

Viewing Data Files in the BASIS IDE

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T

he Explorer window of the **BASIS IDE** distinguishes between the various file types that make up a Business BASIC software project. Type-specific icons and context-sensitive popup menus let you see at a glance exactly what types of files a directory contains and then select the appropriate operations for each different file. This article describes the new functionality available in the popup menu of BASIS data files. The Data Viewer provides a convenient way to view the contents of data files. Like the character-based `_browse` utility, the Data Viewer does not allow

developers to edit or create data files, but it provides the ability to open and inspect the files in hexadecimal and ASCII format. Direct integration with the IDE provides an intuitive graphical user interface to a directory of data files and instant availability of the Data Viewer.

To try out the Data Viewer, first ensure that BBj® Services is running and then mount a directory containing BASIS data files into the Explorer. Data files have drum-shaped icons with a super-imposed letter that indicates the type of data file: **S** for SERIAL files, **X** for XKEYED files, **I** for INDEXED files, **M** for MKEYED, etc.

Next, select one of the data files and right click to display the popup menu. **Figure 1** shows an MKEYED file named CUSTOMER, from the Chile Company database, selected in the Explorer. It does not make sense to compile or execute this data file in the IDE, but you can examine it with the View BASIS File operation found at the top of the popup menu.

Selecting the View BASIS File menu item opens the file in the Data Viewer, a special two-tabbed panel loaded in the IDE's Source Editor. Remember not to confuse the "viewer" with the "editor," even though the Data Viewer appears in the Source Editor's frame along with the edited program files.

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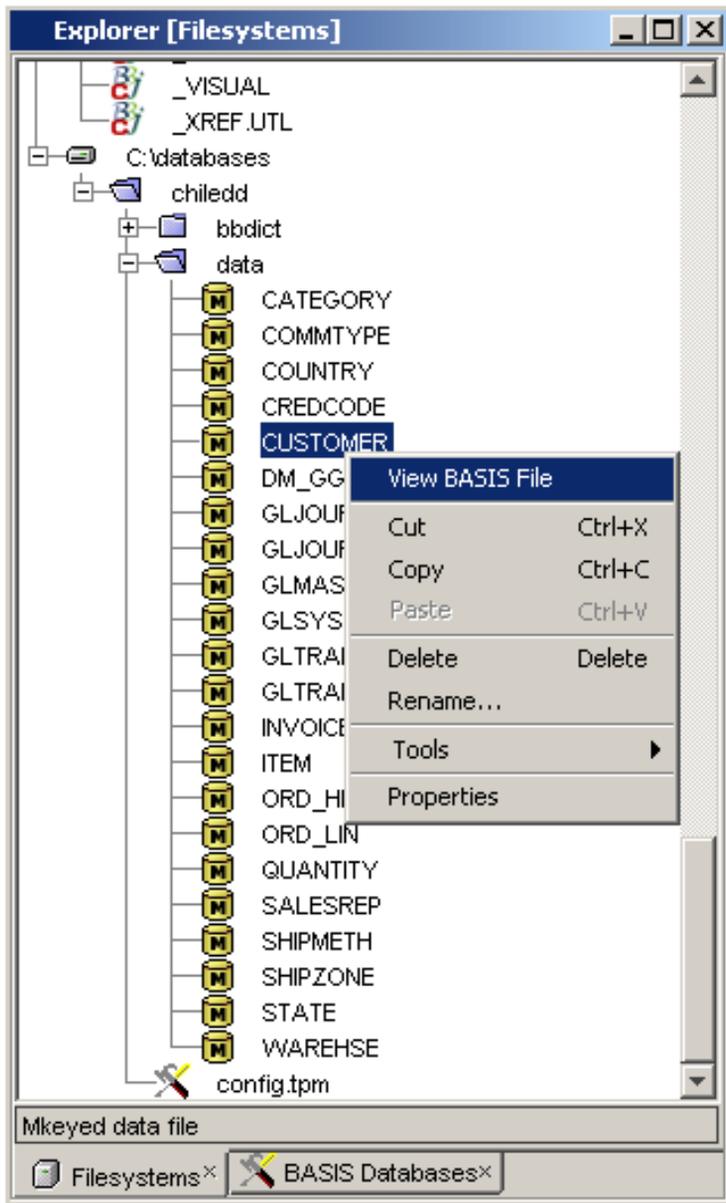


Figure 1. Data Viewer.

