

## 17.4 Mapping Source Database

The Source Database function can convert **OLE DB, Active Directory** database and **excel** files into GV-ASManager (Microsoft Access or SQL Server) database. Click the **Setting from Source to ASManager Database** button on the Database Tools dialog box (Figure 17-1). This dialog box appears.



Figure 17-4

Under the **Setting** Menu:

**[Set Connection]** Configures the connection to an active directory or an OLEDB provider.

**[Set Mapping]** Maps the user, cards, vehicle or hotlist fields between the GV-ASManager database and the source database.

**[Input/Modify the auto-update time setting]** Specify a time to update the database automatically.

Under the **Update** Menu:

**[Update User Data manually]** Update the user data manually.

**[Update Card Data manually]** Update the card data manually.

**[Update Vehicle Data Manually]** Update the vehicle data manually.

**[Update Vehicle Hotlist Manually]** Update the vehicle hotlist manually.

### 17.4.1 Converting Data from the Active Directory Database

1. Click the **Set Connection** button on the Options dialog box (Figure 17-4). The Source Database dialog box appears.
2. Select **Active Directory**. This dialog box appears.

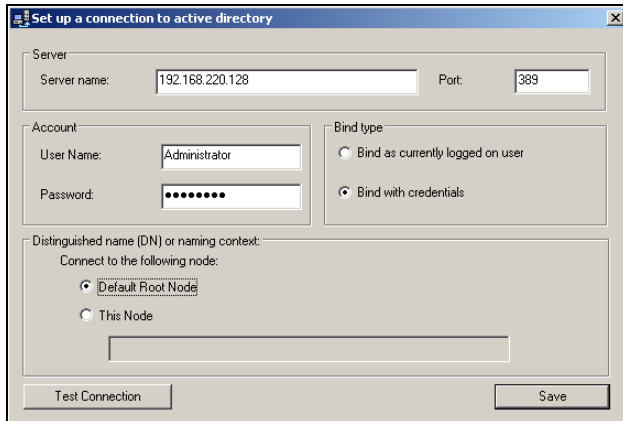


Figure 17-5

3. If you log in the local computer with the authorized username and password from the source database server, select **Bind as currently logged on user** and type the IP address or domain name of the server. If not, select **Bind with credentials**, type the IP address or domain name of the server and its login username and password.
4. Ensure the **Port** number matches that of the source database server.
5. Select **Default Root Node** to connect to the root node of the source database. Otherwise, select **This Node** and specify the node path.
6. Click **Test Connection** to connect to the source database server.
7. Click the **Update Cardholder Data manually** button in the Options dialog box (Figure 17-4) to convert the cardholder data from the source database to the GV-ASManager database immediately.
8. Click the **Update Card Data manually** button in the Options dialog box (Figure 17-4) to convert the card data from the source database to the GV-ASManager database immediately.
9. To update the database automatically later, click the **Input/Modify the Auto-update time setting** button in the Options dialog box (Figure 17-4) and specify the time in minutes.

## 17.4.2 Converting Data from the OLE Database

To convert data from the OLE database, you need to go through these instructions:

- A. Connect an OLE database
- B. Map the user data
- C. Map the card / vehicle data
- D. Convert the data from the source database

### A. To connect an OLE database:

1. Click the **Set Connection** button on the Options dialog box (Figure 17-4). The Source Database dialog box appears.
2. Select **Other Database**. This dialog box appears.

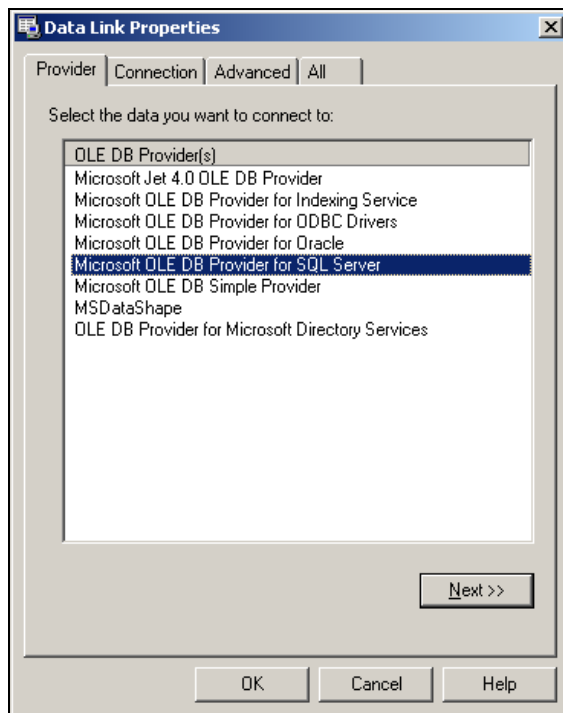


Figure 17-6

3. Select the OLE DB provider that you wish to connect to, and click **OK**. The connection dialog box appears. The dialog box varies depending on the OLE DB provider you choose. Here we select **Microsoft OLE DB Provider for SQL Server** as example.

