowerScale Indexer

pscale.file_hard_links   pscale.pool_target_data
pscale.file_is_compressed   pscale.protection_target
pscale.file_is_deduped   pscale.size
pscale.file_is_smartlinked   pscale.size_logical
pscale.file_is_sparse   pscale.size_metadata
pscale.file_name   pscale.size_physical
pscale.file_path   pscale.size_protection
pscale.file_type   pscale.ssd_status
pscale.inode   pscale.user_attributes
pscale.perms_user   pscale.user_tags

Sample of PowerScale Attributes
Added to Metadata Catalog

Powerful Analytics | Ask Your Metadata About Your Data.

Smart Searches

Show files only ⬤   Show directories only ⬤   Show all ⬤   Dir size no recurs ⬤   Current top path only ⬤   Current dir only ⬤   [Edit smart searches] [Reload]

TIER 1 flash

■ TIER 3 archive (147,562)   ■ TIER 2 hybrid (104,005)   ■ TIER 1 flash (17,833)

TIER 2 hybrid

TIER 3 archive

Diskover stands out by indexing **rich business context metadata** into its platform, allowing for **highly granular data management and curation**. This unique approach enables users to not only track and organize their data with precision but also to align data management practices with specific business objectives. By embedding rich metadata, Diskover ensures that data is not just stored, but **intelligently categorized and curated**, facilitating more insightful analysis, streamlined workflows, and better-informed decision-making across the organization.

TIER 2 hybrid   16.4 TB
TIER 3 archive   14 TB
TIER 1 flash   4.9 TB

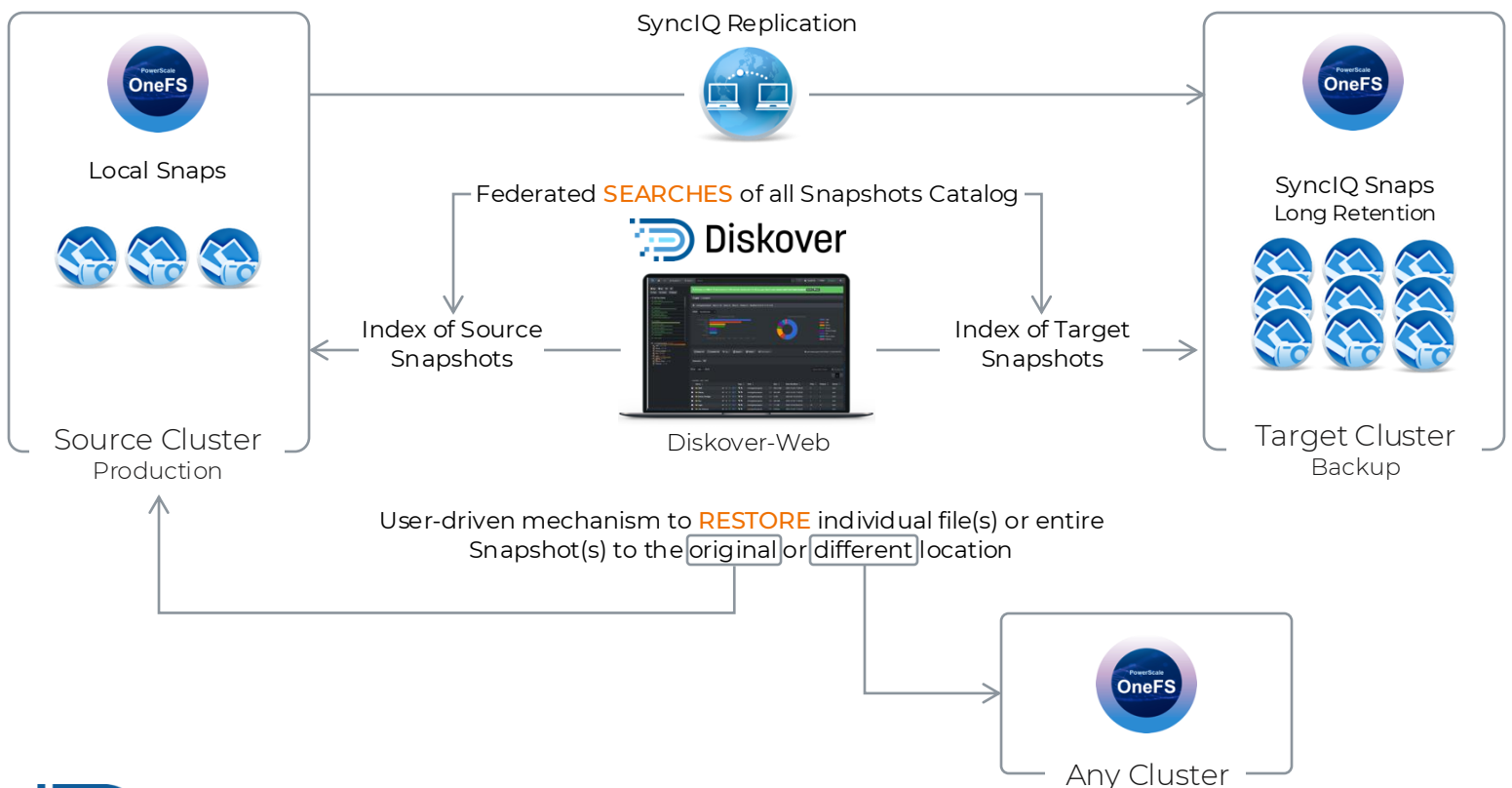■ TIER 2 hybrid (16.4 TB)   ■ TIER 3 archive (14 TB)   ■ TIER 1 flash (4.9 TB)

Maximized PowerScale Efficiency Via Extensible Data Catalog.

