

RAZ-LEE iSecurity

Your IBM i Security Experts



Capture 5250

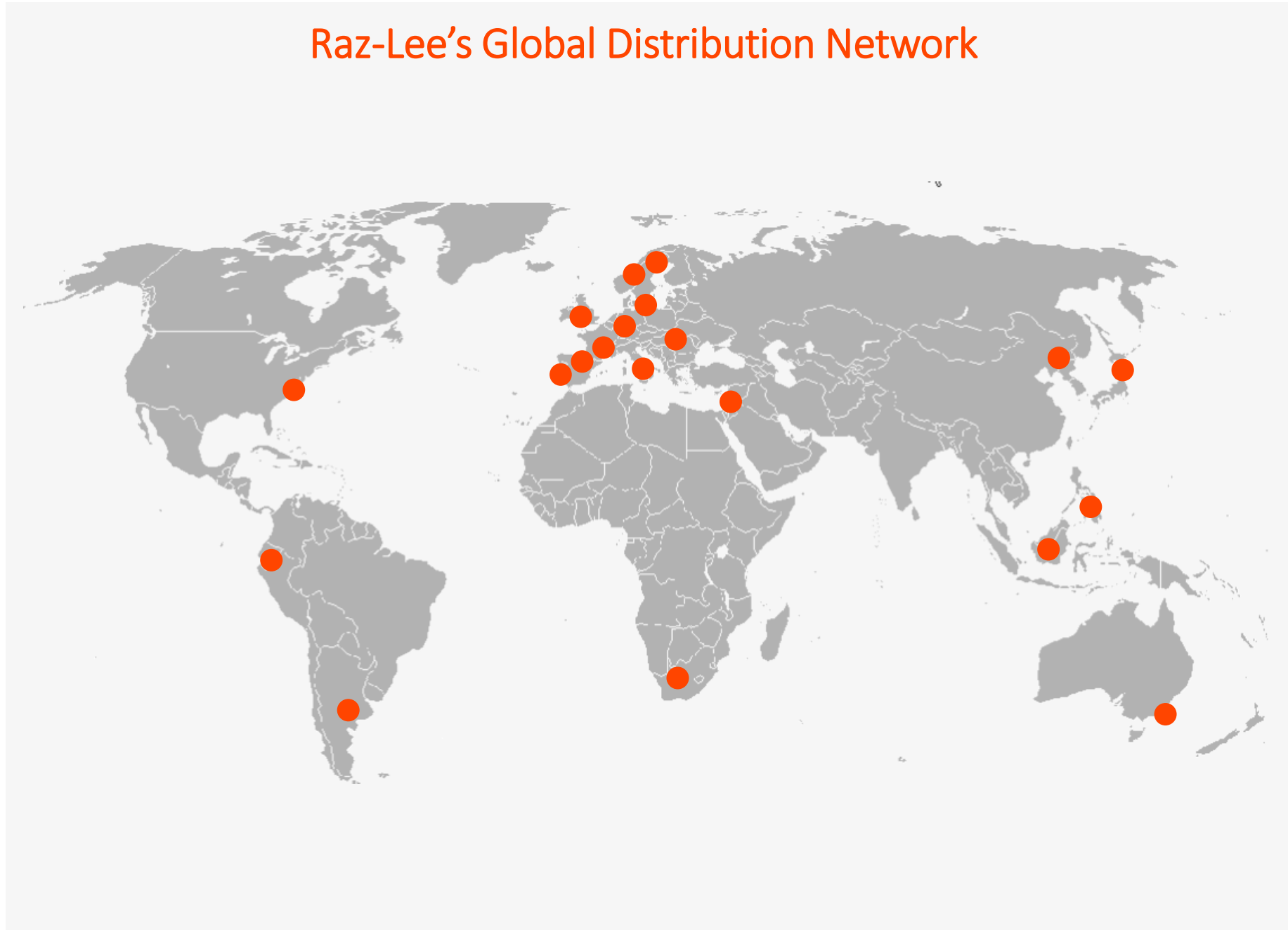
with Business Items

Raz-Lee Security – Mission & Product Lines

“ Raz-Lee Security is committed to providing the best and most comprehensive IBM i compliance, auditing and security solutions ”

- Founded in 1983
- 100% focused on IBM i (AS/400)
- Corporate offices in: US, Italy, Germany
- Installed in more than 40 countries, over 12,000 licenses
- IBM Business Partner
- Integration Partner with Tivoli and Qradar
- Partnerships with other major global SIEM & DAM solution providers:
 - Official partnerships with McAfee, RSA enVision, HP OpenView, GFI, NNT
 - OEM by Imperva SecureSphere
 - Proven integration with ArcSight, CA UniCenter, Splunk, Juniper
- Worldwide distribution network

Raz-Lee's Global Distribution Network



iSecurity: Selected Customers

- CHS (Community Health Systems, US)
 - ~200+ systems and growing
 - Replaced Powertech
- Royal Bank of Scotland
 - Purchased iSecurity after POCs of nearly ALL competitors!
- Venetian Casinos (multi-national)
 - Purchased iSecurity following extensive compliance POC.
- Euronet Worldwide
 - Banking clearinghouse in Europe & Asia
 - Replaced competitor with iSecurity.
- Svenska Handelsbanken
 - One of the largest banks in Scandinavia
 - Used competitor for several years; replaced it with iSecurity.

