

## Monitor and Audit Changes to Your Critical Data



### The Highlights

- Allows you to decide exactly what should be monitored
- Eliminates the need to comb through reams of irrelevant data to find items of interest
- Alerts you to actions that may need to be investigated as soon as they occur
- It is now easy for both business and technical users to define monitoring rules and enquire on significant changes
- Output results to a report or export them at the touch of a button.

# Fraud Detector

## Proactively Monitor for Common Frauds

Unauthorized changes to master data should be investigated promptly as they could be a sign of fraudulent activity.

For example:

- Changes to the Address Book and/or Vendor Bank Account details could be symptomatic of “Dummy Company” fraud
- A large increase in a Vendor Credit Limit may indicate procurement fraud
- A high percentage rise in an employee’s salary may be suspicious and need investigating!

But native JD Edwards doesn’t alert you, so such activity can go undetected for a long time and result in huge losses.

To satisfy compliance regulations requirements, many companies also need to be able to track changes to data in certain files.

Fully integrated within JD Edwards World, **Fraud Detector** is an auditing and monitoring tool which allows you to:

- specify the database items that you wish to monitor
- track all changes to those items
- receive timely notification of unusual activity.

## Simple Definition of Auditing Rules

You can set up straightforward auditing rules to identify which data to track, which actions you wish to monitor, and which users should either be monitored or excluded from monitoring (e.g. those who are permitted to make these changes).

Monitoring can be as granular as you need, as rules can be defined at the File (Table), Row (Record) or Column (Field) level. Fraud Detector will then track ALL changes to those items, even if the updates are made by functions external to JD Edwards World.

For each rule you can specify up to three email addresses to be notified in the event that the monitored change takes place.

## User-friendly Ad Hoc Queries

Both business and technical users can define their own enquiries to find out what changes have been made to a database item, or what changes particular users have made. Once you have defined your query criteria, you can automatically create a new rule that uses those parameters.

## Generate Reports / Export Results

Query results can be output to a report or to a data extract file for external analysis – simply choose the relevant button from the results screen.

Below is an example of **Column Level monitoring**, tracking changes to the data dictionary item ACL (Account Credit Limit), on whichever JDE table it resides. This rule states that only users DEMUSER01 and DEMUSER02 have permission to change the value of ACL . If anyone else changes this item, notifications will be sent to the specified email addresses.

```

Action Code. . . . . I
Rule ID . . . . . CUST01 Customer Master information
Include/Exclude. . . . . I

<--Who--> <-----What----->
User ID. . . Act File ID. . Data Item. Default Value for Entry.
DEMUSER01 C *ALL ACL
DEMUSER02
  
```

The rule below illustrates **Row Level Monitoring**. Changes to any data element of Address Book ID 12345, in whichever table it resides, will be monitored.

```

Action Code. . . . . I
Rule ID . . . . . ADDR01 Address Book Rule 1
Include/Exclude. . . . . I

<--Who--> <-----What----->
User ID. . . Act File ID. . Data Item. Default Value for Entry.
DEMUSER01 * *ALL AN8 12345
DEMUSER02
DEMUSER03
  
```

When reviewing event details, you can display multiple files on a single screen. As you highlight a record in the top half of the screen, the 'Before' and 'After' details are displayed in the bottom half:

Updates to the Address Book Table

```

TU003 Audit Detail Enquiry
User: Upd Pgm From Date: To
User DB File ID AU File ID Evr Upd Pgm Date Time
DEMUSER01 F0101 FAU0101 C P01051 27/03/12 10:50:48 1
VANILLA91 F0001 FAU0001 C P00011 26/03/12 18:30:53 2
VANILLA91 F0001 FAU0001 C P00011 26/03/12 18:20:14 3
VANILLA91 F0001 FAU0001 C P00011 26/03/12 14:43:01 4
VANILLA91 F0001 FAU0001 C P00011 26/03/12 14:42:36 5
VANILLA91 F0001 FAU0001 C P00011 26/03/12 14:41:37 6
VANILLA91 F0001 FAU0001 C P00011 26/03/12 14:40:30 7
VANILLA91 F0001 FAU0001 C P00011 26/03/12 14:39:29 8
VANILLA91 F0001 FAU0001 C P00011 26/03/12 13:49:03 9
Data Item Description Before Image After Image Show All Y
Address Number 0000002 0000002
Long Address Number
Tax ID
Alpha Name Abbot, Dominique test2 Abbot, Dominique Test2
Description - Compressed ABBOTDOMINQUETEST2 ABBOTDOMINQUETEST2
Business Unit 1 1
Industry Classification
Language
Search Type E E
Credit Message
F3=Exit
  
```

Report Sample (spool file)

```

Display Spooled File
File : RTW003P Page/Line 1/1
Control : Columns 1 - 130
Find :
.....2.....3.....4.....5.....6.....7.....8.....9.....0.....1.....2.....3
TU003 J.D. Edwards & Company Page - - - 1
F.D. : Print from Detail Inq Date - - - 2/03/

Rule ID : DEMORULE Demonstration Rule
DB Detail. . .
Event Type DB File Audit File Data Item Data Item Val
* F0001 FAU0001 *ALL *ALL
* F0006 FAU0006 *ALL *ALL
* F0101 FAU0101 *ALL *ALL

Sel. User : N/A Sel. Event : & Sel. Program : N/A Sel. Fr Date : N/A Sel. To Date : N/A
User : DB File ID : AU File ID : Event : Upd Pgm : Upd Date : Upd Time :
LEITHD091 F0101 FAU0101 C P01051 24/02/10 18:38:23
Data Item Field Description Before Image After Image
ABANB Address Number 00002014 00002014
ABALXY Long Address Number ENERGY ENERGY
ABTAX Tax ID
ABALPH Alpha Name Action Energy Action Energy some new text
ABDC Description - Compressed ACTIONENERGY ACTIONENERGYSOMENEXT
ABNCU Business Unit 1 1
ABASIC Industry Classification
More...
F3=Exit F12=Cancel F19=Left F20=Right F24=More keys
  
```



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