

# Veritas™ Information Map

Dynamic Perspective | Unbiased Decisions

## OVERVIEW

A multi-cloud IT approach empowers organizations to fend off vendor lock-in and gives them access to the widest possible variety of applications to accelerate their digital transformation, but it also can potentially create a nightmare for administrators who are trying to manage data in a wide variety of different locations. Organizations need a unified view of all their data across their entire environment, on-premises and across clouds, so that they have a better sense of where their data is, who owns it, how it's being accessed, and whether any actions need to be taken to protect, migrate, or delete it.

Veritas™ Information Map helps organizations visualize their unstructured and structured information irrespective of where it is stored - on-premises, in private cloud or public cloud. It renders information in visual context and guides users towards unbiased, data-driven information-governance decision-making. Organizations can identify areas of risk, areas of value, and areas of waste in order to minimize information risk, reduce storage cost and to achieve operational efficiencies.

## VISUALIZE INFORMATION

Information Map provides an immersive visual experience for end users to gain actionable insights into their organization's data sets.



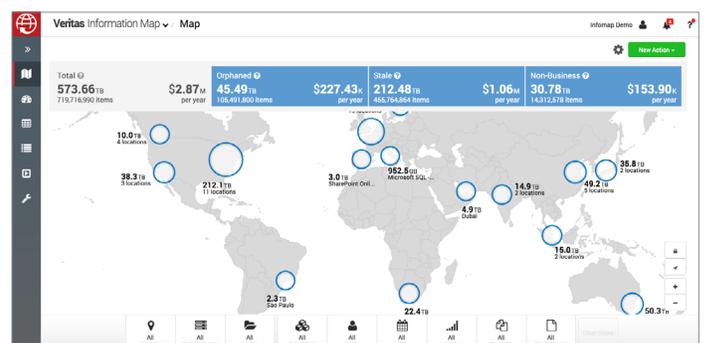
**Faceted Exploration:** The Information Map provides a geographic orientation of an organization's data along with dashboard, entity, and list views which enable users to view information by location, by file server, by share, by a user, or through any aggregation of the above.

**Guided Analysis:** Information Map always displays a summary of the total, stale, orphaned, and non-business data in the organization. Guided analysis allows a user to quickly identify data sets of interest to act upon. The fully loaded cost of owning this information is displayed which allows for more impactful decision making, not just based on the volume of data, but on the real cost of storing and maintaining it. Administrators can customize the cost of information based on things like content source type or location of storage.



**Auto-Filters:** Quick granular filters for age, size, location, content source, owner, data store, item type and file extension allow users to infinitely refine the data sets they are analyzing.

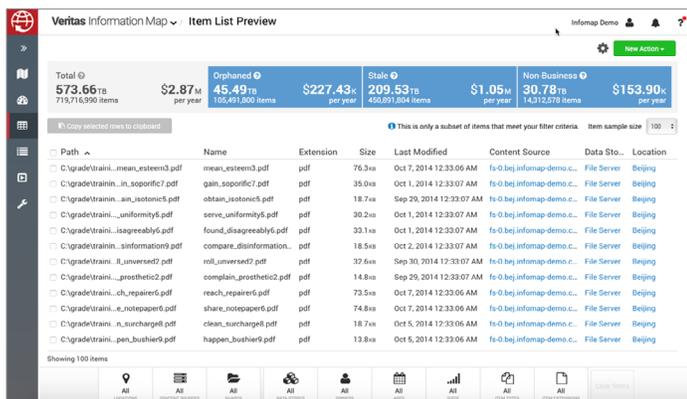
With Information Map, all filtering activities are optimized for real-time interactive performance; achievable through the power of a cloud service.



**Consumer-Grade Usability:** The interface of the Information Map is designed and optimized for traditional desktops and laptops as well as tablets and touch-enabled computers. Tiles of information are malleable, allowing users to orient the dashboard to their preference.