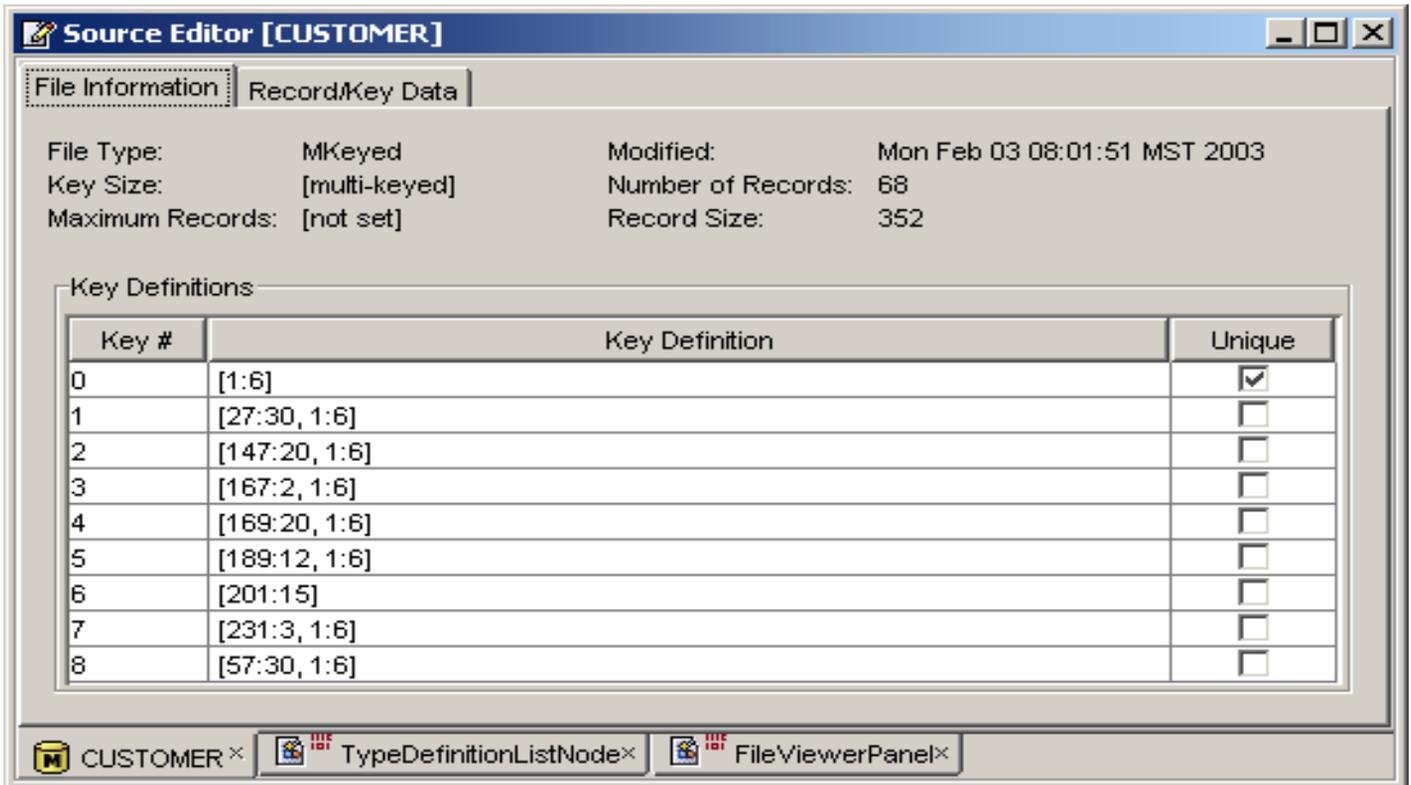


Figure 2. Data Viewer File Information Tab.

In **Figure 2**, the Data Viewer shows the opened CUSTOMER file and the File Information tab. The CUSTOMER file contains 68 records of 352 bytes (characters) each. The file includes nine different keys with one unique key. The Source Editor displays the key definitions following the key number.

Figure 3 shows the Record/Key Data tab, which allows a record-by-record, one-byte-at-a-time interactive examination of the file. A slider at the top of the tab moves through an individual record. The BASIS IDE keeps the hexadecimal and ASCII presentations of the record synchronized as the slider moves back and forth.

The Key Data window in the lower half of the tab shows the hexadecimal and ASCII contents of the nine keys defined in this file as they apply to the current record. Use the buttons at the bottom of the tab to move between records, or to the first or last record of the file.

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