

RAZ-LEE

iSecurity
Antivirus



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Antivirus

ICAP Client Offload Resources

Advanced threat protection solution for defending IBM i
IFS files against malware.



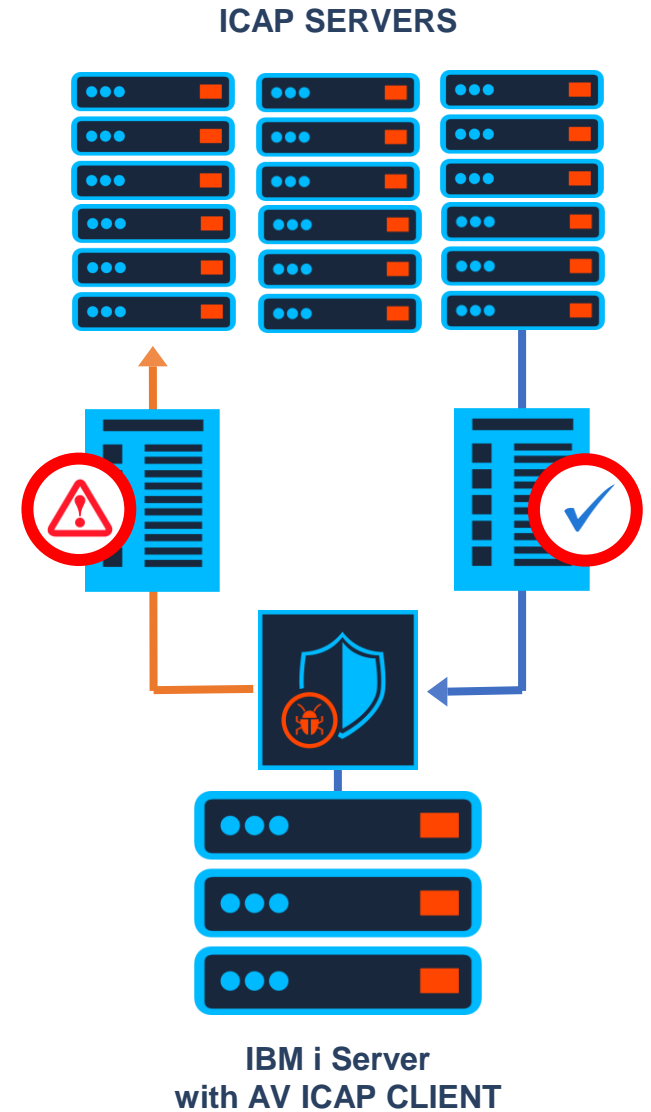
RAZ-LEE

Virus Scan Load

We all know that scan of AV consumes high amount of CPU. AV has to compare each position of the file to see if it starts with one of the millions signatures.

This takes time...

Raz-Lee Security has enhanced **iSecurity Antivirus** with the addition of the **ICAP Client**. Virus scans tend to be CPU-intensive because they scan millions of possible virus signatures.



iSecurity Antivirus Insights

iSecurity Antivirus scans all files, offers comprehensive virus detection and prevents your IBM i from becoming an infection source.

Our Solution:

- ✓ Raz-Lee's iSecurity Antivirus software cannot be disabled by any known virus.
- ✓ Runs Local at the IBM i server or on ICAP Client.
- ✓ Based on **ClamAV** Engine Developed by Cisco and Distributed as part of AIX package on IBM.



iSecurity
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Let's see our Product in Action!

The best way to see how it works is a demo with
iSecurity Antivirus ICAP Client running on a real
environment.



RAZ-LEE

Antivirus in Action (Native Interface)

```
AVAV                               Antivirus                               RL74A

Real-Time Detection
  1. Activation

Scan IFS Directory
  11. Scan in Batch
  12. Scan On-Line
  13. Schedule Scan
  14. Scan a STMF (by AVAPIAV API)

Various Definitions
  21. Refresh, Definitions, ICAP

Quarantine
  31. Work with Quarantined Object

Selection or command
===> █

Reports
  41. Display Log
  43. Display Log (IFS)
  44. Work with Log Directory (IFS)
  45. Display Journal

Related Products
  61. Object Integrity Control
  62. Anti-Ransomware
  69. Other Related Modules

Maintenance
  81. System Configuration
  82. Maintenance Menu
  89. Base Support

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=Information Assistant   F16=System main menu
```

