

Seagate Analysis

Overview of the Data Sources Available in Seagate Analysis 7 (Standalone)

Overview

This document provides an overview of the various data sources available to the Seagate Analysis user.

In Seagate Analysis standalone, these data sources are listed under the **Data Sources** directory, on the **Data Sources** tab of the **Analysis Explorer**.

NOTE	In client/server mode, the Data Sources directory is replaced by the ODBC Data Sources directory, which lists all of the Data Sources available on the server.
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Data Sources tab

Figure 1 shows the **Data Sources** tab of the Analysis Explorer. All directories have been expanded to display all the available data sources and their corresponding tables and views.

Figure 1: The Data Sources Tab

Seagate Analysis currently supports Open Database Connectivity (ODBC) and some native data sources. If running Seagate Analysis from within Seagate Info, it is also possible to use the database connections in Info Desktop objects as data sources. If running Seagate Analysis as a stand-alone application, the database connections in the supplied samples may be used as data sources.

Click the (+) to expand the **Data Sources** directory tree. Notice that the tree is divided into a subset of the following subdirectories:

- Data Sources
- File Directory (if running Seagate Analysis as a stand-alone application)
- Seagate Info (if running Seagate Analysis from within Seagate Info)
- My Favorites, if any exist.

Data Sources Directory:

The **Data Sources** folder contains all of the data sources available in standalone Seagate Analysis.

This folder contains the following subdirectories:

- Microsoft Exchange Admin
- NT Event Log
- ODBC
- OLE DB

A list of other available data sources is also provided. This list allows you create reports off your system. For example, clicking on Microsoft Outlook will allow you to report off your email folders.

File Directory:

When running Seagate Analysis as a stand-alone application, it is possible to use the database connections in the sample reports as data sources for new reports. The **File Directory** folder contains these connections.

Seagate Info Directory:

When running Seagate Analysis from within Seagate Info, the database connections in Info Desktop objects may be used as data sources for new reports. The **Seagate Info** folder tree contains all the database connections on the Info APS. To use an existing report as a database connection, on the Info Desktop set the property **Serve as database connection** for the report. See the Seagate Info documentation for further details.

My Favorites Directory:

The **My Favorites** directory will only become accessible through the Analysis Explorer window once data sources have been specifically added to this folder. When Seagate Analysis is first installed, the **My Favorites** subdirectory can only be accessed through the menu and contains sample reports that can also be used as data connections. If one of these template files is selected, the new Analysis document created will simply re-use the connection information stored with the particular report. Frequently used data sources and report files should be added to the **My Favorites** directory.

The Data Sources Directory

The data sources listed under the **Data Sources** directory are all accessible via standalone Seagate Analysis. In the client/server case, the **Data Sources** directory will be replaced by a directory named **ODBC Data Sources**, which lists all of the data sources available on the server.

- Expanding the **Microsoft Exchange Admin** and **NT Event Log** folders in both the standalone and client/server modes displays the same list of data sources.
- Expanding the **ODBC** folder displays a list of all the ODBC data sources (User and System types) that are configured on the machine.
- When the **OLE DB** folder is expanded, all of the OLEDB providers installed on the machine are displayed.

NOTE	Seagate Analysis does not install any OLE DB providers.
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Data Sources available to be accessed via Seagate Analysis

This section describes the steps required to access the data sources available to the Seagate Analysis user. The data sources are listed in the same order as they appear in Figure 1.

Microsoft Exchange Admin (P2SEXSR.DLL)

Two data sources are available under this directory. The steps to logon to the data sources and a description of the type of data that they access are provided.

NOTE	When logging on to one of the data sources below, a profile (or, profiles) must be provided.
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Each profile selected represents an Exchange Server. Therefore, to access 'n' Exchange Servers, 'n' profiles must be created, where each profile's server value is one of the desired machines. The account(s) specified under the profile(s)

must have a minimum of **View Only Admin** permissions. Also, Seagate Analysis must be running on a Windows NT operating system.

Mailbox Admin

Type of data accessed:

This data source provides information for all of the mailboxes listed in each Exchange Server's (represented by the profile(s) selected during logon) Private Information Store.

Steps to logon:

1. Expand the Microsoft Exchange Admin folder.
2. Select **Mailbox Admin Data Source**.
3. Enter the profile(s) to be used. Click **OK**.
4. The Mailbox Admin Table is displayed.

