VERITAS™ The truth in information.

Technical Brief – Information Map

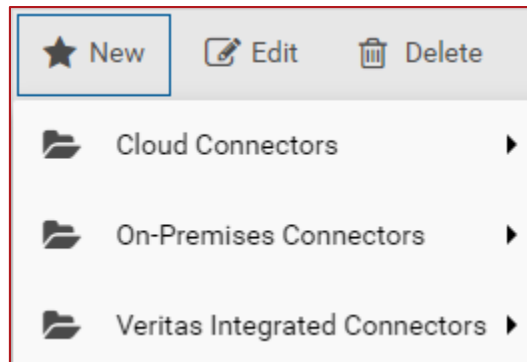# Veritas Information Map Connectors

Information Map Connectors

Feature Description

Veritas Information Map has expanded the number of sources from which it can collect metadata. These sources include an assortment of cloud-based applications as well as on-premises applications.

Figure 1 – Information Map Connectors

The following is a list of sources from which Information Map can now collect:

Cloud Connectors

- Box for Enterprise
- Google Cloud Storage
- Google Drive
- Gmail
- Generic S3
- Microsoft Azure
- Microsoft Exchange Online (Office 365)
- Microsoft OneDrive
- Microsoft SharePoint Online
- Amazon S3

On-Premises Connectors

- IBM FileNet
- OpenText Document
- OpenText LiveLink
- Native File Servers
  - EMC Celerra
  - EMC Isilon
  - Hitachi NAS
  - NetApp Cluster