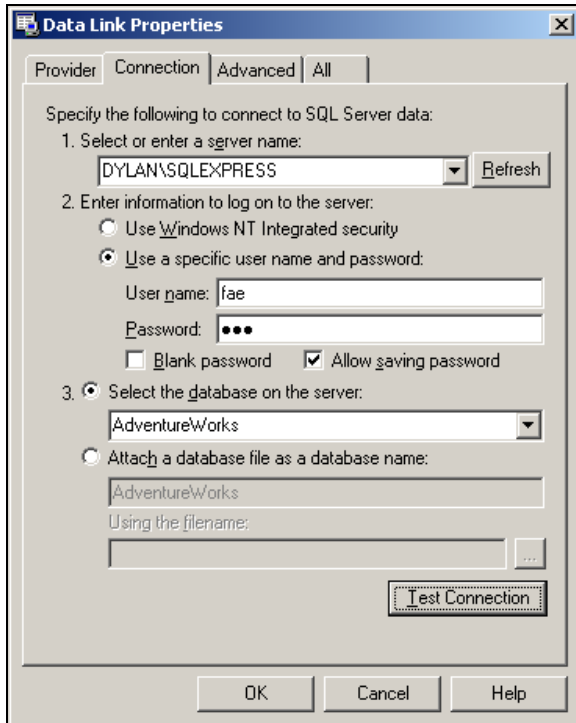


Figure 17-7

4. Type the IP address or domain name of the source database server, select its login authentication method, and select a specific database on the server. Click **Test Connection** to connect to the source database server.