## ACT ON GAINED INSIGHTS

**Item List Preview:** Once a dataset of interest has been identified, Item List Preview allows for a quick review of the individual items that match the applied filters. This gives confidence the dataset is good to be acted upon.



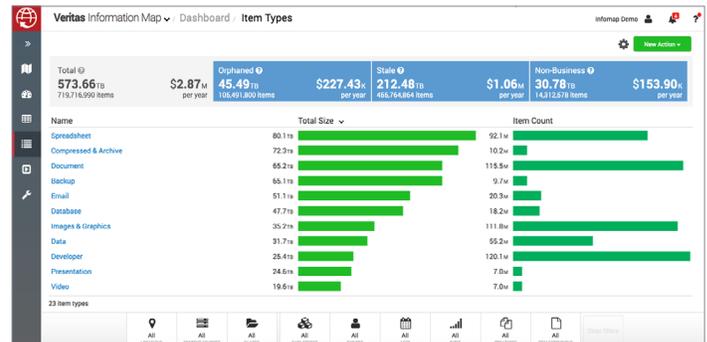
**Taking Action:** To act on a dataset of interest, for example to delete files, Information Map can export the list of items in the dataset to a CSV file. The CSV file can be used for further analysis, or scripts can be applied to the CSV file in order to act on the gained insights. Sample scripts are supplied in the Veritas Open Exchange (VoX) customer forum.

## COST REDUCTION, RISK REDUCTION AND OPERATIONAL EFFICIENCY USE-CASES

**Archive Files:** Organizations are hoarding zip, rar and other archive files. Archive files are large in nature and often not used after their initial creation. By identifying old archive files, the administrator can delete these to free up space, deferring CAPEX spending on additional storage while reducing their risk posture by eliminating over-retained data.

**Audio/Video Files:** It is common to find video and audio files which have no specific business value, and which may be personal in nature. By identifying information that has no business value, organizations can alleviate the disproportional strain on storage capacity and reduce copyright liability.

**Virtual Machines:** Virtual machines are being created not just for production use, but cloned or copied for QA, dev/test, data science and many other purposes. Many virtual machines are not governed after their creation. Virtual machines, or their associated virtual disks are taking up an increasing amount of storage. By identifying stale or redundant virtual machine files, administrators can delete them or move them to lower-cost storage if still required.



**Remote Offices:** It is increasingly common for organizations to have remote offices with IT infrastructure, but without any IT personnel. Remote infrastructure creates IT complexity and a management headache. Information Map can profile the remote office, identifying data sets or whole offices which could be centralized. Centralization brings many efficiencies including less remote infrastructure, backup simplification and higher availability on centrally-managed storage.

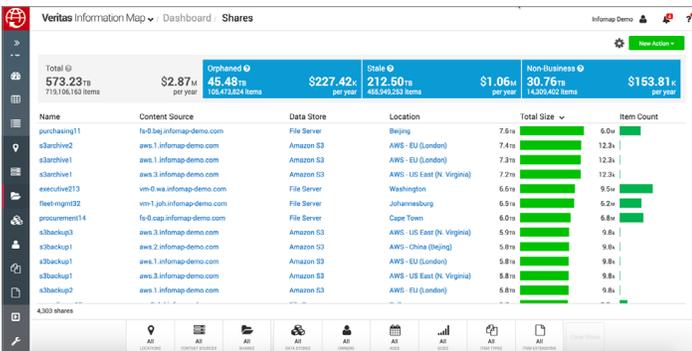
**Temporary Files:** Temporary files should only live for a short period of time. However, most are never deleted, so taking up valuable storage capacity. By identifying temporary files and deleting them, storage is freed up and less data is required to be protected.

**Top Disk Offenders:** Often the largest consumers of disk space, take up a disproportionate amount of space compared to the average user. Information Map can quickly identify the top offenders and a remediation plan can subsequently be created. Whether that is centralized deletion or archival of data, or whether a report is sent to the end-user for them to clean up their own working areas.