Public Folder Admin

Type of data accessed:

This data source will provide information for all of the folders listed in each Exchange Server's (represented by the profile(s) selected during logon) Public Information Store.

Steps to logon:

1. Expand the Microsoft Exchange Admin folder.
2. Select **Public Folder Admin Data Source**.
3. Enter the profile(s) to be used. Click **OK**.
4. The Public Folder Admin Table is displayed.

NT Event Log (P2SEVT.DLL)

Two data sources are available under this directory. The steps to logon to the data sources and a description of the type of data that they access are provided below.

NOTE	These data sources are only available on Windows NT platforms.
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NT Archived Event Log

Type of data accessed:

This data source provides information from an archived Windows NT event log (.evt).

Steps to logon:

1. Expand the NT Current Event Log directory.
2. Select **NT Archived Event Log Data Source**.
3. Select the Event Log (.evt). Click **OK**.
4. Select the Event Log Type. Click **OK**.
5. The type selected is displayed.

NT Current Event Log

Type of data accessed:

This data source provides the current information for the Application, Security, and System event logs.

Steps to logon:

1. Expand the NT Current Event Log directory.
2. Select **NT Current Event Log Data Source**.
3. Enter the computers you wish to access (separated by commas) or select the computer from the list. Click **OK**.
4. Tables representing the current Application, Security, and System event logs are displayed.

ODBC (P2SODBC.DLL)

All of the System and User ODBC data sources are available under this directory. The steps to logon to each of these data sources is dependent upon the ODBC driver. Seagate Analysis will install the following ODBC drivers and configure the following data sources.

NOTE	Seagate Analysis does not install the database clients. Ensure that the database client is correctly configured before attempting to use ODBC drivers to access data sources.
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Data Source Name	Driver Name	Driver DLL
CRINF	Informix	CRINF13.DLL
CRINF9	Informix 9	CRINF913.DLL
CROR7	Oracle 7	CRORA713.DLL
CROR8	Oracle 8	CRORA813.DLL
CRSYB	CR Sybase System 10	CRSYB13.DLL
CRSS	SQL Server	SQLSRV32.DLL

SA – Baseball Sample data, SA – Population Sample data, SA- Credit Card Sample data, SA – Retail Sales Sample data, SA – WWSales Sample Data	Microsoft Access Driver(*.mdb)	ODBCJT32.DLL
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To logon to the data sources above, it may be necessary to enter none or all of the following fields:

- Server
- Logon
- Password
- Database

NOTE	As logon procedures vary between different databases, Seagate Analysis does not provide detailed logon instructions.
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Steps to logon:

1. Expand the ODBC directory.
2. Select the desired ODBC Data Source.
3. If prompted for logon information, enter the necessary values. Click **OK**.
4. All of the tables and views that the user has the security rights to access are displayed.

OLE DB (P2SOLEDB.DLL)

All of the available OLE DB providers are displayed when this directory is expanded. The logon procedure for each of these providers is dependent upon the provider itself. Seagate Analysis will prompt for the following values when an OLE DB provider is clicked on:

- Data Source
- Location
- User ID
- Password

These are the standard fields required by an OLE DB provider. One or all of these values may be required.

Steps to logon:

1. Expand the OLE DB directory.
2. Select the desired OLE DB Provider.

3. Enter the appropriate values in the OLE DB logon dialogue. Click **OK**.

All of the tables and views for which security access rights are granted are displayed.

File System (P2SFS.DLL)

Type of data accessed:

This data source provides information on the contents of a selected file system directory.

Steps to logon:

1. Select the File System Data Source.
2. Enter the directory to be accessed.
3. If **Advanced** is selected:
 - If access to all of the files in the current directory and its subdirectories is required, select **Current Directory and Subdirectories**
 - If access to a static number of subdirectories is required, select **Include N Levels of Subdirectories** and enter the number of subdirectories to be accessed.
 - To access all the files in the selected directories, select **Include all Files**.
 - To access only certain file types, select **Include files which match a pattern**, and enter the pattern.
4. Click **OK**.

The directory entered and any subdirectories (depending on whether **Include N Levels of Subdirectories** was selected) are displayed.

IBM DB2 (P2SDB2.DLL)

NOTE

Seagate Analysis will not install the IBM DB2 database client. The Universal DB2 Client version 5.0 or above must be correctly installed and configured for the driver to access these data sources. Ensure that DB2CLI.DLL has been installed by the database client software.