  - NetApp Standalone
  - Windows File Server (CIFS)
  - Veritas Files Server
- Microsoft Exchange
- Microsoft SQL Server
- Microsoft SharePoint
- Oracle Database

Veritas Integrated Connectors

- Backup Exec
- NetBackup

Information Map Connectors

Additional connectors may be available in future updates. For information on compatibility, see
https://www.veritas.com/support/en_US/article.100041301.

Business Value

The new connectors greatly expand the capabilities of Information Map. Previous to the new connectors, Information Map was only able to collect metadata from Veritas NetBackup and Amazon S3. By collecting metadata from additional locations, organizations will have a much wider view of their data in order to make data driven decisions to help with cost and risk reduction along with implementing operational efficiencies.
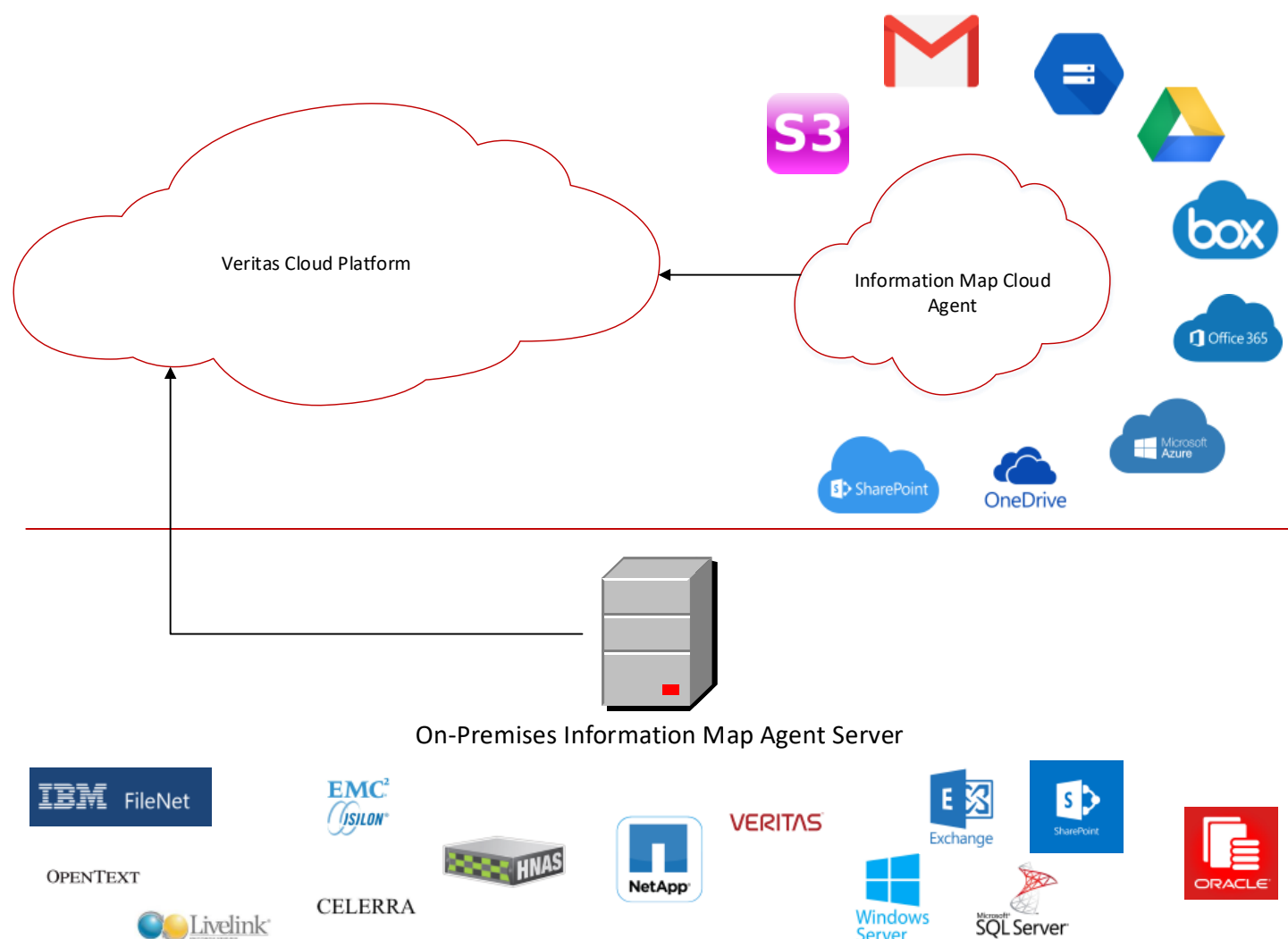
Underlying Principles