**Orphan Files:** Data belonging to departed employees is often left in place and never deleted or archived. Information Map can identify orphaned data which can then be deleted or moved to free up capacity and to reduce over-retention risks.

**Smart Migrations:** By assessing age and activity of information, migrations to new storage hardware, cloud repositories, or applications can be targeted to specific or relevant subsets of information.

**Enhanced Protection for Priority Shares:** By identifying file servers and shares with a high level of activity in them, backup teams can ensure the most active servers have the highest level of protection whilst the least active are protected less frequently or to cheaper secondary media.



## LEGAL, COMPLIANCE, AND SECURITY USE-CASES

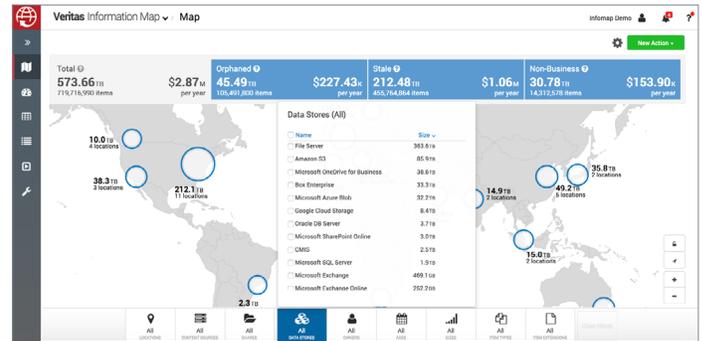
**PST and Email Files:** Organizations are unknowingly storing emails on their unstructured storage devices. This commonly takes the form of PST files or loose .EML or .MSG files that have been created from or copied out of a mailbox. Loose email files are not under retention and not discoverable, imposing significant risk to an organization. Information Map can quickly identify PST files to either delete or move, or archive with Veritas™ Enterprise Vault. Information Map can provide the input for the Enterprise Vault PST migration process.

**Database Files:** Any database is likely to contain personally identifiable information or customer records; information which is highly governed in regulations such as GDPR and which should not be retained for longer than its original collection use. Information Map helps identify personal databases such as Microsoft Access as well as database dumps which have been used for backup purposes. Deleting old and redundant database files not only frees up space, but importantly, prevents personal information from being over-retained.

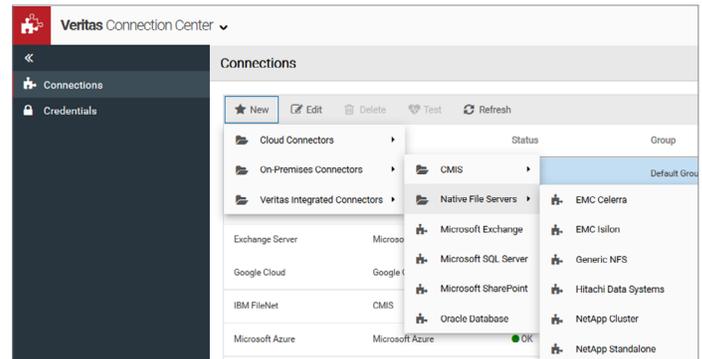
**Focused eDiscovery Collections:** Associating potential custodians with their data enables legal teams to focus collection efforts to the specific areas of data owned by the employees involved in a particular matter.

**Ransomware:** Ransomware cyber-attacks, such as WannaCry, are becoming more and more common. Information Map can identify ransomware infected files. A list of those files can be produced enabling the backup teams to recover the last version prior to infection.

## MULTI-CLOUD VISIBILITY



**Veritas Connection Center:** Veritas Connection Center (VCC) is a common configuration and data store management portal. It serves as an administration console to configure a wide range of on-premises, cloud, and Veritas-integrated data stores, which in turn enables Information Map to provide visibility into the data stores. The flexible framework allows for automatic updates to ensure customers always have access to the most up-to-date connectors as well as future enhancements and new connectors.