Internationally renowned IBM i solutions provider



iSecurity

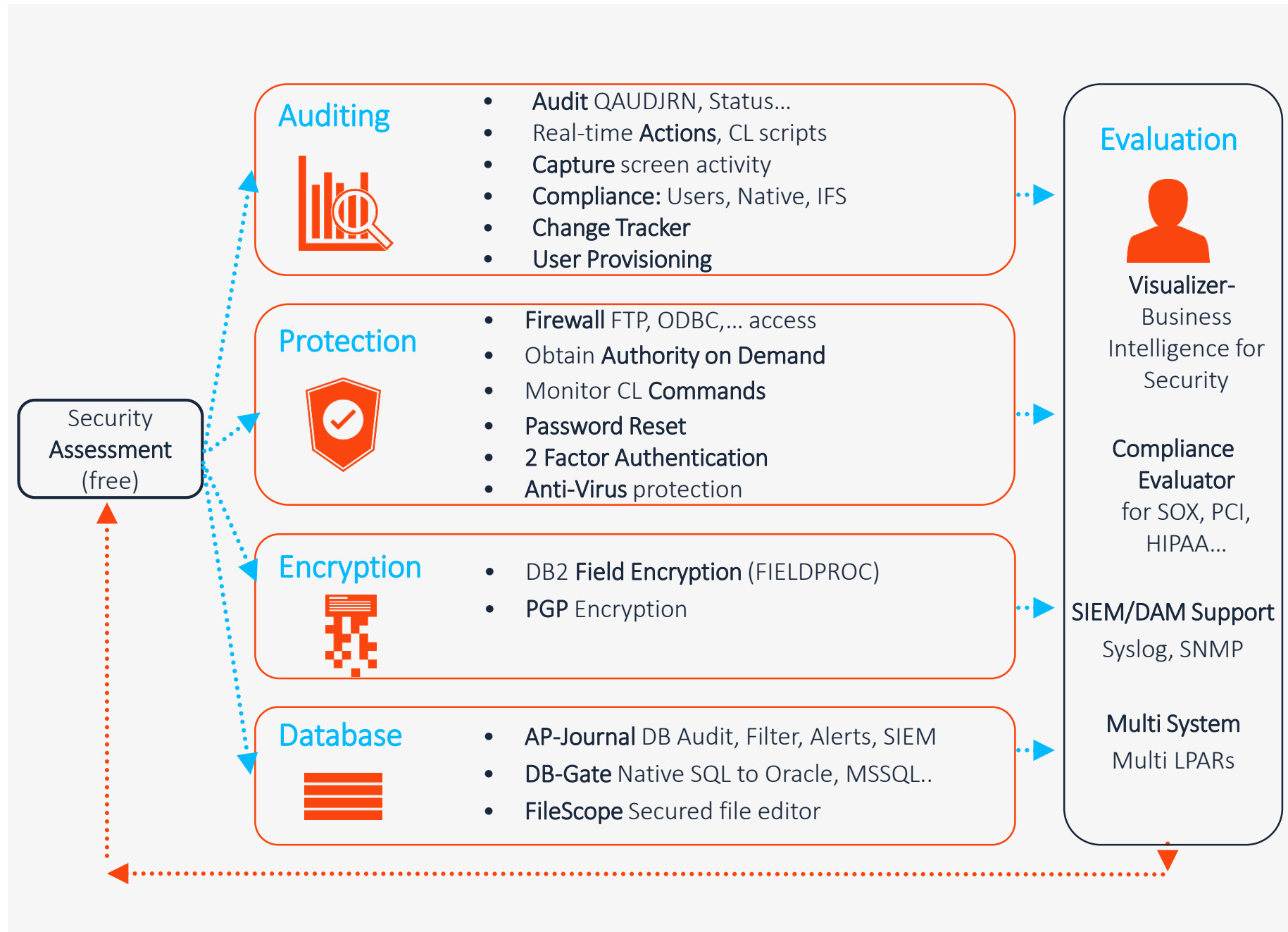
Characteristics

The leader in IBM i security with on-going product development

- Full GUI and green screen - short learning curve, ease of use
- Visualizer Business Intelligence analysis
- Hundreds of built-in, customizable reports. Report/Query Generator and Scheduler produces print, screen, HTML, PDF, CSV e-mailed reports.
- Wizards, Real Time/Periodical, Alerts. All done on IBM i
- Supports SIEM with CEF, LEEF formats; Sends SYSLOG, SNMP, Twitter, e-mail, SMS, etc.
- Cross-enterprise reporting, definitions, logs
- Exceptional performance on all sizes of systems
- Unique products: Capture, Change Tracker, DB-Gate, Anti-Virus

iSecurity Suite of Products

- GDPR, PCI, HIPAA, SOX, JSOX, FDA
- Local Regulations
- Auditor's Requests
- Detect Security Breach
- Management Decision



iSecurity Capture

- iSecurity Capture is a 5250 screen tracking solution that silently photographs, saves and plays back user sessions on the IBM i server.
- Screens are captured and stored in real-time, arranged according to individual capture 'sessions', easily retrievable, have flexible scrolling, and a powerful free-text search engine.



