

QMF Data Service
13.1

Getting Started Guide



Note

Before using this information and the product it supports, be sure to read the general information under "Notices" at the end of this information.

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This edition applies to Version 13 Release 1 IBM® Db2 Query Management Facility (QMF) Classic Edition and Enterprise Edition, which are features of IBM Db2 13 for z/OS (5698-DB2). It also applies to Version 13 Release 1 of IBM Db2 QMF for z/OS (5698-QMF), which is a stand-alone IBM Db2 for z/OS tool. This information applies to all subsequent releases and modifications until otherwise indicated in new editions.

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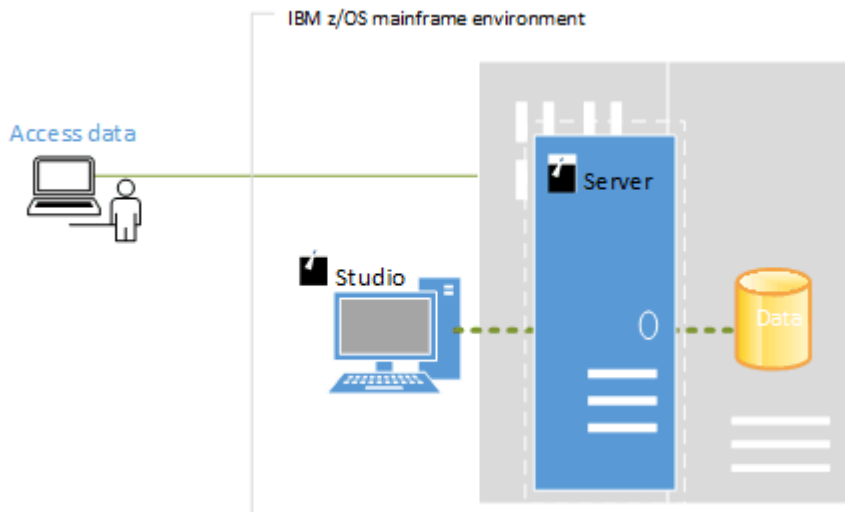
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Chapter 1. Getting started

Use IBM® DB2 QMF® Data Service (Data Service) to securely connect to and get access to data from your z/OS® mainframe environment.

This guide is intended to help Network, System, and Database Administrators to identify the high-level tasks associated with implementing Data Service within their existing environment.

The following illustration shows the basic Data Service architecture when implemented in a z/OS mainframe environment.



Task 1: Install the Data Service server

To install the Data Service server, follow the IBM® program directory instructions.

Task 2: Customizations

To customize the Data Service server, see the IBM® DB2 QMF® Data Service Customization Guide.

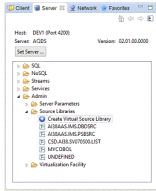
Task 3: Install the Data Service Studio

To install the Data Service Studio (Studio), when running the Db2® Query Management Facility Workstation installer, select to include the **QMF Data Service Studio** component. After the Studio is installed, you can access it by selecting **QMF Data Service Studio** from the Windows **Start** menu.

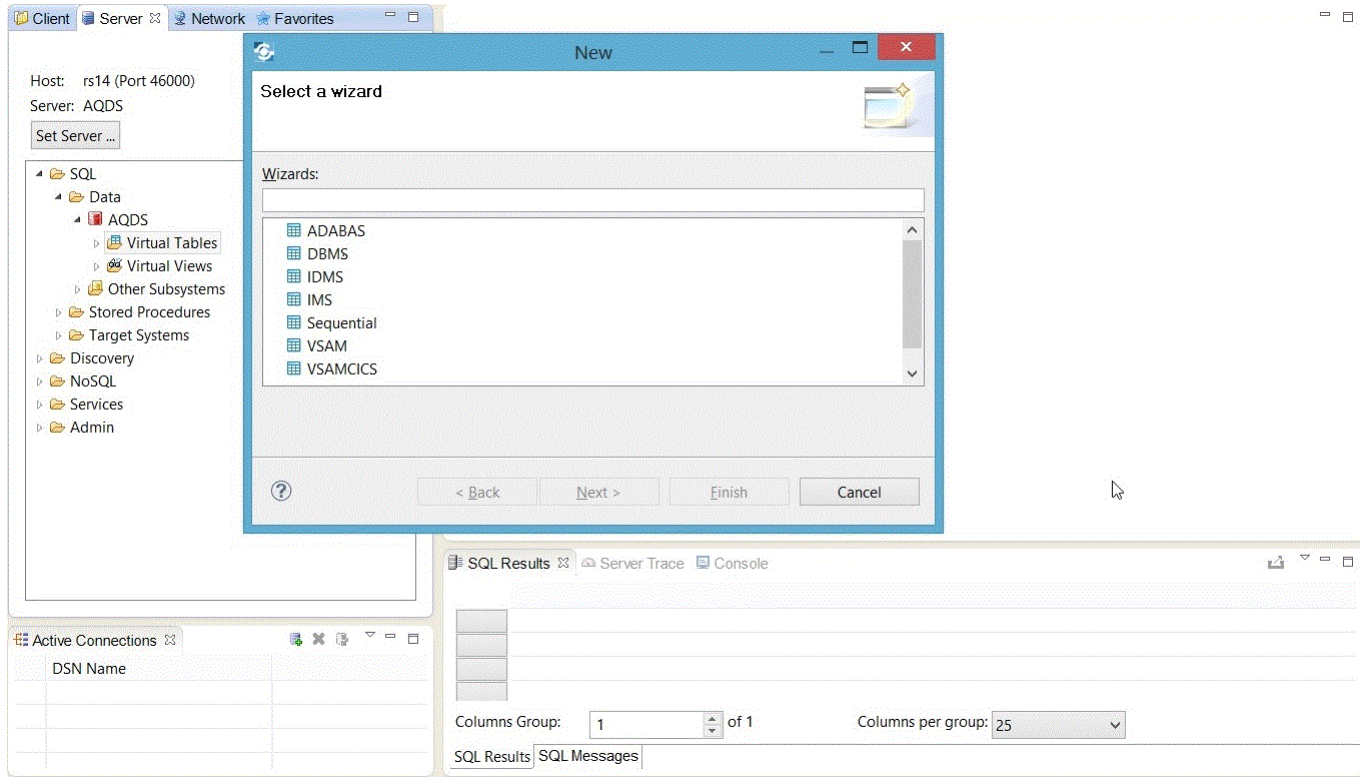
Task 4: Enable access to the mainframe data

To facilitate SQL access to your mainframe data, use the Studio to create metadata objects on the Data Service server. The information that is required to virtualize the source data depends on the data type. For example, to virtualize a VSAM cluster you will need to know information such as the location of the copybook that describes the data layout and the location of the VSAM cluster. For details about this task, see the *IBM® DB2 QMF® Data Service Studio User's Guide*.

1. Use the Studio to connect to the Data Service server.
2. Use the **Create Source Library** wizard to create virtual source libraries that reference data layouts on the mainframe.



3. Using a member from within a virtual source library, create a virtual table to represent the data that you want to access.



Task 5: Generate the code that is used to access the mainframe data

Use the Studio to generate the sample code for SQL access to your data on the mainframe. Right-click the virtual table, select to generate the SQL code, and then execute the query. You can also create a sample JDBC application using the Generate SQL Code wizard. The resulting SQL query displays on the **Generated.sql** tab.

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