

Guide to ODBC's: (Last updated: 09/04/25)

Background: Open Database Connectivity or ODBC is a standard method that allows different software applications to communicate or connect with a wide variety of databases. To access the DAS Financial Datamart database, a user must have the proper ODBC installed on their individual computer and obtain Datamart security access. With a properly installed ODBC, users can access the Datamart using many query tool programs (ex. Excel, Access, Power BI, Tableau, etc.). The instructions below will describe how to use an ODBC with the DAS Financial Datamart.

It is very important that individual Datamart users do not set up the ODBC on their own. This should be completed by a technical professional from the Agency's technical department.

There are two main ODBC for the DAS Financial Datamart. There are the standard (SF MSP) and mainframe (EXECDB2P, EXECDB2A, EXECDB2T). As a note, very few users have mainframe access since it is mainly for DAS.

The user must have proper Datamart security access to use the ODBC, or no data will be displayed. Datamart security access is obtained by contacting an Agency Security Officer (ASO) who will work with DAS System Security to complete the process.

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- A. Standard Datamart users - use the following ODBC setting: SF MSP
- B. SFMA Mainframe: This provides access to Mainframe production tables – use the following ODBC settings:

EXECDB2P, EXECDB2A, or EXECDB2T

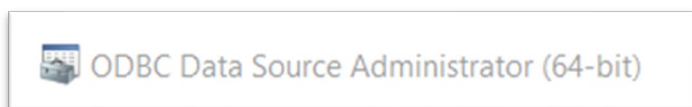
P = production region, A = acceptance region, T = training region

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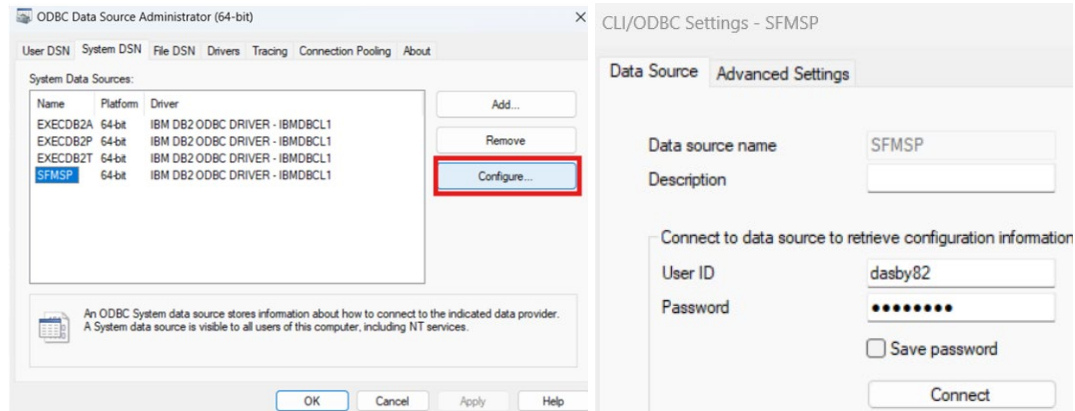
User instructions:

The first step in this process is to verify if the proper ODBC is already set up on a user's computer.

1. Search "ODBC Data Source Administrator" in the windows search bar.
 - A. Most query tool programs are 64-bit; therefore, we install the 64-bit ODBC; however, some agencies still use 32-bit. Use 64-bit unless your tech department provides alternative guidance.

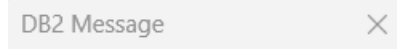


2. Select either the 'User DSN' or 'System DSN' tab to find the 'SF MSP' ODBC. Agency tech support installs ODBC's within either the 'User DSN' or 'System DSN' tabs.



****Do not forget Datamart passwords should be 8-characters in length.**

2. A pop-up window will appear, and it should display 'Connection tested successfully'. If not, then resolve the 'DB2 Message'.



Connection tested successfully.

1. If you receive a 'password expired' type of message, contact the DAS RACF team for a password reset. The link can be found on the Datamart maintenance site.

<https://datamartapp.dasapp.state.or.us/>

2. If you receive a 'firewall' type of error message, then please contact your agency tech support and request a firewall review.