Unlock the potential of the business-centric PowerScale Data Catalog, equipped with extensible meta-attributes for every file and folder, enabling precise data promotion and demotion exactly where needed. Diskover, harvest rich metadata from multiple other platforms to enhance your data curation and management capabilities.

Base Metadata
Filename, size, time, owner, extension, path, etc.

PowerScale Metadata
Extensible attributes for every files and directories

Other Business-Context Metadata
Diskover's multiple harvest plugins add metadata from several platforms that can be combined with base and PowerScale attributes, for example: Salesforce, SAP, Jira, Xytech, Autodesk, Microsoft Projects, LDAP, MediaInfo, BAM/SAM, and more.

Diskover Elasticsearch Document
Business-Centric Metadata Catalog

KEY **VALUE** PAIRING

Data Promotion or Demotion

TIER 1 **FLASH**

TIER 2 **HYBRID**

TIER 3 **ARCHIVE**

SmartPools

Data Protection | Searchable And Restorable Snapshots.

Maximize the power of PowerScale with SyncIQ Replication Technology to seamlessly handle data at scale.
With Diskover, make SyncIQ target snapshots fully searchable, enabling quick file recovery from previous snapshots.
Restore files effortlessly using the integrated Diskover plugin with RCLONE for streamlined data restoration.

SyncIQ Replication

PowerScale OneFS

Local Snaps

Federated **SEARCHES** of all Snapshots Catalog

Diskover

Index of Source Snapshots

Index of Target Snapshots

Diskover-Web

Source Cluster
Production

PowerScale OneFS

SyncIQ Snaps Long Retention

Target Cluster
Backup

User-driven mechanism to **RESTORE** individual file(s) or entire Snapshot(s) to the original or different location

PowerScale OneFS

Any Cluster

Diskover AND DELL Technologies

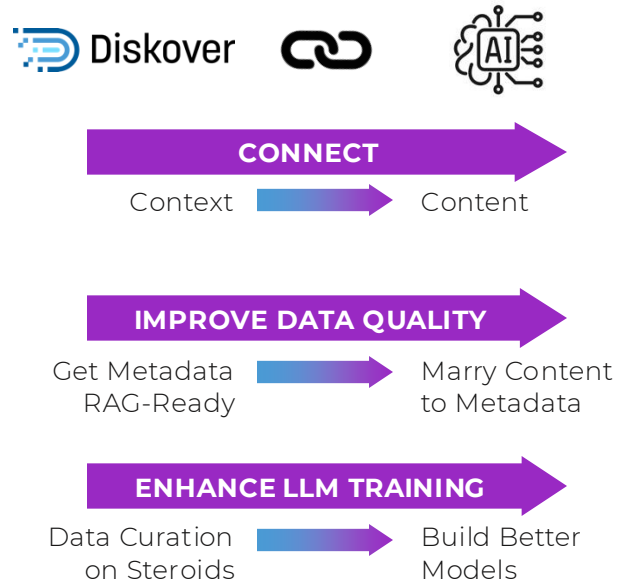# See Your SmartPools Like Never Before.

Find and analyze SmartPools data anytime you want.

- The current SmartPools native tools require an API/command line access and do not provide detailed data, just a high-level capacity consumption.
- With Diskover:
  - A single search to find any file/directory living in your SmartPools.
  - Multiple standard and customizable reports to analyze your SmartPools data any way you want.

Visibility of data moved to/from SmartPools.

- Currently, it can take weeks to generate a list of files that were sent to SmartPools.
- With Diskover:
  - In addition to the several analytics that always tell you what data you have in your SmartPools, you can use Diskover's heatmaps to track data movement.
  - Heatmaps provide peace of mind by monitoring data archiving or backups, using hash values to accurately detect any issues or corruptions.

Diskover Bridges The Gap For AI Pipeline Opportunities.

CONNECT

Context → Content

IMPROVE DATA QUALITY

Get Metadata RAG-Ready → Marry Content to Metadata

ENHANCE LLM TRAINING

Data Curation on Steroids → Build Better Models

Diskover provides the ability to design unique LLMs and Multi-Modal Models tailored to specific needs. Contact us for more details.

Strategic Solutions | About Diskover

		PRIMARY USE CASES	
COMMUNITY	Try out Diskover's basics features for an unlimited amount of time.		Start understanding your data, do basic searches and data cleanup.
ESSENTIAL	Features to support enterprise deployment and search.		Start analyzing and managing your datasets.
PROFESSIONAL	Introduces automation to file-based workflows.		Efficiency of people through file-based workflows and rich business-context metadata.
ENTERPRISE	Solutions for multi-cluster architecture.		Workflow-driven automation of processes, threshold, and anomaly detection.
AJA Diskover MEDIA Edition	Engineered for Media and Entertainment workflows.		Increases efficiencies via industry-specific plugins while protecting source assets.
LIFE SCIENCE	Increases dataflow efficiencies via industry-specific plugins.		Streamlines file and research grants management via workflow using curated specialized datasets.

Diskover Data is a leading provider of advanced data management solutions, empowering organizations to gain actionable insights from their vast and complex datasets. The powerful platform leverages cutting-edge indexing, search, and analytics capabilities to help businesses streamline data workflows, automate critical processes, and improve data governance. Diskover Data is designed to handle diverse data environments, offering seamless integration across various storage types, from traditional file systems to modern cloud infrastructures.

A robust ecosystem of plugins enables extensive customization and workflow automation, allowing organizations to tailor their data management processes to their unique needs. Diskover Data helps unlock the full potential of their digital assets, driving informed decision-making and operational excellence. Trusted by enterprises globally, Diskover Data is committed to delivering innovative solutions that meet the evolving needs of today's data-driven world.

Diskover

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