DSA-E Instructions

Overview

The Eloquence Data Staging Area (DSA-E) provides each college with access to all of their college data that is stored in the Eloquence databases hosted at the State Data Center by the State Board for Community and Technical Colleges. Data may be transferred from the DSA-E to the college campuses using the Minisoft OLE DB for Image/Eloquence product.

The DSA-E has been developed to become your OLE DB data source for your locally hosted client applications and data staging areas.

Prerequisites

To use the Eloquence Data Staging Area, you will need to have a target SQL database and the Minisoft OLE DB client application installed on the server at your college. It is the college's responsibility to set up the client side of this solution. The server portion of this solution is the responsibility of the SBCTC. This has been installed and configured. Before accessing data from the DSA-E:

1. Install the *Minisoft OLEDB Client*, version 3.2 on the database server at your college. Note that any prior versions of the OLEDB client application will not work. Refer to the **DSA-E OLE DB Client Install** document for installation details.
2. SBCTC-ITD Customer Support to get the following DSA-E credentials and details:
   a. IP address (or name) for the DSA-E server
   b. College port number
3. Provide the SBCTC-ITD Customer Support the IP Address (or range of addresses) of the Server(s) on your campus that you will be using for DSA-E data access.

Data Availability

Data in the DSA-E test environment is replicated from the Eloquence databases. A subset of KSAM and MPE Flat files are also available in this environment for OLE DB access. Browse to the **KSAM and MPE Flat Files** web page on this web site for details on these files.

The HP-UX Eloquence and OLE DB server portion of this solution is the responsibility of SBCTC. This has been installed and configured to provide access to all datasets for every database for each college's data.

Documentation

Extracting Data from Eloquence

Data that is stored in Eloquence databases can be accessed using a SQL Server Linked Server. Listed below are some documents on this web site that will help you create a Linked server:

- **Build and Test a Connection String.** In this optional step, you can use the Minisoft OLE DB/ODBC Connection String Generator to build a connection string before creating a SQL Server Linked Server. Information can be found in the **DSA-E Connection String Generator** document.
- **Create and test a SQL Server Linked Server.** There are two methods to create a SQL Server Linked Server, it is your option which you prefer use.
    - **Creating a Linked Server using the Minisoft Connection String Generator**. This builds the Linked Server using the GUI provided by SQL Server. Information can be found in the **DSA-E Linked Server Connection String Generator** document.
    - **Creating a Linked Server using the MS SQL Server Management Studio**. This builds the Linked Server as a script in a Query window. Information can be found in the **DSA-E Linked Server SQL Script** document.

Extracting Data from Flat Files

Data that is stored in flat files can be accessed using a SQL Server Linked Server.

To accomplish this, a schema is created that defines the file size and field layout details for the file. The Minisoft OLE DB product provides an optional utility, Schema Editor, that can be used to create the schema and upload schema files to the HP-UX OLE DB server.

The **DSA-E OLE File Instructions** document provides details on how to create a schema using the Minisoft Schema Editor for accessing data that is stored in flat files.

Support

Direct issues regarding the DSA-E to the SBCTC-ITD Customer Support Desk:

- Email: SBCTC-ITD Customer Support
- Phone: 425-803-9721