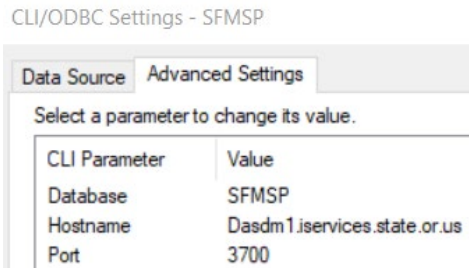
Users without Datamart security access:

- b. Contact your Agency Security Officer (ASO) to help start the process of obtaining proper Datamart RACF security access.

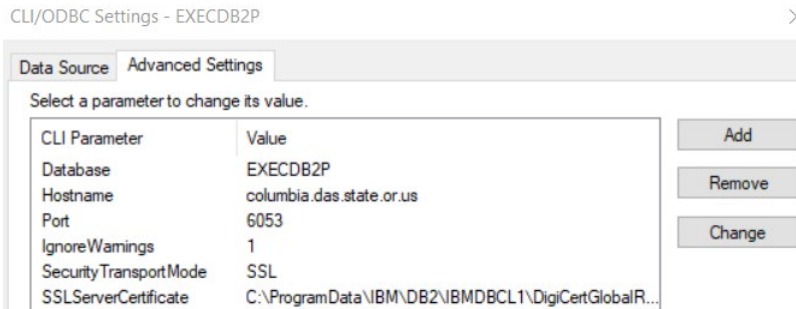
Troubleshooting: (user help)

If the ODBC is present but is not working correctly, you are able to verify the ODBC full setup by viewing 'advanced settings'. Verify this by highlighting the ODBC, click 'configure' and then 'Advanced Setting'.

A. SFMSP advanced settings: Value:



B. Mainframe ODBC advanced settings: Value:



C. If the ODBC needs alteration or deletion, contact agency tech support.

ODBC parameter view setting:

Background: The following instructions will help limit the number of folders displayed in the **SFMSP ODBC** connection when selecting Datamart tables in Power BI or other applications.

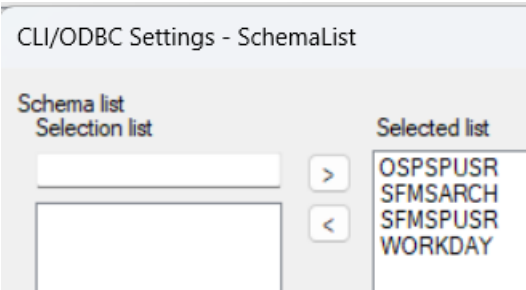
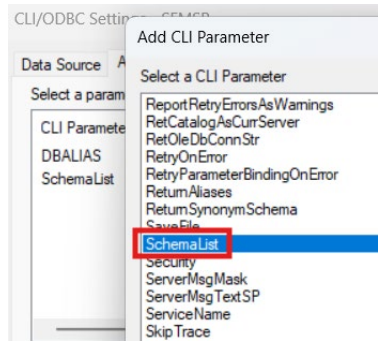
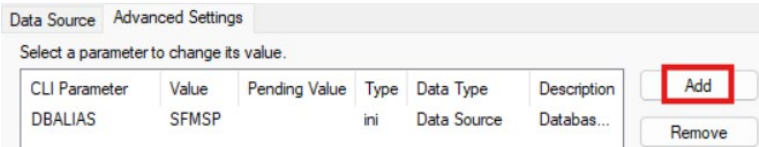
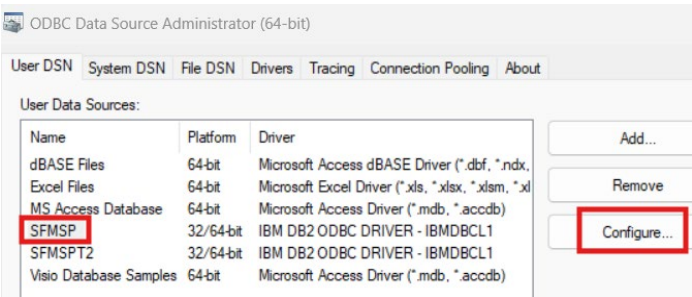
The **SFMSP ODBC** connects to the DAS Financial Datamart, which contains many tables that most users are not authorized to access. By default, approximately 20 folders may appear. These steps will reduce the display to the standard view of **four folders**. To do this, a **parameter** must be added to the ODBC configuration.