Figure 2 – Information Map Connector Overview

Information Map Connectors

Connections and Credentials

Before Information Map can collect metadata from the new sources, an Information Map administrator will need to create credentials and connections. Credentials provide the necessary user account or login information for the connection. The details for each credential will depend on the connection type. Once a credential for a connection type has been configured, the administrators can then configure the connection. See the **Guided Tour** section for more information.

Cloud-based Sources

Collecting metadata from cloud-based sources will not require a local Information Map agent to be installed. All metadata collection is performed by a cloud-based Information Map agent through Veritas cloud-based agents.

On-Premises Sources

For on-premises sources, a local Information Map agent will need to be installed and configured. The Information Map Agent server has the following requirements:

- Virtual or physical server
- Windows Server 2012 R2 or later
- At least 8GB RAM. More RAM will be required if multiple on-premises targets will be scanned by the same Information Map Agent. In these situations, it is recommended to have 16-32GB RAM.
- At least 250GB free disk space. More disk space may be required depending on how many on-premises targets will be scanned by the agent.

Guided Tour

In order to configure connections and credentials, a user must have the **Information Map configuration** administrator role within Information Map. Once logged into Information Map, the user must click on "Veritas Information Map" in the upper left corner. From there, the user will click on Connection Center as shown in Figure 3.
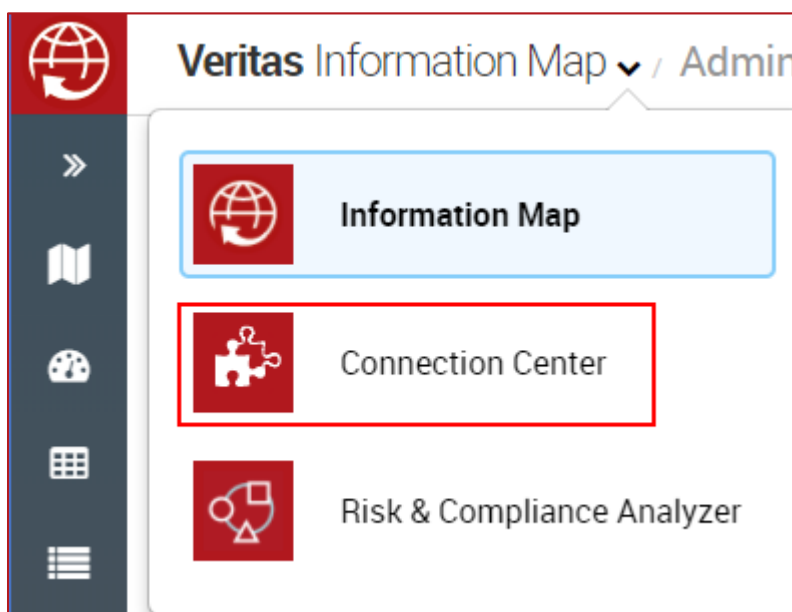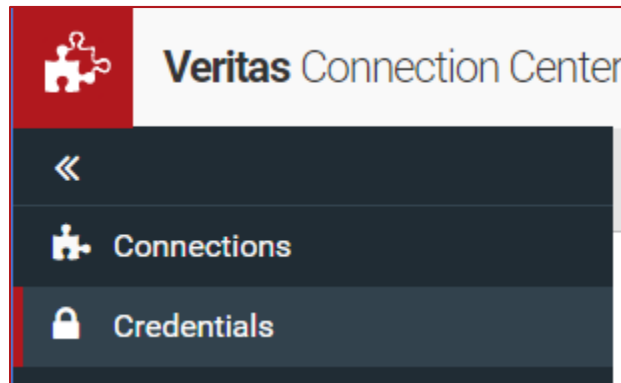

**Figure 3 – Navigating to Connection Center**

Information Map Connectors

In the Veritas Connection Center screen, there are two options for configuration, **Connections** and **Credentials** as shown in Figure 4. Before a connection can be configured, it will be necessary to configure credentials.

