

RAZ-LEE

iSecurity
AP-Journal



Real-time Database Monitoring & Reporting

iSecurity AP-Journal logs database access (READ operations) directly into journal receivers, which is not provided by IBM i journaling and is an important component of compliance.

Business Intelligence Traceability

Due to have information from Multiple Sources, usually most systems bring the latest results, but most of the time we need to know all the changes done to the data before making a good Business decision.

- With its unique technology, **AP-Journal** logs database access (READ operations) directly into the journal receivers. This functionality, which OS/400 journaling does not provide, constitutes an important component of compliance.
- By providing a timeline report of all changes relating to application data, **AP-Journal** reduces unauthorized activity and enables users to meet regulatory requirements. It also issues real-time alerts to inform managers of any changes in application databases or unapproved access to critical data.



iSecurity AP-Journal Insights

iSecurity AP-Journal Protects Business-critical information, and notifies managers of any changes to information assets and streamlines IBM i journaling procedures.

Our Solution:

- ✓ Users can integrate information from various files and view all changes relating to a specified business item.
- ✓ In addition, **AP-Journal** helps enforce business rules by triggering external functions.



iSecurity
AP-Journal

Let's see our Product in Action!

The best way to see how it works is a demo with **iSecurity AP-Journal** running on a real environment.



RAZ-LEE

Screen Report

Display Database Updates RRN: 2

Name : JORDE Order Entry

Job : QPADEV0006/QSECOFR/711561 File : JDORDDT UP Update

Date-Time . . : 2008-06-11-14.31.12 Library . . : SMZJDTA

User : QSECOFR Member . . . : JDORDDT

Program . . . : JDORDDTD IP address : 1.1.1.158

Field/Text	After	Before
DORDNO	000002	000002
DLINNO	1.	1.
DITMCD	MIK/3211-1	MIK/3211-1
DQUANT	1120.00	1106.00
DPRICE	15.00	11.06
DDDATE	2008-07-01	2008-07-01

F3=Exit F7=Subset F8=Pri ext **F12=Cancel** Bottom F17=Top

Display data before & after any changes which were made from a specific IP address

Html Report

iSecurity		DEMO			S720	
DSALE DEMO					S720	Page: 15/04/10 16:
User	Operation	File	Library	Member	Current value	Before value
JR	Update	PRODLIST	ADTSLAB	PRODLIST	Partno, PartD	2007-09-18-11
>>>	Part Number				00003	00002
JR	Write	PRODLIST	ADTSLAB	PRODLIST	Partno, PartD	2007-09-18-11
>>>	Part Number				00004	
JR	Update	PRODLIST	ADTSLAB	PRODLIST	Partno, PartD	2007-09-18-11
>>>	Part Number				00003	00003
>>>	Part Desc				Part #-3 (Journal)	PART NO-3 (Journal)
JR	Update	PRODLIST	ADTSLAB	PRODLIST	Partno, PartD	2007-09-18-11
>>>	Part Number				00004	00004
>>>	Part Desc				Part #4 (On Demand)	PART #4 (On Demand)
JR	Update	CUSTOMER	ADTSLAB	CUSTOMER		2007-09-18-11
>>>	City				Boca Raton	Boca Raton, FL
JR	Update	CUSTOMER	ADTSLAB	CUSTOMER		2007-09-18-11
>>>	City				Jacksonville	Jacksonville, FL
JR	Update	CUSTOMER	ADTSLAB	CUSTOMER		2007-09-18-11
>>>	Company name				Sudbury Radio & TV	Sudbury Radio and TV
JR	Update	PRODUCT	ADTSLAB	PRODUCT	Product detail (no bitmap): KEY-PARTNO,MODEL	2007-09-19-09
>>>	Wholesale price				45.50	33.82
>>>	Retail price				40.00	38.00
>>>	Volume discount				Y	N

GUI Report

The screenshot displays the iSecurity Navigator interface. On the left, a tree view shows the system structure, including 'Australia', 'Italy_6.1_IBM', and 'S520_Local'. Under 'S520_Local', the 'iSecurity [1]' folder is expanded, showing various security components like 'Anti-Virus', 'Audit', and 'Journal'. The 'Application Outputs' section is selected, displaying a list of entries.

The main window shows a table of application outputs with the following columns: Entry type, Job name, User name, Job number, User profile, Program name, Program library, Object name, Objects library, and Member. The entries are all of type 'Update' and involve the user 'QSECOFR' with job number '407873'.

