Symantec™ Data Loss Prevention Data Insight

The majority of your data exists as unstructured files located on file servers. Analysts predict the growth of unstructured data to continue at over 60 percent per year, and in many organizations it accounts for more than 80 percent of all data.[1] Protecting unstructured data against loss and misuse is a vital component of your data governance program. At the same time, because of the size, organization and age of file server data, protecting it can represent the largest data loss prevent challenge you are facing.

You need to consider multiple tactics to protect NAS data. First, you need content-aware discovery to scan and find the data you have identified as sensitive. Next, in order to protect the data, you need a way to identify who owns the data – a way that does not rely on often inaccurate metadata. You also need to discover file shares that suffer from overly permissive access rights and are therefore at risk of incursion. Finally, you want to audit who is accessing sensitive data and how often they are using it.

Symantec™ Data Loss Prevention Data Insight can help solve the data protection problem for unstructured data by giving you insight into usage patterns and access permissions. Data Insight is part of a complete Data Loss Prevention for storage solution from Symantec that includes Symantec™ Data Loss Prevention Network Discover and Network Protect.

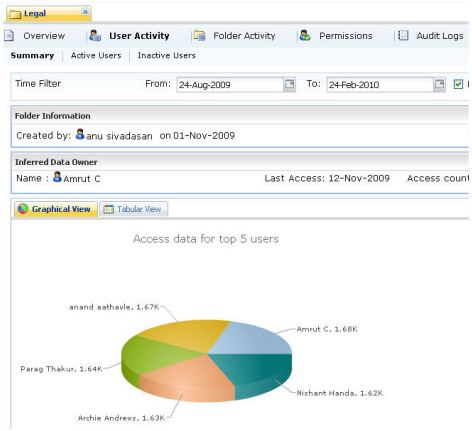

Figure 1. Data Insight view into top 5 users of the "Legal" directory

Data Insight features

- Data Owner Identification – tracks file usage and reports the top 5 users of sensitive data for files found as part of a Network Discover scan.
- Open Share Identification – scans the file system to discover access permissions and identifies shares that are accessible to everyone.
- Data Access Visualization and History – records all file usage and provides multiple views into file activity with an ability to monitor sensitive files and directories.

Use cases

- Find and fix sensitive data – Network Discover finds the sensitive files, Data Insight identifies the owner, and Network Protect can automatically protect the data. The key to risk reduction is getting the data owners involved in the clean-up process – Data Insight gives you the means to understand ownership.
- Fix overly permissive file access – Use Data Insight to find exposed file shares, and target your risk assessment and reduction efforts on those shares first. You can scan open shares with Network Discover to see if they contain sensitive data, and then fix access privileges to those shares.
- Investigate data breaches – Use Network Discover to find the suspect data and then use Data Insight to get a full access history of the files in question. This allows you to lock down the data to help prevent future breaches.

1. IDC, 2009 File-Based Storage Taxonomy: Capitalizing on the Diverse World of Files, Doc # 220796, November 2009

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Architecture

Data Insight was built by the storage experts at Symantec™ to work with NetApp® and EMC® file servers. Data Insight uses native NetApp® and EMC® APIs to collect file transaction data from the file servers while minimizing server performance overhead. File transaction data is indexed and made available for search. Data insight supplies the Symantec™ Data Loss Prevention Enforce Platform with data ownership and access information for incidents generated by Data Loss Prevention Network Discover. Data Insight also provides a console for visualizing data access, reviewing permissions and viewing detailed logs.

The Data Insight Collector, Indexer and Console are designed to scale to the demands of large enterprises.

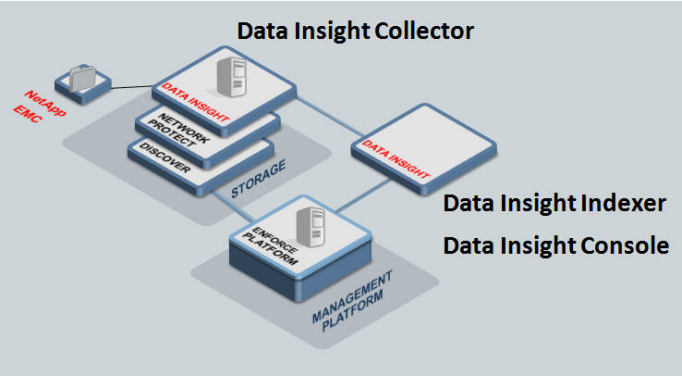

Figure 2. Data Insight architecture

Supported platforms

- Data Insight Collector/Indexer/Console platform support
  - Microsoft® Windows® Server 2003, Enterprise Edition (32-bit) SP2 or higher
  - VMware ESX Server 3.5
- Data Insight file servers supported
  - NetApp® DataONTAP version 7 or later
  - EMC® Celerra DART version 5.6.45 or later

Product requirements

- Required: Symantec™ Data Loss Prevention Network Discover
- Recommended: Symantec™ Data Loss Prevention Network Protect

Additional Symantec™ Data Loss Prevention products

Symantec, the recognized world leader in Data Loss Prevention, delivers a proven, content-aware solution to discover, monitor and protect confidential data wherever it is used or stored. The solution allows you to measurably reduce your risk of a data breach, demonstrate regulatory compliance and safeguard customer privacy, brand equity and intellectual property.

More information

Visit our website

http://enterprise.symantec.com

To speak with a Product Specialist in the U.S.

Call toll-free 1 (800) 745 6054

To speak with a Product Specialist outside the U.S.

For specific country offices and contact numbers, please visit our website.

About Symantec

Symantec is a global leader in providing security, storage and systems management solutions to help consumers and organizations secure and manage their information-driven world. Our software and services protect against more risks at more points, more completely and efficiently, enabling confidence wherever information is used or stored.

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Symantec helps organizations secure and manage their information-driven world with **high availability**, and **disaster recovery** solutions. 21005381 02/10

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