Figure 4 – Veritas Connection Center

To add a new credential, click on **Credentials** on the left side and then click on **New** as show in Figure 5. Next, select the target type (Cloud, On-Premises, or Veritas Integrated) and then target (e.g. Microsoft Exchange Online, Microsoft SQL Server, etc.).
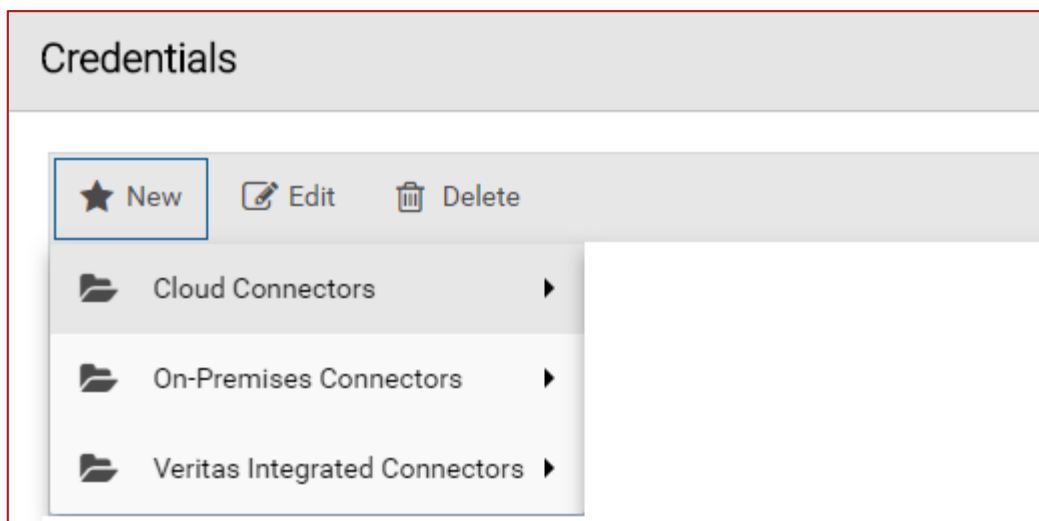
Figure 5 – Adding a New Credential
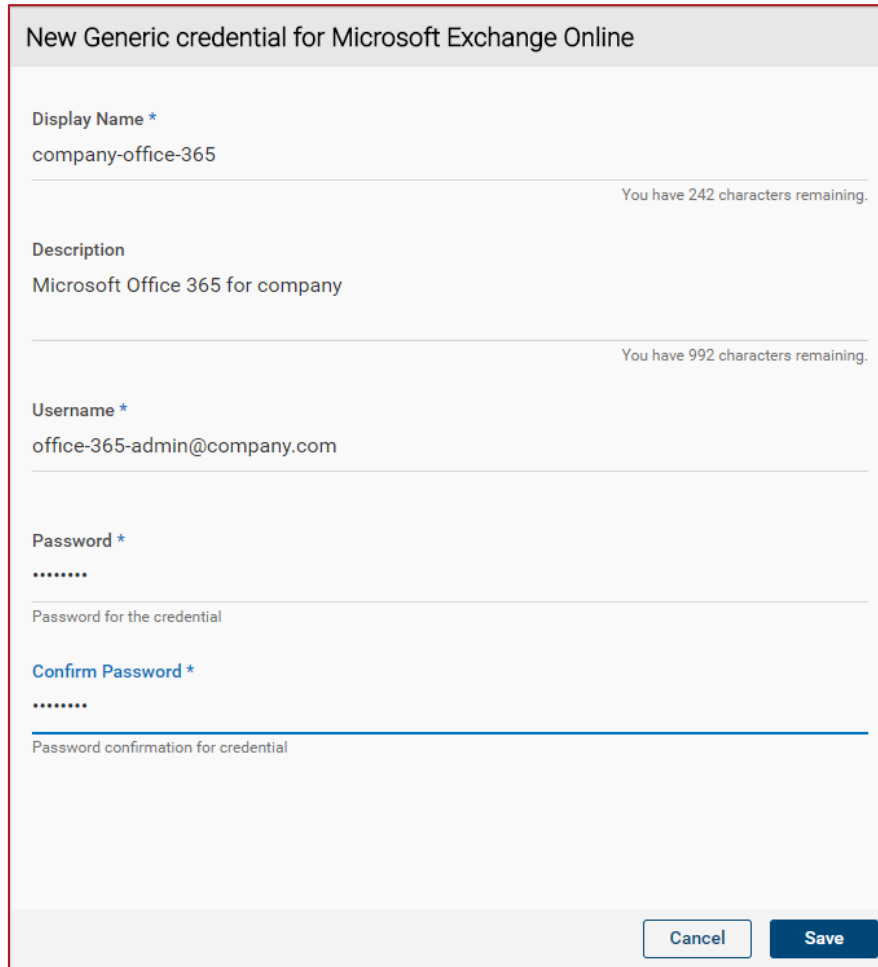
It will then be necessary to fill out the credential details. The details will vary depending on the connection type. Figure 6 provides an example of setting up a Microsoft Exchange Online credential.

Some connections may require additional permissions. Information Map will automatically assist with setting up additional permissions when creating the connection.

For more information, click on the help icon in the Veritas Connection Center screen.