A 'DEMOA Details' dialog box is open, providing specific information for the selected entry:

- Job: QPADEV000H/QSECOFR/407873
- Date: Jul 17, 2012
- IP address: 1.1.1.164
- File: SMZJDTA/JDORDDT
- User: QSECOFR Security Officer
- Time: 12:11:13 PM
- Program: SMZJ/JDBLDDR
- Member: JDORDDT

Below the details, a table shows field changes:

Field name	Field text	Before	After	Changed
DORDNO	ORDER NUMBER	103476	103476	No
DLINNO	LINE NUMBER	1.	1.	No
DPRICE	PRICE	10.40	10.15	Yes

The interface also includes navigation controls like '< Previous' and 'Next >' buttons, and a 'Retrieve the next set of data' button at the bottom.

Business Intelligence Report

The screenshot displays the iSecurity Business Intelligence Report interface. On the left is the 'iSecurity Navigator' tree view. The main area shows 'Application Definitions' with a filter table and a data table. A pie chart visualizes the data from the table. The status bar at the bottom shows 'Items(Selected/Total) 0/2' and 'Records(Selected/Total) 0/1340'.

iSecurity Navigator Tree View:

- S720 Demo
 - S720 Local
 - Security [1] - Mar 16, 2010 10:10:23 A
 - Anti-Virus
 - Audit
 - Authority On Demand
 - Business Intelligence
 - Capture
 - Central Administration
 - Compliance Evaluator
 - Firewall
 - Journal
 - Application Definitions
 - Application Outputs
 - Logs
 - Maintenance
 - Password
 - Queries and Reports
 - Screen
 - User Management
 - View
 - S720 Remote

Filter Table:

Filter 1	Filter 2	Filter 3
<input checked="" type="checkbox"/> Date	Jan 31, 2010 - Mar 16, 2010;	
<input checked="" type="checkbox"/> Operation	UPDATE ;	
<input checked="" type="checkbox"/> IP Address	1.1.1.192 ;	
<input checked="" type="checkbox"/> Job name	QPADEV0019;	
<input checked="" type="checkbox"/> Program	JDBLDDR ;	
<input checked="" type="checkbox"/> Object	JDORDDT ;	

Data Table:

Line	Quantity
1	675
2	665

Pie Chart Data:

Line	Quantity	Percentage
1	675	50%
2	665	50%

Status Bar:

