RAZ-LEE

iSecurity

SIEM & DAM Support

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Real-time Syslog alerts from iSecurity modules

iSecurity SIEM & DAM Support works with every product that supports SYSLOG, like IBM QRadar, Splunk, McAfee, RSA, Datadog, GFI Solutions, ArcSight, Sumo HPOpenView, CA UniCenter and others.

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Syslog in Real Time

Real-time Syslog alerts sent from all **iSecurity modules** are fully integrated with **leading SIEM/DAM products**.

iSecurity SIEM & DAM Support works with every product that supports SYSLOG, like IBM QRadar, Splunk, McAfee, RSA, Datadog, GFI Solutions, ArcSight, Sumo HPOpenView, CA UniCenter and others.

Integration with Imperva SecureSphere DAM (OEM by Imperva) and McAfee Database Security DAM

Integration with SIEM products for forensic analysis of security-related events is an increasingly important requirement at companies worldwide; indeed, **Raz-Lee's iSecurity** suite has supported Syslog-to-SIEM for many years.

SIEM - Security Information and Event Management

DAM - Database Activity Monitoring

iSecurity SIEM & DAM Support Insights

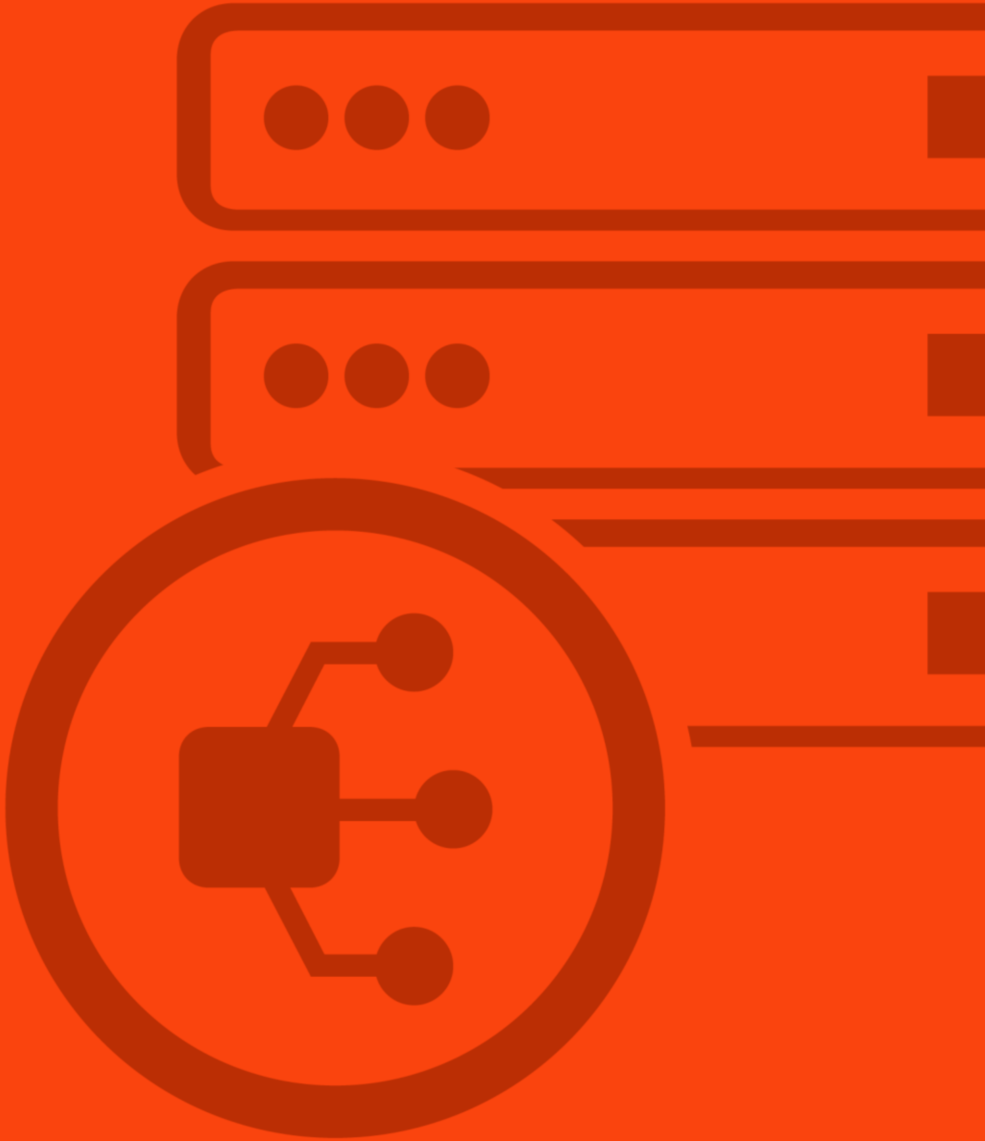
iSecurity SIEM & DAM Support monitor and send the following simultaneously.