Installation Screen (GUI)

The screenshot displays the 'Install Products' window within an 'Organizational Dashboard/iSecurity [1]/Install Products' environment. The interface is divided into two main sections: 'Select product/s:' and 'Select system/s:'. Both sections include a search bar with 'Checked/Unchecked' filters and a 'Browse...' button. The 'Select product/s:' section contains a table with the following data:

Product
<input checked="" type="checkbox"/> Anti-Virus, Anti-Ransomware - 07.67 22-07-14
<input type="checkbox"/> Auth-on-Demand,Pwd-Reset - 06.21 22-08-11
<input type="checkbox"/> Auth-on-Demand,Pwd-Reset - 06.24 22-11-16
<input type="checkbox"/> Capture - 05.14 22-09-18
<input type="checkbox"/> DB-Gate - 02.60 19-05-20
<input type="checkbox"/> DB-Gate - 02.70 22-05-12

The 'Select system/s:' section contains a table with the following data:

System	Description
<input type="checkbox"/> RLDEV	Razlee Develop
<input checked="" type="checkbox"/> RLPRV	Razlee Production
<input checked="" type="checkbox"/> RLDEMO	Demo system Audit release 14.16
<input type="checkbox"/> RL74B	Test Yoel
<input type="checkbox"/> RL74A	Demo system

At the bottom right of the window, there is an 'Install' button. Three red circles with numbers 1, 2, and 3 are overlaid on the image to highlight the selected product, the selected system, and the 'Install' button, respectively.

Activation Screen (GUI)

The screenshot shows the iSecurity GUI with the following components:

- Navigation Pane (Left):** Organizational Dashboard, razlee1, razlee2, razlee3, RL74A, iSecurity [1] - Aug 23, 2021 11:00, Anti-Virus, Definitions, Refresh, Scan, **Activation**, Alerting, Anti Virus Log, General Definitions, Real-Time ("on access"), Start a New Log file, Anti-Ransomware, Object Integrity, Audit, Authority On Demand, Capture 5250, Change Tracker, Compliance, Encryption, Firewall, Journal, Logs, Maintenance, Multi-System, Password.
- Main Content Area:**
 - Anti-Virus status: **Active**
 - Activation**
 - Activate Anti-Virus [Apply]
 - Deactivate Anti-Virus [Apply]
 - Exit Programs**
 - Work with Exit Programs [Open...]
 - Monitor jobs**
 - Work with active monitor jobs [Open...]
- Active Monitor Jobs (Overlaid Window):**

Job	User	Number	Type	Status
QZSHSH	SECURITY5P	419113	B	*ACTIVE
AV#AVLOG	SECURITY5P	419111	A	*ACTIVE
ANTIVIRU01	SECURITY5P	419112	B	*ACTIVE
QPOZSPWP	SECURITY5P	419114	B	*ACTIVE
QPOZSPWT	SECURITY5P	419192	B	*ACTIVE

| Advantages on our Solution

iSecurity Antivirus ICAP Client outsources CPU-intensive tasks to external servers.



Why to choose iSecurity Antivirus?

ClamAV engine implementation brings

- A database of over eight million virus signatures.
- Signatures are continually updated.
- Recent, leading-edge technologies.
- Improved scanning based on up-to-date algorithms.
- Significantly faster scanning of PDF, ZIP and other file types.
- Reduced load time of the signatures.

iSecurity implementation brings

- Only New Scanning.
- On-Access Scanning.
- On-Demand Scanning.
- Scheduled Scanning.
- Cannot be disabled by any known virus keeping the server protected without interruption.
- API enables scanning at will of a single file.
- ICAP – Client / Server Technology.

Why to choose Antivirus with ICAP Client?

- ✓ When the **ICAP Client** is enabled, **iSecurity Antivirus** can hand off virus scanning to an inexpensive external server.
- ✓ **ICAP** client reduces CPU usage and CPU peaks while enabling an organization to use the virus scanning solution of its choice.
- ✓ The portion of the IBM i CPU that would have been used for virus scanning becomes available for other purposes.
- ✓ The organizational antivirus server can run virtually any antivirus that exists in the market, including **Symantec, McAfee, Kaspersky, and Sophos**.