Information Map Connectors

Figure 6 – Configuring a Microsoft Exchange Online Credential

Once credentials have been defined, connections can be configured. In the Veritas Connection Center, click on Connections. Next, click on New and select the connector type as shown in Figure 7.
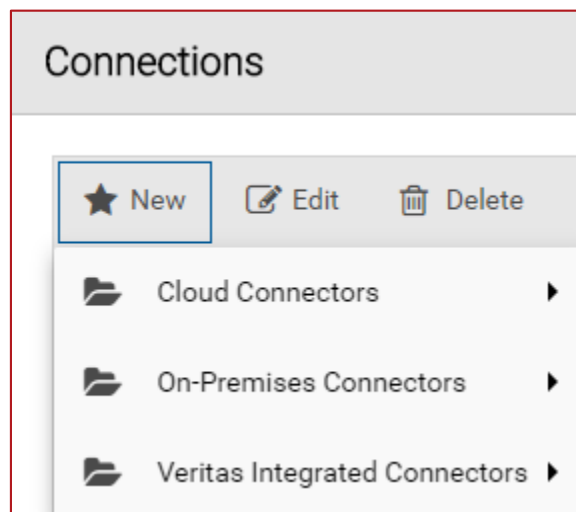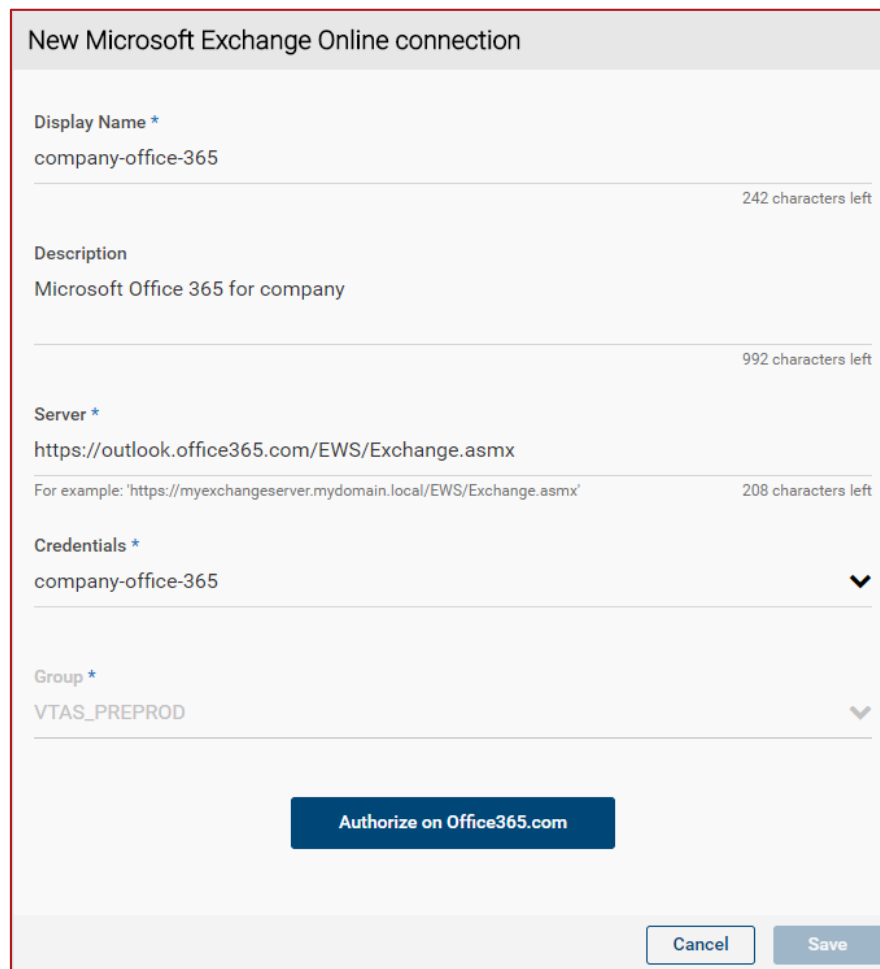

Figure 7 – Configuring a New Connection

Information Map Connectors

Figure 8 shows how to configure an Office 365 connector. Once the details have been filled out, it will be necessary to click on **Authorize on Office365.com**. Additional screens will be shown to grant Information Map access to Office 365. This authorization step is also required for other cloud connectors.

Figure 8 – Configuring a Microsoft Office 365 Connector

On-premises connectors are similar to their cloud counterparts, but with a few minor changes. **Error! Reference source not found.** shows how to configure an on-premises Windows File Server connector. Unlike cloud connectors, on-premises connectors can have a scan schedule defined. A service group must also be specified. Service groups are defined when registering a new on-premises Information Map Agent.

Information Map Service Groups are used for on-premises, non-NetBackup connectors. These service groups are defined when registering an agent server with Information Map as show in Figure 10.

Service groups should be associated with agent servers on a highly connected network. Figure 11 shows an example of two data centers, Data Center A and Data Center B. Data Center A has two main network segments. For this location, two service groups are created, DataCenterA1 and DataCenterA2, each with its own Information Map agent server. For the other location, one service group is created, DataCenterB. This location has two Information Map agent servers which are be part of the DataCenterB service group.