- ✓ Journals QAUDJRN, QVPN, QIPFILTER, QIPNAT, QACGJRN, QQOS, QSNMP, QDSNX, QZMF (Covering activity of System log, VPN, IP-Filter, IP-Nat, Quality-of-service, SNMP,…)
- ✓ Messages from QHST, QSYSOPR.
- ✓ Messages from any message queue.
- ✓ IFS logs – such as those of Apache, WebSphere.
- ✓ Messages that user programs wish to send.
- ✓ Messages from other **iSecurity** modules.

iSecurity
SIEM & DAM Support

Let’s see our Product in Action!

The best way to see how it works is a demo with **iSecurity SIEM & DAM Support** running on a real environment.



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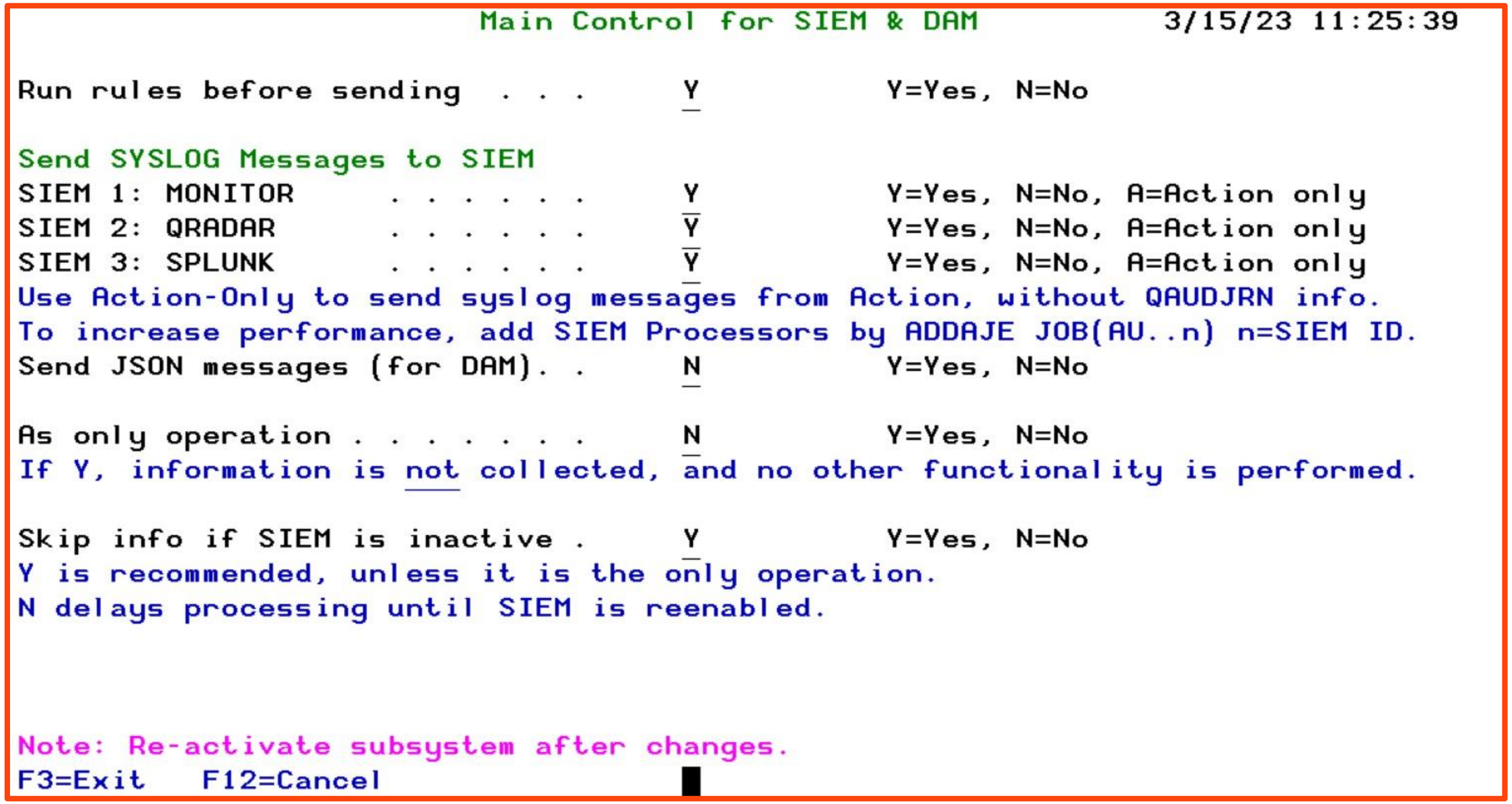
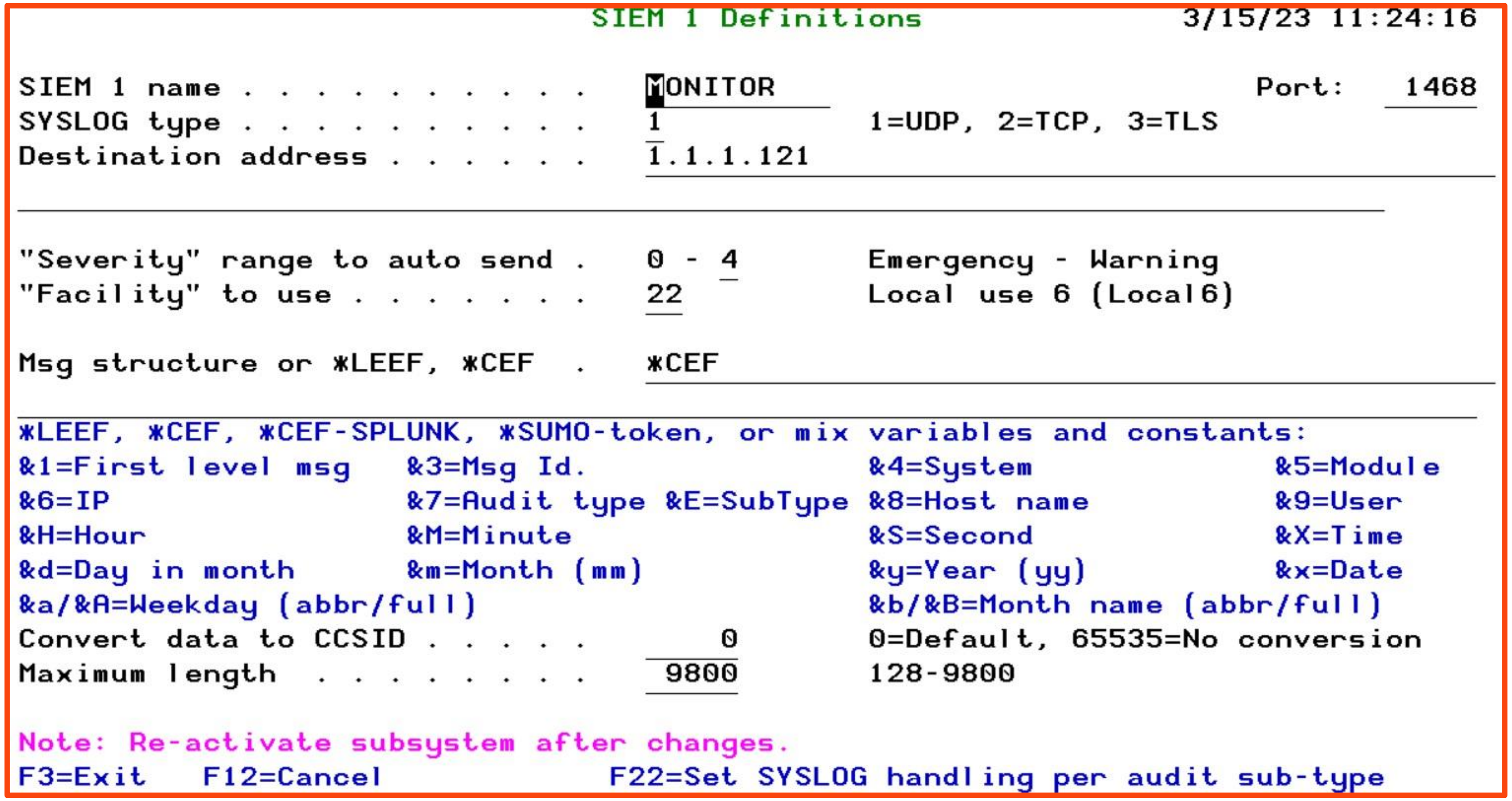
SIEM Main Control



```
                           Main Control for SIEM & DAM          3/15/23 11:25:39

Run rules before sending  . . .     Y          Y=Yes, N=No

Send SYSLOG Messages to SIEM
SIEM 1:  MONITOR      . . . . . .   Y          Y=Yes, N=No, A=Action only
SIEM 2:  QRADAR       . . . . . .   Y          Y=Yes, N=No, A=Action only
SIEM 3:  SPLUNK       . . . . . .   Y          Y=Yes, N=No, A=Action only
Use Action-Only to send syslog messages from Action, without QAUDJRN info.
To increase performance, add SIEM Processors by ADDAJE JOB(AU..n) n=SIEM ID.
Send JSON messages (for DAM). .     N          Y=Yes, N=No

As only operation . . . . . . .     N          Y=Yes, N=No
If Y, information is not collected, and no other functionality is performed.

Skip info if SIEM is inactive .     Y          Y=Yes, N=No
Y is recommended, unless it is the only operation.
N delays processing until SIEM is reenabled.



Note: Re-activate subsystem after changes.
F3=Exit    F12=Cancel
```