## B. To map the user data:

1. Click the **Set the mapping relations for user** button in the Options dialog box (Figure 17-4). This window appears.

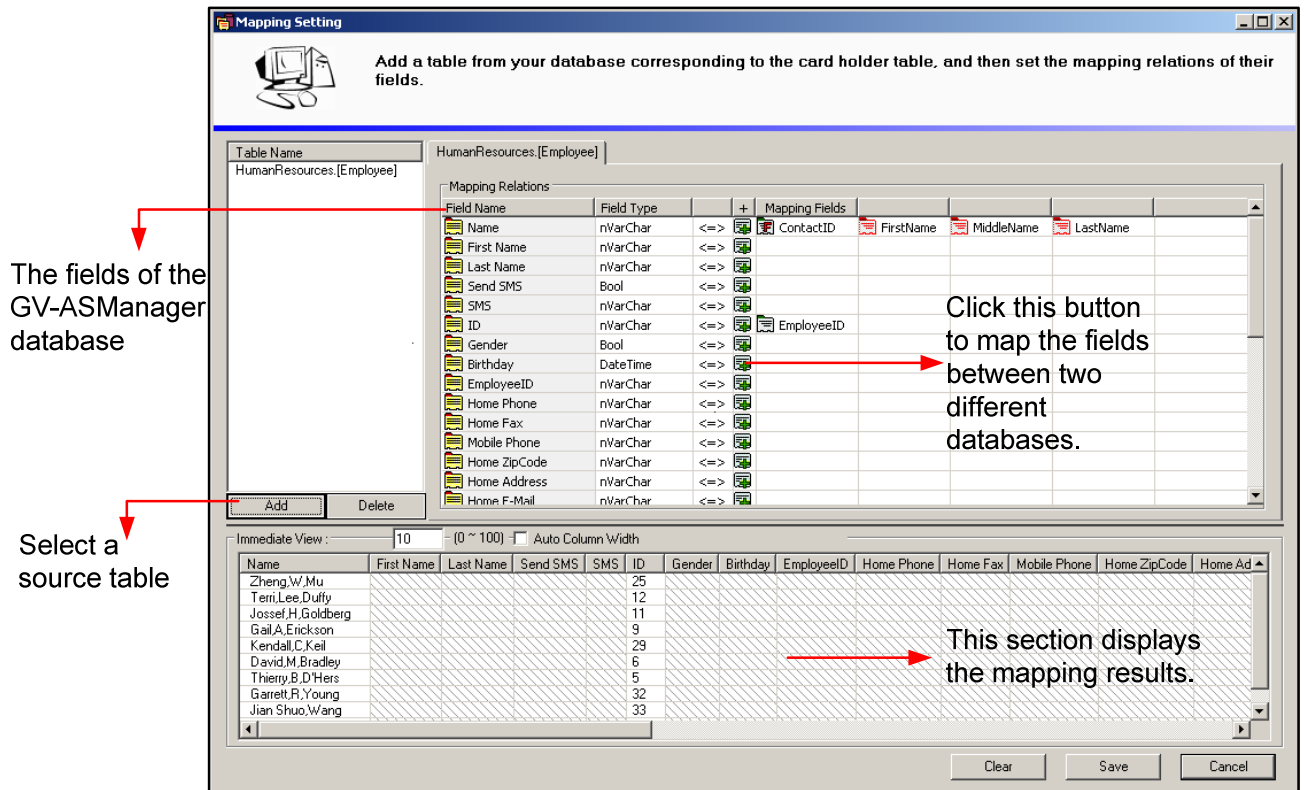


Figure 17-8

2. Click the **Add** button to select a related table on the source database.
3. Click the buttons to map each field of GV-ASManager database to a corresponding field of the source database.
4. In the following steps, we demonstrate how to map the **Name** field as example. Click the button in the Name field. This dialog box appears.

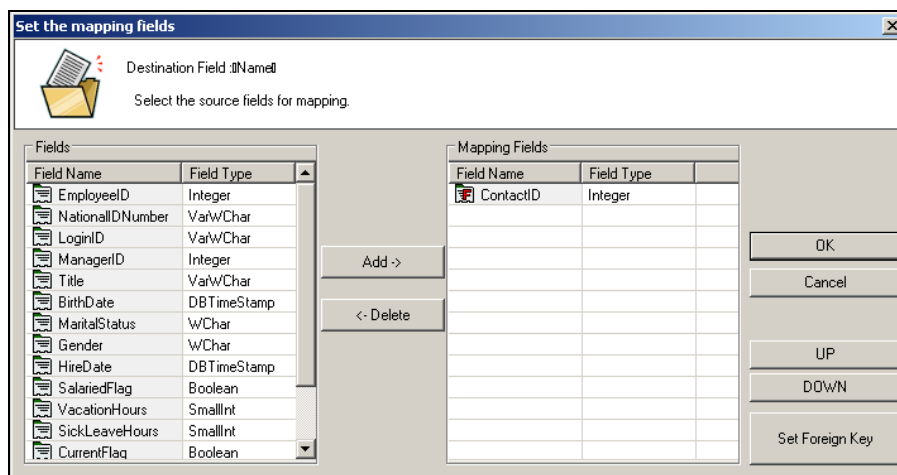


Figure 17-9

- In the left side of the mapping field dialog box, select the field(s) of the source database corresponding to the Name field of the GV-ASManager database. Then click **Add**. In this example (Figure 17-9), the **Contact ID** field of the source database corresponds to the **Name** field of the GV-ASManager database.
- If the field of the source database, without having the data entered, is linked to an index or another table, click the **Set Foreign Key** button. This dialog box appears.