Type of data accessed:

This data source provides native access to an IBM DB2 database, version 5.0 and above.

Steps to logon:

1. Select the DB2 Data Source.
2. Enter the User ID, Password, and Database. Click **OK**.

All of the tables and views for which security access rights are granted are displayed.

INFORMIX (P2SIFMX.DLL)

NOTE	Seagate Analysis will not install the Informix database client. The Informix database client, version 7.3 or above, or equivalent I-Connect, must be properly configured in order for the driver to access the data source. Ensure that the database client setup has installed ISQLT09A.DLL.
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Type of data accessed:

This data source provides native access to an Informix database, version 7.3 and above.

Steps to logon:

1. Select the Informix data source.
2. Enter the Server Name, User ID, Password, and Database. Click **OK**.

All of the tables and views for which security access rights are granted are displayed.

Lotus Notes/Domino (P2SNOTE.DLL)

NOTE	Seagate Analysis will not install the Lotus Notes client. The Lotus Notes client, version 4.5 or above, must be correctly configured in order for the driver to have access to the data source. Ensure that LCPPN20.DLL is also installed.
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Type of data accessed:

This data source provides native access to a Lotus Notes database.

Steps to logon:

1. Select the Lotus Notes/Domino Data Source.
2. Enter the Server Name, User ID, Password, and Database. Click **OK**.

All of the tables and views for which security access rights are granted are displayed.

Microsoft Exchange Folder Replica (P2SREPL.DLL)

NOTE	When logging on to the data sources below, a profile (or, profiles) must be provided. Each profile selected represents an Exchange Server. Therefore, to access 'N' Exchange Servers, 'N' profiles must be created, where each profile's server value is one of the desired machines. The account(s) specified under the profile(s) must have a minimum of View Only Admin permissions. Also, Seagate Analysis must be running on a Windows NT operating system.
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Type of data accessed:

Seagate Analysis will provide replication information for all of the folders listed in each Exchange Server's (represented by the profile(s) selected during logon) Public Information Store.

Steps to logon:

1. Select **Microsoft Exchange Folder Replica Data Source**.
2. Enter the profile(s) to be used. Click **OK**.

The Public Folder Replica Table is displayed.

Microsoft Outlook Calendar/Contacts/Tasks (P2SOUTLK.DLL)

NOTE	The Microsoft Outlook email client must be installed to access this type of data. This data source should be used to access special Microsoft Outlook folders (Calendar, Contacts, Journal, Notes, Tasks). To access standard Outlook Folders, use the Microsoft Exchange and Outlook data source.
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Type of data accessed:

Seagate Analysis will access data from the Calendar, Contacts, Tasks, Journal and Notes Microsoft Outlook folders.

Steps to logon:

1. Select **Microsoft Outlook Calendar/Contacts/Tasks Data Source**.
2. Select the profile to be used.
3. Select the Outlook folder to be accessed. Click **OK**.

The selected Folder will be displayed.

Microsoft Exchange and Outlook (P2SMAPI.DLL)

NOTE	The Microsoft Exchange or Microsoft Outlook email clients must be installed to access this type of data. The data source can only access standard folder types. It cannot access special Microsoft Outlook folders (Calendar, Contacts, Journal, Notes, Tasks). To access these types of folders, use the Microsoft Outlook Calendar/Contacts/Tasks data source.
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Type of data accessed:

Seagate Analysis will provide information on Microsoft Exchange Address Book and Public/Private Folder contents.

Steps to logon:

1. Select **Microsoft Exchange and Outlook Data Source**.
2. Select the profile to be used.
3. Select the Address Book or Folder to be accessed. Click **OK**.

The selected Address Book or Folder is displayed.

Microsoft Exchange Message Tracking Log (P2STRACK.DLL)

Type of data accessed:

Seagate Analysis will provide information on the contents of Microsoft Exchange Server Message Tracking Logs.

Steps to logon:

1. Select **Microsoft Exchange Message Tracking Log Data Source**.
2. Enter the directory location of the log files.
3. Enter the date range of the message tracking logs to be accessed. Click **OK**.

A table representing the tracking logs within the specified date range is displayed.

Microsoft Exchange Public Folder ACL (P2SACL.DLL)

NOTE	When logging on to the data sources below, a profile (or profiles) must be provided.
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Each profile selected represents an Exchange Server. Therefore, to access N Exchange Servers, N profiles must be created, where each profile's server value is one of the desired machines. The account(s) specified under the profile(s)

must have a minimum of **View Only Admin** permissions. Also, Seagate Analysis must be running on a Windows NT operating system.