SIEM Definition

- ✓ Filtering by the range of severities.
- ✓ Only severe messages are sent.

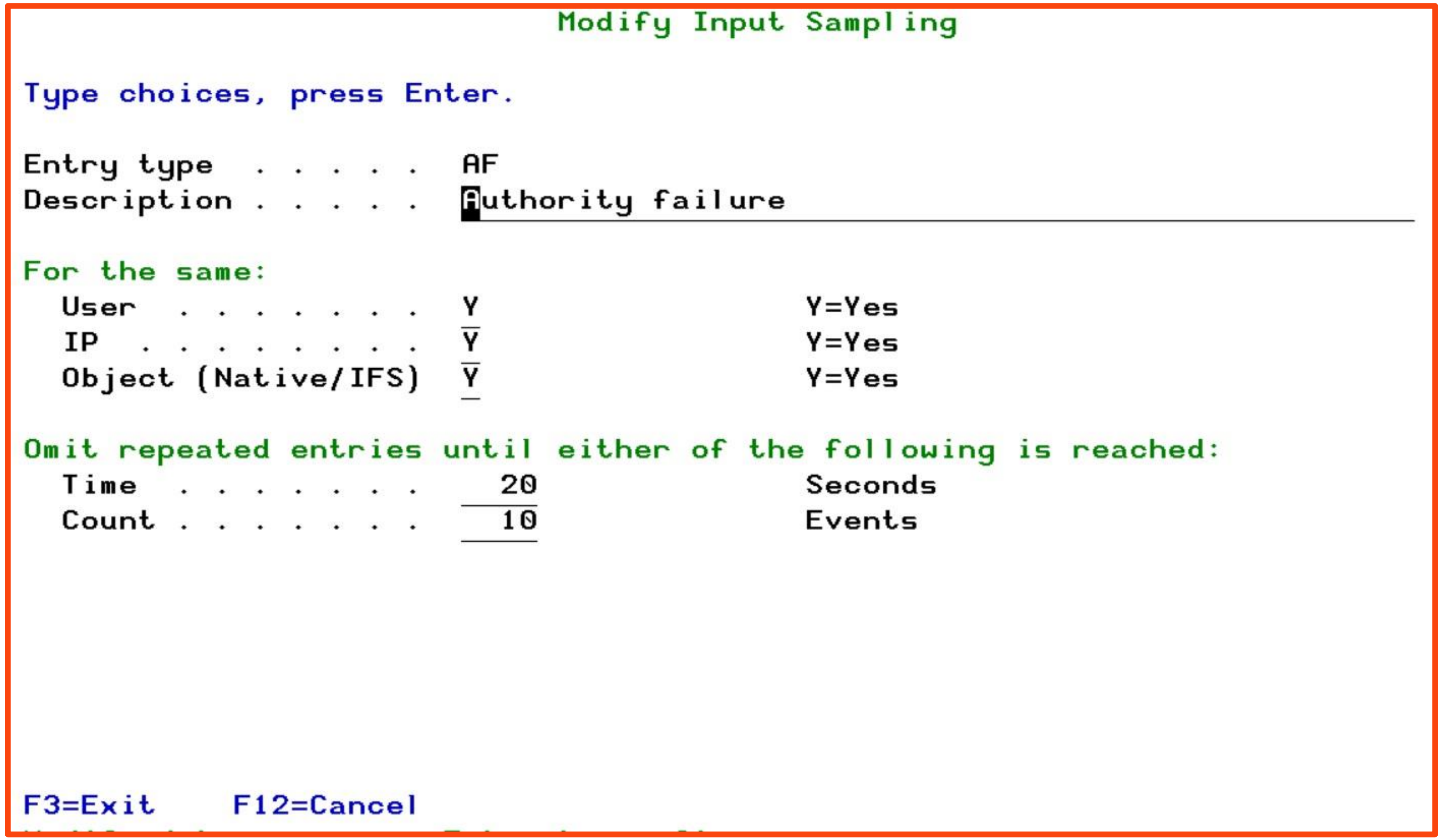


```
                               SIEM 1 Definitions               3/15/23 11:24:16

SIEM 1 name . . . . . . . . . . .  MONITOR                      Port:   1468
SYSLOG type . . . . . . . . . . .  1          1=UDP, 2=TCP, 3=TLS
Destination address . . . . . . .  1.1.1.121


"Severity" range to auto send .    0 - 4      Emergency - Warning
"Facility" to use . . . . . . . .  22         Local use 6 (Local6)

Msg structure or *LEEF, *CEF  .    *CEF

*LEEF, *CEF, *CEF-SPLUNK, *SUMO-token, or mix variables and constants:
&1=First level msg    &3=Msg Id.               &4=System              &5=Module
&6=IP                 &7=Audit type &E=SubType &8=Host name           &9=User
&H=Hour               &M=Minute                &S=Second              &X=Time
&d=Day in month       &m=Month (mm)            &y=Year (yy)           &x=Date
&a/&A=Weekday (abbr/full)                      &b/&B=Month name (abbr/full)
Convert data to CCSID . . . . . .      0       0=Default, 65535=No conversion
Maximum length  . . . . . . . . .   9800       128-9800

Note: Re-activate subsystem after changes.
F3=Exit   F12=Cancel            F22=Set SYSLOG handling per audit sub-type
```

Get Rid of Excess Repetitions

We provide Input Sampling per same audit type, user, IP, Object - within time or count.

- ✓ Some types of data may appear too many times, for example:
  - ○ **ZR Object accessed (read)**
  - ○ **ZC Object accessed (change)**
  - ○ **AP Obtaining adopted authority**
- ✓ Input sampling removes unneeded repetitions.



```
                              Modify Input Sampling

Type choices, press Enter.

Entry type  . . . . .      AF
Description . . . . .      Authority failure

For the same:
  User  . . . . . . .      Y                  Y=Yes
  IP  . . . . . . . .      Y                  Y=Yes
  Object (Native/IFS)      Y                  Y=Yes

Omit repeated entries until either of the following is reached:
  Time  . . . . . . .        20               Seconds
  Count . . . . . . .        10               Events






F3=Exit     F12=Cancel
```