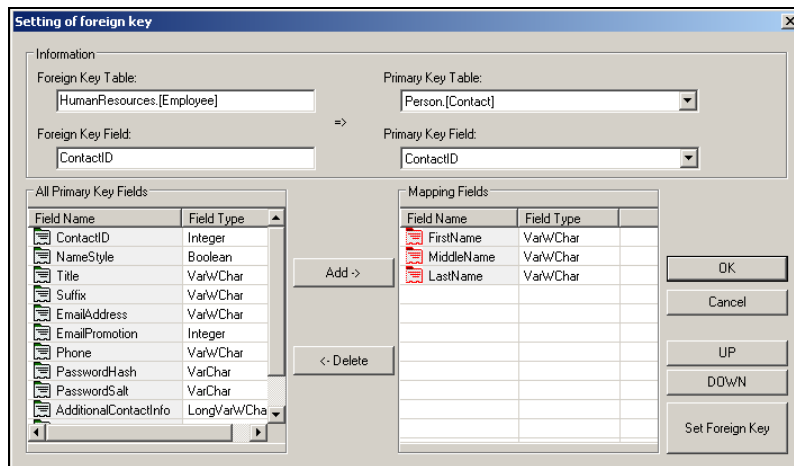
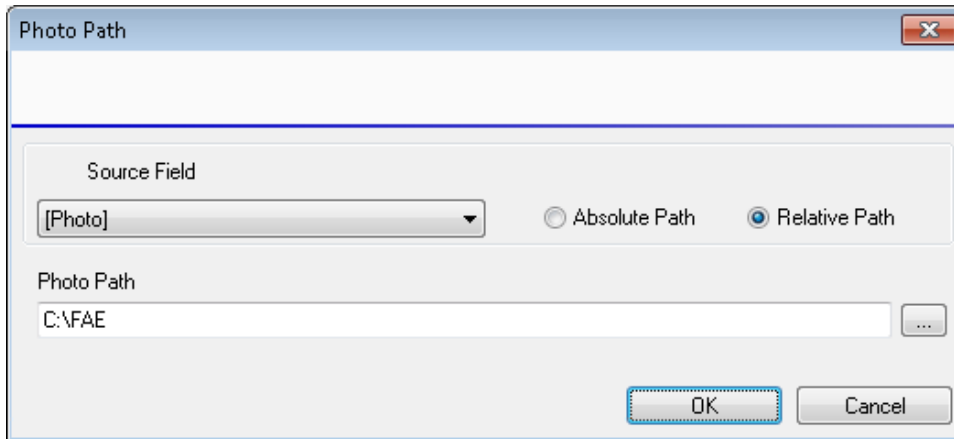


Figure 17-10

- When the foreign key dialog box is open, the linked **Primary Key Table** and **Primary Key Field** should be displayed if the connection of the Foreign Key Table and Primary Key Table has been created. Otherwise, use the drop-down lists to select the Primary Key Table and Field.
- In the left side of the foreign key dialog box, select the field(s) of the Primary Key Table corresponding to the field of the Foreign Key Table. In this example (Figure 17-10), the **Contact ID** field of “Human Resource (Employee)” Foreign Key Table is linked to the **First Name, Middle Name and Last Name** fields of “Person (Contact)” Primary Key Table.
- Click **OK**. In the Mapping Setting window, you can see the mapping results. In the example (Figure 17-8), the **Name** field of the GV-ASManager database is mapped to the **Contact ID** field of the source database which includes **First Name, Middle Name and Last Name** (which are linked from the Primary Key Table).

**Note:** To map the **Photo** field,

1. Click the button and select the corresponding **Source Field**.



2. Select **Absolute Path** if the source field contains complete storage paths of the photos.

	A	B	C	D	E	F	G	H	I	J
1	Cardholder Name	FirstName	LastName	SendSMS	SMSMessID			Gender	BirthDay	Photo
2										
3	1	Abel Carte	Abel Carter	FALSE				TRUE	1983/11/20	C:\FAE\abel.jpg
4	2	Edwin Wa	Edwin Wang	FALSE				TRUE	1980/12/1	C:\FAE\edwin.jpg
5	4	Jesse Bol	Jesse Bolton	FALSE				TRUE	1979/1/16	C:\FAE\jesse.jpg
6	5	Jackie Lav	Jackie Lawson	FALSE				TRUE	1975/6/30	C:\FAE\jackie.jpg

3. Select **Relative Path** and appoint a folder if all photos are stored under the same folder and the source field only contains the relative path under the appointed folder.

	A	B	C	D	E	F	G	H	I	J
1	Cardholder Name	FirstName	LastName	SendSMS	SMSMessID			Gender	BirthDay	Photo
2										
3	1	Abel Carte	Abel Carter	FALSE				TRUE	1983/11/20	abel.jpg
4	2	Edwin Wa	Edwin Wang	FALSE				TRUE	1980/12/1	edwin.jpg
5	4	Jesse Bol	Jesse Bolton	FALSE				TRUE	1979/1/16	jesse.jpg
6	5	Jackie Lav	Jackie Lawson	FALSE				TRUE	1975/6/30	jackie.jpg

### C. To map the card / vehicle data:

1. Click the **Set the mapping relations for cards / vehicles** button in the Options dialog box (Figure 17-4). This window appears.