Based on ClamAV

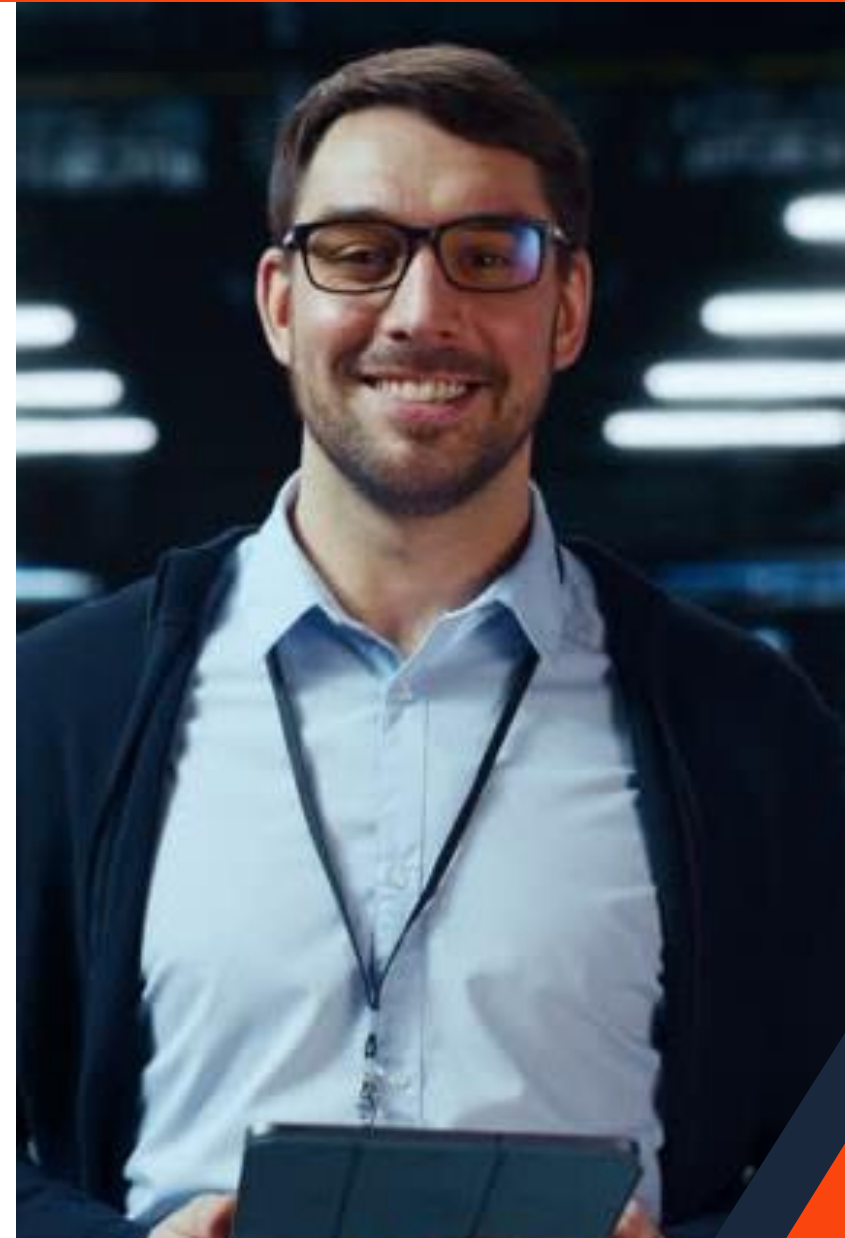


- ✓ iSecurity Antivirus uses ClamAV for scanning malware
- ✓ ClamAV is owned by Cisco
- ✓ Open-source, Cross-platform
- ✓ Considered as One of the Five best antiviruses

iSecurity Antivirus Advantages

Organizations that have multiple LPARs especially if those have little core slices, can use this to offload the scan performance burden (5-8 million signatures) to an external **ICAP** server.

- ✓ ICAP outsources CPU-intensive tasks to external servers.
- ✓ As a result the performance impact on the IBM i is lessened.
- ✓ With ICAP – Any antivirus can be used.
- ✓ Most suitable for Multiple LPAR Organizations



RAZ-LEE

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