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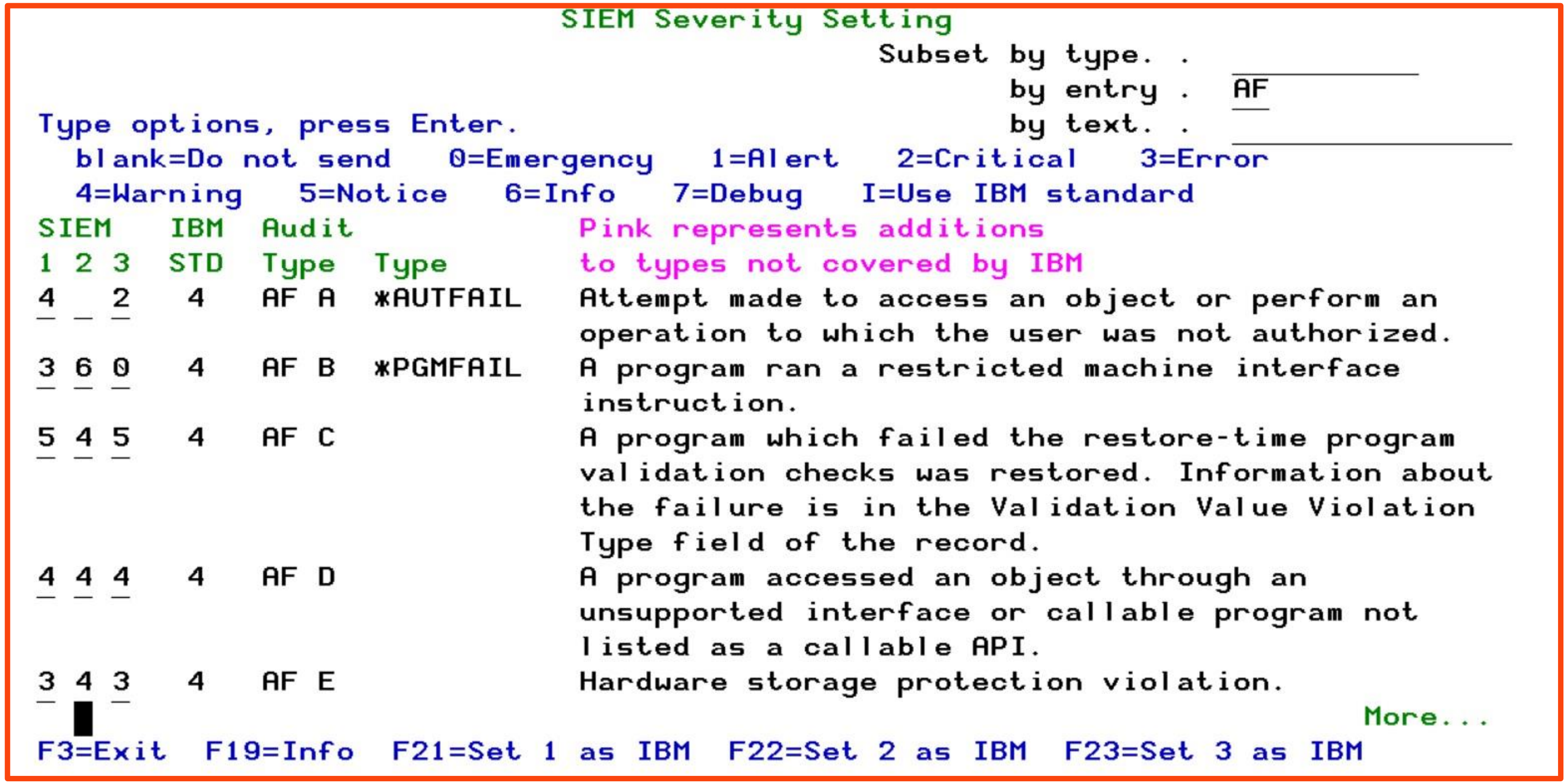
Filtering Data by Severity

- ✓ Setting different severities for each SIEM.