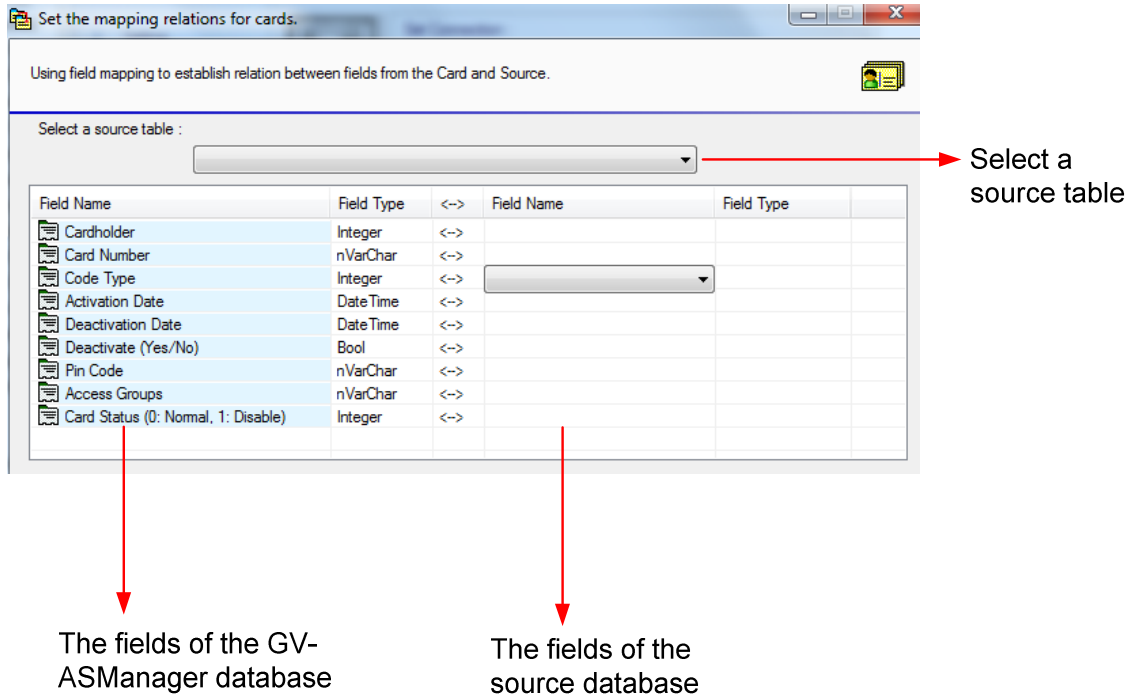


Figure 17-11

2. Select a related table on the source database.
3. Click the **Field Name** column on the right side to map each field of the GV-ASManager database and the source database.

### D. To convert the data from the source database:

1. Click the **Update Cardholder Data manually** button in the Options dialog box (Figure 17-4) to convert the cardholder data from the source database to the GV-ASManager database immediately.
2. Click the **Update Card Data manually** button in the Options dialog box (Figure 17-4) to convert the card data from the source database to the GV-ASManager database immediately.
3. To update the database automatically later, click the **Input/Modify the Auto-update time setting** button in the Options dialog box (Figure 17-4) and specify the update time.

### 17.4.3 Converting Data from an Excel File

To convert data from an excel file:

1. Click the **Set Connection** button on the Options dialog box (Figure 17-4). The Source Database dialog box appears.
2. Select **Other Database**, select **Excel File**, and click **OK**.

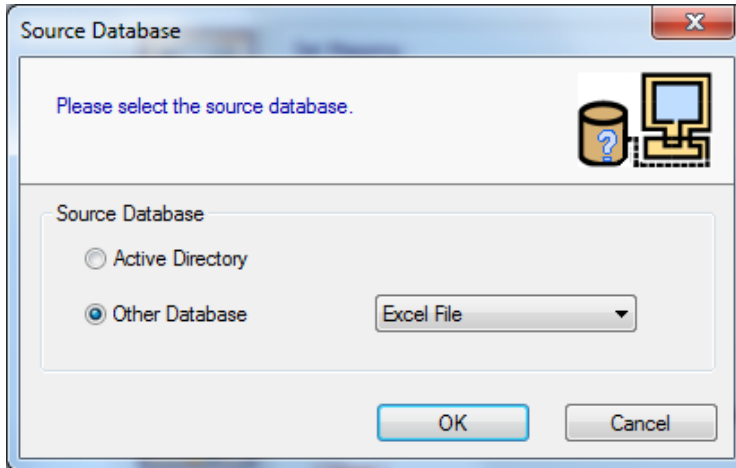


Figure 17-12

3. Locate the storage path of the excel file.
4. Follow the steps in *To map the card / vehicle data* and *To map the user data* in the previous section to match the columns of the excel files with the fields in GV-ASManager.