**Cloud Connectors:** Supported cloud connectors includes Amazon S3, Box for Enterprise, Google Cloud Storage, Genetic S3, Google G Suite GMail, Google G Suite Drive, Microsoft Azure File and Blob Storage, Microsoft OneDrive for Business, Microsoft Office 365 Exchange and SharePoint.

**On-Premises Connectors:** Supported on-premises connectors includes EMC Celerra, EMC Isilon, Generic File Servers, Hitachi Data Systems NAS, IBM FileNet, Microsoft Windows File Server, Microsoft SharePoint, Microsoft SQL Server, Microsoft

Exchange, NetApp Cluster, NetApp 7-Mode, Oracle DB, OpenText Documentum, OpenText LiveLink and Veritas File Server.

**Veritas Integrated Connectors:** Supported integrated connectors includes Veritas NetBackup™ and Backup Exec™

**Veritas NetBackup™ and Backup Exec™ Integration:** Information Map can collect file system meta-data via Veritas NetBackup™ and Backup Exec™. As part of their daily backup jobs, both NetBackup and Backup Exec store metadata about data in the wild, including files recently created, modified, or deleted. Information Map uses the backup infrastructure as a proxy to understand what is happening on the primary content source by re-using this backup catalog metadata. The unique advantages of Veritas-on-Veritas integrations are:

- Complete view of your data without needing to scan the network or to touch the content sources
- Vast volumes of metadata can be quickly collected much more efficiently than via any type of scan
- Continuous data collection to provide an always up-to-date view of your data

## **CLOUD DEPLOYMENT BUILT WITH INFORMATION FABRIC**

The Information Map is hosted in the Veritas cloud data centers offering a high level of security, availability, and the big data capabilities of its underlying Information Fabric.

The Information Fabric aggregates and stores the metadata characteristics of an organization's global unstructured information environment. The insights represented in the Information Map are rendered from the data aggregated by the Information Fabric technology.

**Scalability:** Being built with big data technology, the Information Fabric platform is designed to handle 10's or 100's of billions of meta-data objects.

**Performance:** All interactive queries are returned in seconds.

**Availability:** High levels of resilience ensures maximum availability with a money backed SLA of 99.9% uptime.

**Data Security:** All communications and any data in motion are encrypted using industry standard encryption protocols. Any customer data stored at rest is encrypted using a unique encryption key per customer.

**Low TCO:** Being a hosted SaaS solution, the total cost of ownership is very low with the main infrastructure owned and operated by Veritas in the cloud.

**Location:** The Information Map service is hosted in either the USA or Germany.

## **ADMINISTRATION OF INFORMATION MAP**

Centralized administration is offered through the cloud hosted Information Map administration portal which includes the following features:

**Roles-based Administration:** Ensures you can segregate your administrators from your Information Map users.

**Customizable Secure Sign-On:** Customers may choose to use their corporate Active Directory credentials for authentication to the Information Map through Single Sign-On technology or to use native authentication via the Veritas Application Portal.

## **REQUIREMENTS**

A Windows 2012 or later, physical or virtual server is required for collecting data from on-premises content sources. For a complete list of supported content sources, refer to the compatibility list:

[Link Here](#)

---

## ABOUT VERITAS TECHNOLOGIES LLC

Veritas Technologies empowers businesses of all sizes to discover the truth in information—their most important digital asset. Using the Veritas platform, customers can accelerate their digital transformation and solve pressing IT and business challenges including multi-cloud data management, data protection, storage optimization, compliance readiness and workload portability—with no cloud vendor lock-in. Eighty-six percent of Fortune 500 companies rely on Veritas today to reveal data insights that drive competitive advantage. Learn more at [www.veritas.com](http://www.veritas.com) or follow us on Twitter at [@veritastechllc](https://twitter.com/veritastechllc).

---

Veritas Technologies LLC  
500 East Middlefield Road  
Mountain View, CA 94043 USA  
+1 (866) 837 4827  
[veritas.com](http://veritas.com)

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

<https://www.veritas.com/about/contact.html>

**VERITAS™**  
The truth in information.

V0255 12/17