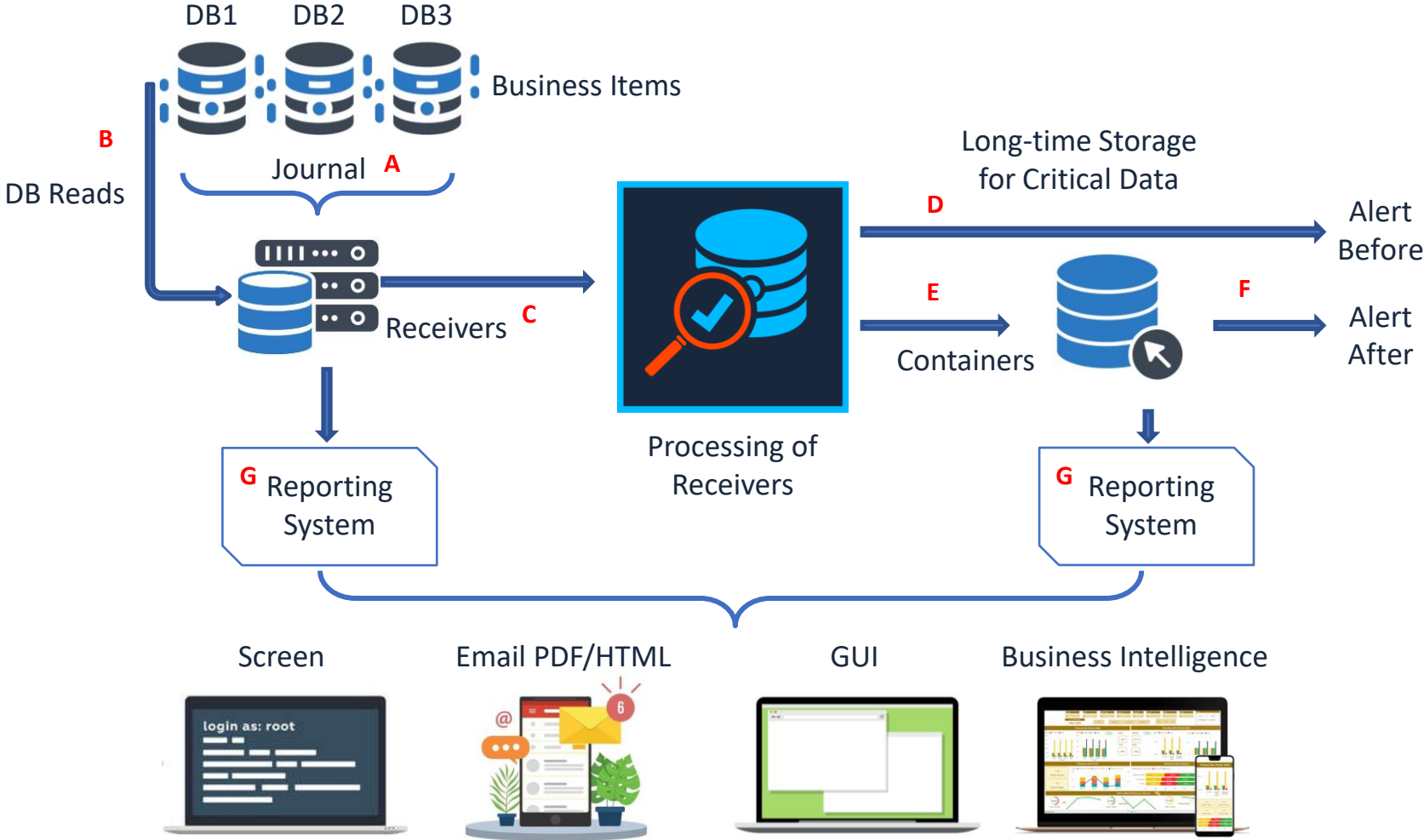
Items(Selected/Total) 0/2 Records(Selected/Total) 0/1340

| Advantages on our Solution

iSecurity AP-Journal has Output as Online, Print, HTML, PDF, Outfile & Email Reports. It can be used from iSecurity Visualizer to have BI Reports.



Workflow



When could AP-Journal be Useful?

When u need to answer complicated questions like:

- Who modified file PAYMENTS between 20:00 and 06:00 during vacation; among those, who reduced the PAYMENT_AMOUNT by more than 15%?
- Who worked on the SALARY file during non-standard business hours, and accessed employees whose salaries exceed \$5,000 monthly?
- Provide a timeline report of all changes made to his MORTGAGE (covering the dozens of files in the MORTGAGE application), during the past 25 years.
- Send an SMS message and e-mail to the company's Chief Security Officer when the PRICE_OF_ITEM changes by more than 4%.
- Send a SYSLOG message and operator message when the PRICE_OF_ITEM for an ITEM shipped last month changes by more than \$6.20.
- Send an e-mail when anyone accesses the record of an employee whose monthly SALARY is greater than \$5000.
- What changes to the hospital's PATIENTS file were made via utility application DFU?
- And so on...

SIEM for Database Journals

To support database journals send to SIEM we have the product **SIEM & DAM Support**. This product, relevant to SIEM, provides:

- ✓ Filter according to “before” or “after” values of each database field. Boolean And/Or, EQ, GT, LE... N/LIKE, N/LIST... conditions refer to percentage or absolute value changes
- ✓ Can send only Committed transactions.
- ✓ Supports 3 SIEMs in parallel.
- ✓ Runs on a High Availability system, reducing performance impact on Production Systems



iSecurity AP-Journal Advantages

- ✓ Addresses **PCI, SOX, HIPAA, NIS2, DORA**, etc. requirements.
- ✓ Long-term storage of sensitive information, independent of journal receiver lifecycle.
- ✓ Advanced filtering enables saving only important information, to suit storage limits.
- ✓ READ operations selectively added to Journal, for compliance with PCI requirements.
- ✓ Real-time alerts on changes in business-critical data & access, sent as operator messages, e-mail, SMS, SYSLOG; CL Scripts execution.
- ✓ Timeline and cross-application reports based upon user-defined business items.
- ✓ Report data can include key fields, description fields and modified fields (highlighted).



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