

# EASY VIEW™

Increase Your System i  
Productivity

# EASY VIEW

**E**ASY VIEW is designed to increase productivity on Power Systems™ running IBM i (System i®, AS/400®) for anyone who debugs programs that change database files. It reduces the programmer's frustration level and the need for data file utilities (DFUs) and queries to view or change the contents of database files. Files and records display in easy-to-read and easy-to-use formats.

## Display File Information

You can use EASY VIEW to display every type of data file, including:

- Keyed and arrival sequence files
- Logical files built over one or more physical files, including join files
- Source files
- DDM files to display databases on remote systems
- Multi-member files
- Journal receiver contents

## See Exactly What You Want to See

EASY VIEW makes it easy to check additional records that a program has added. Just display the file in arrival sequence and look at the last records in the file. You see immediately if records are being written correctly. EASY VIEW even formats hexadecimal record printouts to make them easy to read without additional programming. It also handles packed fields and hexadecimal conversions.

When the fields you want to see are 100 positions apart and the only way to see them is to window back and forth, you may find yourself wondering if there is a better way. With EASY VIEW, you just select the fields you want to work with and it displays them next to each other in the order you selected. And, you can store your display formats as data models for later use.

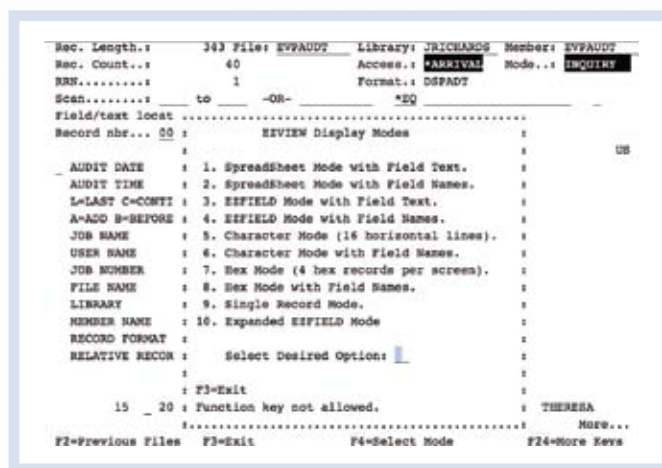
## Multiple Display Modes for Easy Record Viewing

EASY VIEW offers ten different ways to view records using four display modes:

- Spreadsheet mode (one record per line and one field per column)
- EZFIELD mode (one field per line)

- Character mode (unformatted character sequences)
- Hexadecimal mode (unformatted character sequences with hexadecimal codes)

You choose the display mode that suits the file you are currently viewing, and navigate through different modes simply by pressing a key.



*EASY VIEW display modes make it easy to view the information in the format you want.*

## Find and Fix Database Errors

When you need to correct your database files, EASY VIEW makes it easy. You can add new records, print or change existing records, and delete records.

EASY VIEW takes care of packed fields and hexadecimal conversions for you. Fields that don't convert correctly are flagged so you can locate possible decimal errors. You can even custom design your entry screen by picking just the fields you want to display.

## Scan to Replace or Delete Records

EASY VIEW makes it easy to find, edit, or delete records using complex scan criteria. It can scan for values (including null values) in multiple fields using relational operators and AND/OR logic. Use EASY VIEW to replace a field value or null value with a specific value, the value from another field, or the results of a calculation. Or, have EASY VIEW delete unneeded records. You can even submit the operation to batch

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and use EASY VIEW to fix decimal data errors. If you've had a batch record-add program run accidentally, or run twice, you'll love how easy it is to remove those records. Just use the EASY VIEW EZSCAN command with your saved scan definition to scan and replace from a command line, or in batch.

## Display Journal Entries Easily

Have you ever spent hours converting journal images to a readable format? You can use the EASY VIEW Journal to view the entries from journaled files. It's a great tool for hard-to-find bugs. The entries from the journal can be placed in the original file layout.

The EASY VIEW Journal helps you:

- **Find errors by scanning before and after images** of changed records in the original file layout. You view the time, date, workstation, and program that caused the errors, to find the cause quickly.
- **Test your update programs.** You can see the before and after images of the records you changed. Any fields that were updated incorrectly are easy to spot because EASY VIEW converts the hex data to character format.
- **Find the source of unauthorized access to critical data.** You can scan your journal entries for data such as employee number or salary amount. See the workstation, date, and time of access in the journal entry and track file changes required by PCI (Payment Card Industry) regulations.
- **Automate the display of journal output files.** Use the EASY VIEW EZJOURNAL command to automate the process of viewing journal output files. This command provides a user-friendly environment so you can work with journal commands, organize and customize journal entry views, and see your results. Any journal entry views that you create are saved for later use.
- **Review entries from your High Availability (HA) solution.** High Availability products use journals to replicate data across the enterprise. Because these journals are historical logs of file changes to your database, looking at the contents of the journal receiver to see the recorded changes is a very time-consuming and tedious task. EASY VIEW copies the entries out of the journal receiver and places them into an original file field layout for you, making auditing and viewing the database changes much easier.

## Powerful Data Models

Data models are EASY VIEW's replacement for display programs. Instead of coding a display program to define how to present records and which operations to perform, you just define a data model for the file. Then, use the EZVIEWMOD command to display and work with the file.

You can use data models to:

- Omit fields from the display
- Include user-defined fields
- Rearrange field order
- Define authorities—update, add, delete, replicate—for data model users
- Define which fields can be updated
- Define new field text for the model
- Define result cells—fields that show the results of arithmetic operations on numeric fields in the record
- Store scan criteria that you can use to search for records, or to limit the records displayed

## Multiple Exporting Options

EASY VIEW makes it easy to convert file data into a column-delimited file that is readable by any spreadsheet program. Or, you can export parts of a record into a new or existing file.

## Keep Auditors Happy

SOX, HIPAA, and PCI auditors dislike tools that change database files because they circumvent the normal programs that make changes to your database. EASY VIEW provides a complete audit trail of who changed what, and when. You can even generate a report for your auditors.

## Keep Your Databases Secure

You can tailor EASY VIEW to ensure the security of your database. For example:

- Define global defaults and values for specific user profiles.
- Allow programmers to look for database problems caused by program bugs without being able to change the data.
- Prohibit updates to production libraries, allowing changes to test libraries only.
- Create an audit trail record of EASY VIEW database changes.

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It's no accident that Help/Systems creates the world's best software for the System i. When you combine committed development, marketing, sales, support, and administrative people with strong management, processes that really work, a powerful drive to succeed, and a complete dedication to quality, the results speak for themselves. Since 1982, Help/Systems has focused successfully on one goal: To deliver the highest quality software, training, and support possible to help you make your System i the best system for your business needs.

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