Information Map Connectors

Figure 9 – Configuring an On-Premises Connector

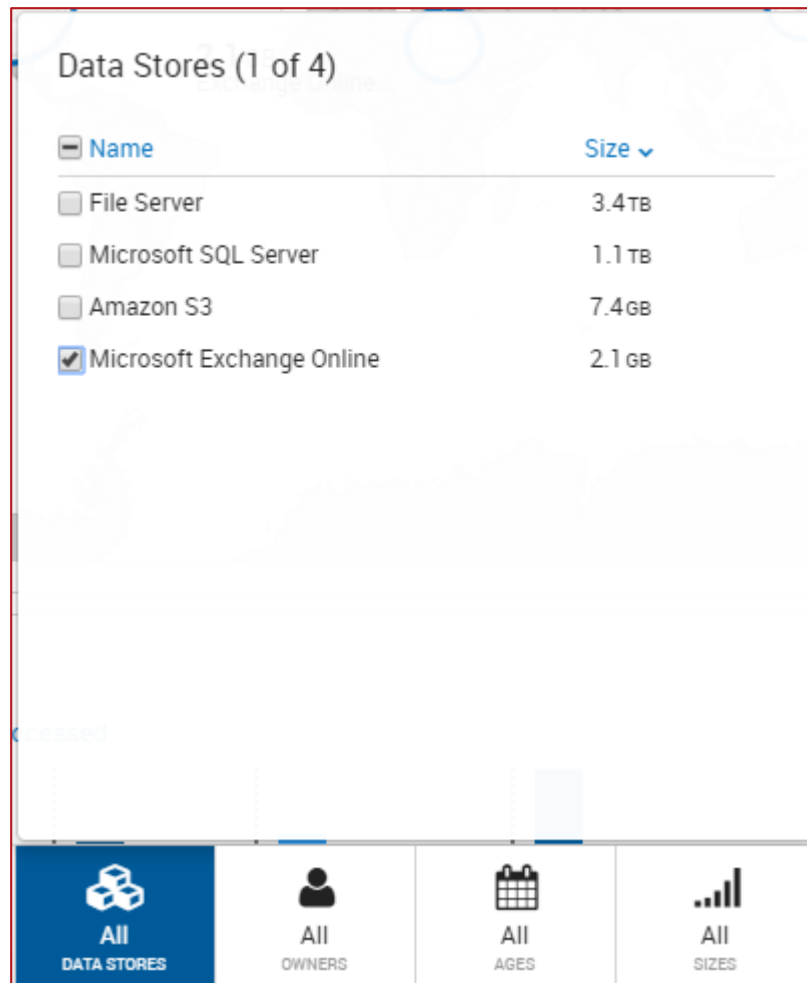**Figure 10 – Configuring a Service Group during Agent Registration**

Information Map Connectors

Figure 11 – Service Group Overview

Once a connector has been defined, the content sources discovered by a connector will show up in Information Map under the **Admin → Content Sources** section within 24 hours assuming the credential and the connector have been configured properly. The discovered content sources from the connectors must be enabled in order for metadata to be collected and presented in Information Map.

Content source metadata from connectors will be displayed in Information Map similarly to metadata collected from NetBackup or Amazon S3. Content sources from connectors can be sorted by any Information Map filter (location, content source, data store, etc.). Metadata from content sources from connectors can also be shown in Item List Preview and be exported to CSV format. Figure 12 illustrates how to filter down to show only Microsoft Exchange Online (Office 365) metadata in Information Map.

Information Map Connectors

Figure 12 – Filtering Datasets by Data Stores

Licensing and Support Considerations

No additional licensing is required for the Information Map Connector feature. Container-based sources (such as database and email servers) are licensed for free. Information Map is licensed per front-end terabyte (FETB).

Information Map Connectors

About Veritas Technologies LLC. Veritas Technologies LLC enables organizations to harness the power of their information, with solutions designed to serve the world's largest and most complex heterogeneous environments. Veritas works with 86 percent of Fortune 500 companies today, improving data availability and revealing insights to drive competitive advantage.

Veritas World Headquarters
500 East Middlefield Road
Mountain View, CA 94043
+1 (650) 933 1000

Visit our website
http://www.veritas.com

www.veritas.com