- If your agency configures the ODBC under the **System DSN** tab, please have your technical support staff complete the steps below.
- If your agency uses the **User DSN** tab, you may follow the instructions to complete the update yourself.

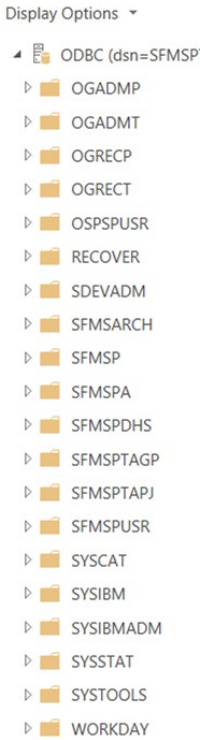
1. Open the ODBC Data Source Administrator.
2. Go to the DSN tab to find the SFMSP ODBC. Highlight it and then click 'configure'.
3. Go to the 'Advance Settings' tab and 'add' a parameter. Select the parameter called 'SchemaList' and click 'ok'.
4. Add the following schemas: **OSPSPUSR**, **SFMSARCH**, **SFMSPUSR**, and **WORKDAY**.
Type or select the desired views and click the arrow button to move them to the **Selected List** section.

Note: You may add or subtract schemas as needed; however, the standard Datamart RACF security view is configured to access the four schemas listed above.

5. Click 'ok' to accept the changes. Click 'Apply' to finalize.

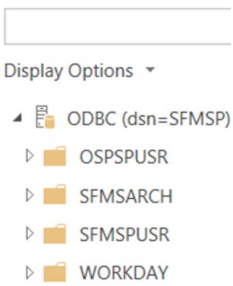


Original view:



Updated view:

Navigator



Tech support: ODBC install help:

The main SFMSP ODBC details (port, database, etc.) are shown in these screenshots.

CLI/ODBC Settings - SFMSP

CLI Parameter	Value
Database	SFMSP
Hostname	Dasdm1.iservices.state.or.us
Port	3700

ODBC Data Source Administrator (64-bit)

Name	Platform	Driver
EXECD2A	64-bit	IBM DB2 ODBC DRIVER - IBMDBCL1
EXECD2P	64-bit	IBM DB2 ODBC DRIVER - IBMDBCL1
EXECD2T	64-bit	IBM DB2 ODBC DRIVER - IBMDBCL1
SFMSP	64-bit	IBM DB2 ODBC DRIVER - IBMDBCL1

Per Joe Adelman, Datamart tech support, use the following IBM DB2 driver link:

[IBM Data Server Client Packages Version 12.1 Mod 1 Fix Pack 0](#)

We are on currently on V11.5 of the database – V12.1 of the ODBC driver will work with our database version.

<https://www.ibm.com/support/pages/node/7182334>

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Abstract
Download the IBM Data Server Client Packages from Fix Central for the following operating system platforms: AIX, Linux and Windows

Download Description
Signature: 12.1.1.0 Build level: s2412161033
Release Date: Feb 05, 2025

IBM Data Server Client Packages

Product Fix Pack description	More info	Download
IBM Data Server Client This is the all in one client package and includes all the client tools and libraries available. It also includes add-ins for Visual Studio.	DriverTypes	Select OS View All
IBM Data Server Runtime Client This package is a superset of Data Server Driver package. It includes many DB2 specific utilities and libraries. It includes DB2 Command Line Processor (CLP) tool.	Overview	Select OS View All AIX Linux 32bit Linux x86 Linux zSeries Windows 32bit Windows

Document Information
More support for:
[IBM Data Server Client Packages](#)
Software version:
All Versions
Document number:
7182334
Modified date:
05 February 2025

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Mainframe ODBC advanced settings (very few users have access to this ODBC):

CLI/ODBC Settings - EXECD2P

CLI Parameter	Value
Database	EXECD2P
Hostname	columbia.das.state.or.us
Port	6053
IgnoreWarnings	1
SecurityTransportMode	SSL
SSLServerCertificate	C:\ProgramData\IBM\DB2\IBMDBCL1\DigiCertGlobalR...

Add Remove Change