Type of data accessed:

Seagate Analysis will provide membership information for all of the folders listed in each Exchange Server's (represented by the profile(s) selected during logon) Public Information Store.

Steps to logon:

1. Select **Microsoft Exchange Public Folder ACL Data Source**.
2. Enter the profile(s) to be used. Click **OK**.

The Public Folder ACL Table is displayed.

Microsoft SQL Server (P2SSQL.DLL)

NOTE	Seagate Analysis will not install the Microsoft SQL Server database client. The Microsoft SQL Server database client, version 6.0 or above, must be properly installed in order for the driver to access the data source. Ensure that the database client setup has installed NTWDBLIB.DLL.
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Type of data accessed:

This data source provides native access to a Microsoft SQL Server 6.0 and above database.

Steps to logon:

1. Select the Microsoft SQL Server Data Source.
2. Enter the Server Name, User ID, Password, and Database. Click **OK**.

All of the tables and views for which security access rights are granted are displayed.

MS IIS Log (P2SMSIIS.DLL)

Type of data accessed:

Seagate Analysis provides access to extended, standard, and NCSA IIS log file formats created by Microsoft IIS Web Server. Access to Microsoft Web and Winsock Proxy server log files is also provided.

Steps to logon:

1. Select **MS IIS Log Data Source**.
2. Select the format of the log files.
3. Enter the directory location of the log files.
4. Select the day range type. Note that the range type selected must be the same as the log file range configuration set up on the web server. Click **OK**.

A table is displayed that represents the format and range of the selected log file(s).

Oracle (P2SORA7.DLL)

NOTE	Seagate Analysis will not install the Oracle database client. The Oracle database client, version 7.0 or above, must be properly configured in order for the driver to access the data source. Ensure that the OCIW32.DLL is also installed.
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Type of data accessed:

This data source provides native access to Oracle DBMS 7.0 and above.

Steps to logon:

1. Select the Oracle Data Source.
2. Enter the User ID, Password, and Server. Click **OK**.

All of the tables and views for which security access rights are granted are displayed.

SAP R/3 (P2SRFC.DLL)

NOTE	Seagate Analysis will not install the SAP R/3 driver. Run the setup.exe from the SAP directory on the CD in order to access this data source type.
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Type of data accessed:

This data source provides native access to an SAP R/3 server.

Steps to logon:

1. Select the SAP R/3 node.
2. Enter the Destination, Host Name, System Number, Client Number, User ID, Password, and Logon Language. Click **OK**.
3. Select the types of tables to be viewed. Supported types are Transparent Tables, Views, Pool Tables, Cluster Tables, and ABAP Data Clusters.

4. Specify a filter to restrict the tables to be displayed, based on name. This step is required as there are tens of thousands of tables within the SAP R/3 system and it is not possible to display them all at once.

A second dialog appears, containing a list of tables.

5. Move the tables to be used into the **Chosen** list. If required, a **New Filter** may be specified in order to display additional table names based on some other criteria.
6. When completed, click **OK**. The selected tables will appear in the Analysis Explorer.

Sybase SQL Server (P2SSYB10.DLL)

NOTE	SA will not install the Sybase database client. The Sybase database client, version 10.04 or above, must be properly configured in order for the driver to access the data. Ensure that the LIBCS.DLL and LIBCT.DLL files are installed by the database client setup.
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Type of data accessed:

This data source provides native access to a Sybase SQL Server 7.0 and above.

Steps to logon:

1. Select the Sybase SQL Server Data Source.
2. Enter the Server, User ID, Password, and Database. Click **OK**.

All of the tables and views for which security access rights are granted are displayed.

Web Log (P2SWBLG.DLL)

Type of data accessed:

Seagate Analysis provides access to common log file format files. Most popular web servers provide an option to create these types of log files.

Steps to logon:

1. Select **Web Log Data Source**.
2. Enter the directory location of the log files. Click **OK**.

All of the files that are in this directory will be displayed.

Contacting Crystal Decisions for Technical Support

We recommend that you refer to the product documentation and that you visit our Technical Support web site for more resources.

Self-serve Support:

<http://support.crystaldecisions.com/>

Email Support:

<http://support.crystaldecisions.com/support/answers.asp>

Telephone Support:

<http://www.crystaldecisions.com/contact/support.asp>