Key Features

- Tracks and monitors suspicious users
- Runs a playback of all captured screens
- Includes powerful text search tools
- Complete solution for common industry tracking regulations (banking, insurance, etc.), including documenting of queries
- Real-time screen capture and storage
- Collection and documentation of CL Scripts
- Screen captures are selectable by various criteria
- Option for notifying users upon sign-in that their screens are being recorded
- Fully integrated with Audit
- Assists Help Desk and technical support by playing back user screens
- Legally valid evidence in court

iSecurity Capture

New Features

- New auto compression and decompression feature
- Compression of 1,300 screens to 1MB
- Maintain log based on retention period
- Send Capture screens in HTML/PDF format, with ZIP
- Enhanced web support
- Capture BI allows extraction of field information from displayed screen without human definition of the screens
- Capture BI survives display file changes



Capture 5250

- Runs on the IBM i
- Captures screen activity of Terminal & Terminal emulation
- Captures 24x80 and 27x132 screens
- Requires no user intervention
- Near zero performance impact
- 3-5KB per screen -> 3-5MB per user per day



Capture

The User's / Employer's point of view

- CCTV cameras surround us in the street, lobby, and corridor
- Capture is a camera in the most important location - the computer!
- Capture records 5250 activity which is not “personal activity”
- Optional user awareness message at start of session (recommended)
 - Work-related activities are normally of higher quality when performed with the knowledge that all screen images are being recorded
 - The security aspect
 - Easy to explain and use as evidence
 - Legally accepted – data cannot be altered (WORM files)



Capture

- Capture All or Selective
- Selection can be made according to:
 - Terminal name
 - User
 - IP
 - Subsystem
- Special command to force a start of Capture (e.g. when another iSecurity module identifies suspicious activity)



Capture Playback Capabilities

- Textual search in a single screen session or across multiple sessions
- Print
- HTML and Email
- User specified retention period (in days)
- Automatic backup mechanism
- Backup can be loaded and used while the system is working



NEW! - Capture with Business Items

- Captured screen data is accompanied by:
 - Display File name and library, Record format
 - Last program name and library, Statement Id
 - Last high-level function (Menu, Command, Program...) and name
- Data is kept in a convenient manner – one record per screen
- Provides a solid base for accurately understanding the nature of the displayed data
- Comparing the “Last source change date” at the time of definition and at the time of the display, prevents identification errors due to changes in the display file structure
- With its playback capabilities – Capture is an indisputable problem analysis tool



Business Items

- Each Business Item is defined by:
 - Display file & record format where it appears
 - The exact location is by either:
 - Position
 - Column title
 - Preceding text
 - Last source change date of the display file
- Business items extraction can be near activity time or delayed
- Display file “Source change date” is checked to verify accuracy
- Possibility to display screens or sessions which referred a specific business item



Capture with Business Items



Time Table

- Captured screen data is accompanied by:
 - Display File name and library, Record format
 - Last program name and library, Statement Id
 - Last high-level function (Menu, Command, Program...) and name
- Data is kept in a convenient way – one record per screen
- Definition of Business Items location
- Extraction of Business Items

Major iSecurity Products



AP-Journal, Firewall, Audit

- **AP-Journal** – Powerful, unique application security:
 - includes real-time threshold-activated alerts per application fields
 - changes to business-critical data are highlighted
 - displays both “before” and “after” data images
 - generates cross-application timeline reports of all data changes/updates
 - also monitors and reports on READ access to fields
- **Firewall** - Provides total protection of ALL company’s critical files, libraries, etc. from network intrusions, viruses, and unauthorized usage.
- **Audit** – Enables easy auditing of ALL company’s critical files, users, jobs, objects, etc. Includes more than 200 built-in, customizable reports which can be scheduled to run at pre-set dates and times.

Example

Italian Law for Protecting Personal Data

- These rules require banks to establish systems for monitoring business risks and to verify the reliability and safety of the information systems, and to establish indicators of any anomalies (i.e. alerts) in order to assist subsequent audits.
- It is considered appropriate to require certain measures in order to implement alerts to detect intrusions or unusual access to the bank's data.
- The bank must activate specific alerts that identify abnormal behavior or risk related to operations carried out by the processor.
- The tools used by the banks to monitor access to databases should produce log files for all the applications accessed.



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