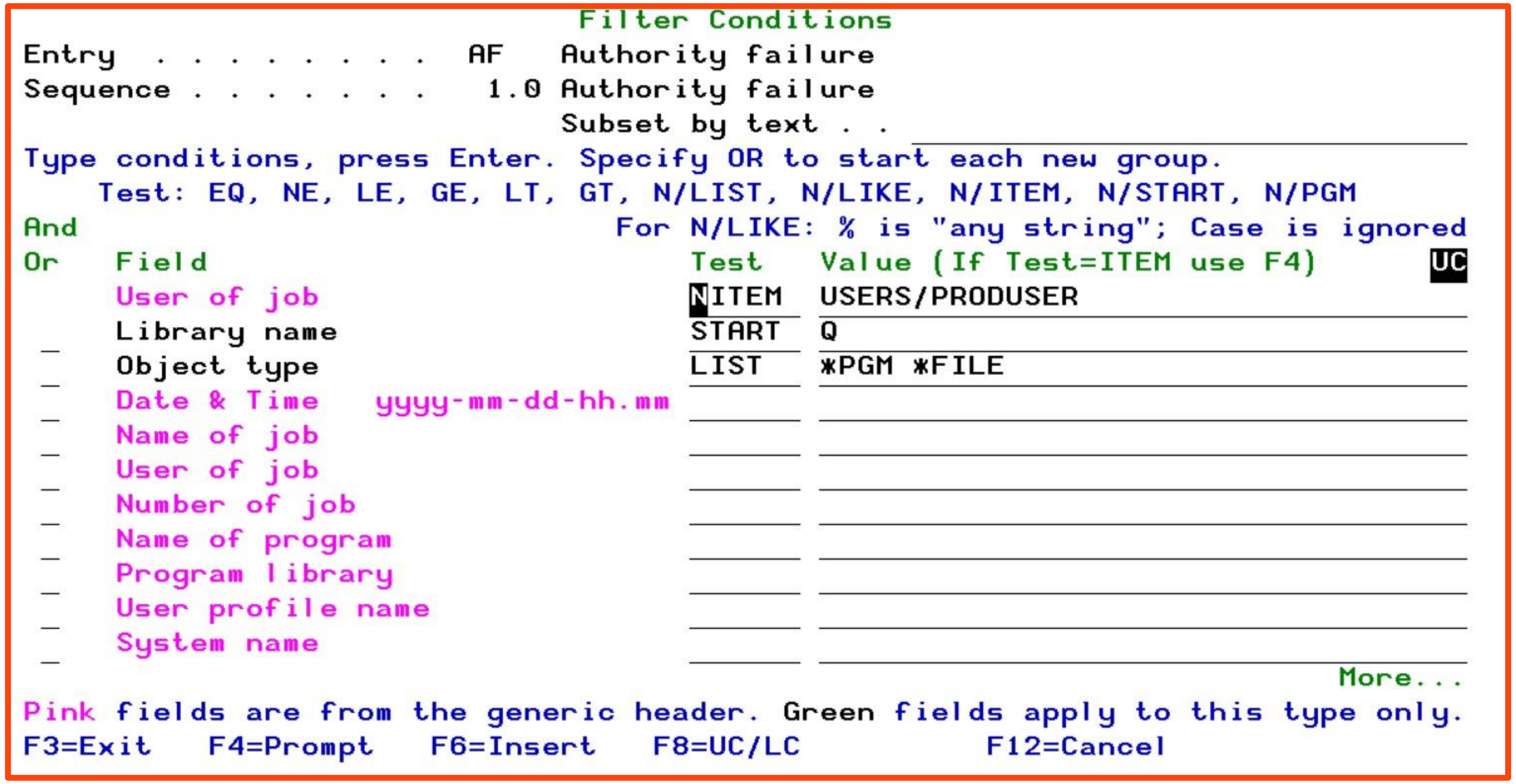


```
                              SIEM Severity Setting
                                                   Subset by type. .
                                                          by entry .  AF
Type options, press Enter.                                by text. .
  blank=Do not send   0=Emergency   1=Alert   2=Critical   3=Error
  4=Warning   5=Notice   6=Info   7=Debug   I=Use IBM standard
SIEM   IBM  Audit                Pink represents additions
1 2 3  STD  Type  Type           to types not covered by IBM
4 _ 2   4   AF A  *AUTFAIL       Attempt made to access an object or perform an
                                 operation to which the user was not authorized.
3 6 0   4   AF B  *PGMFAIL       A program ran a restricted machine interface
                                 instruction.
5 4 5   4   AF C                 A program which failed the restore-time program
                                 validation checks was restored. Information about
                                 the failure is in the Validation Value Violation
                                 Type field of the record.
4 4 4   4   AF D                 A program accessed an object through an
                                 unsupported interface or callable program not
                                 listed as a callable API.
3 4 3   4   AF E                 Hardware storage protection violation.
                                                                          More...
F3=Exit  F19=Info  F21=Set 1 as IBM  F22=Set 2 as IBM  F23=Set 3 as IBM
```

Filtering Data by Field Values (Green Screen)

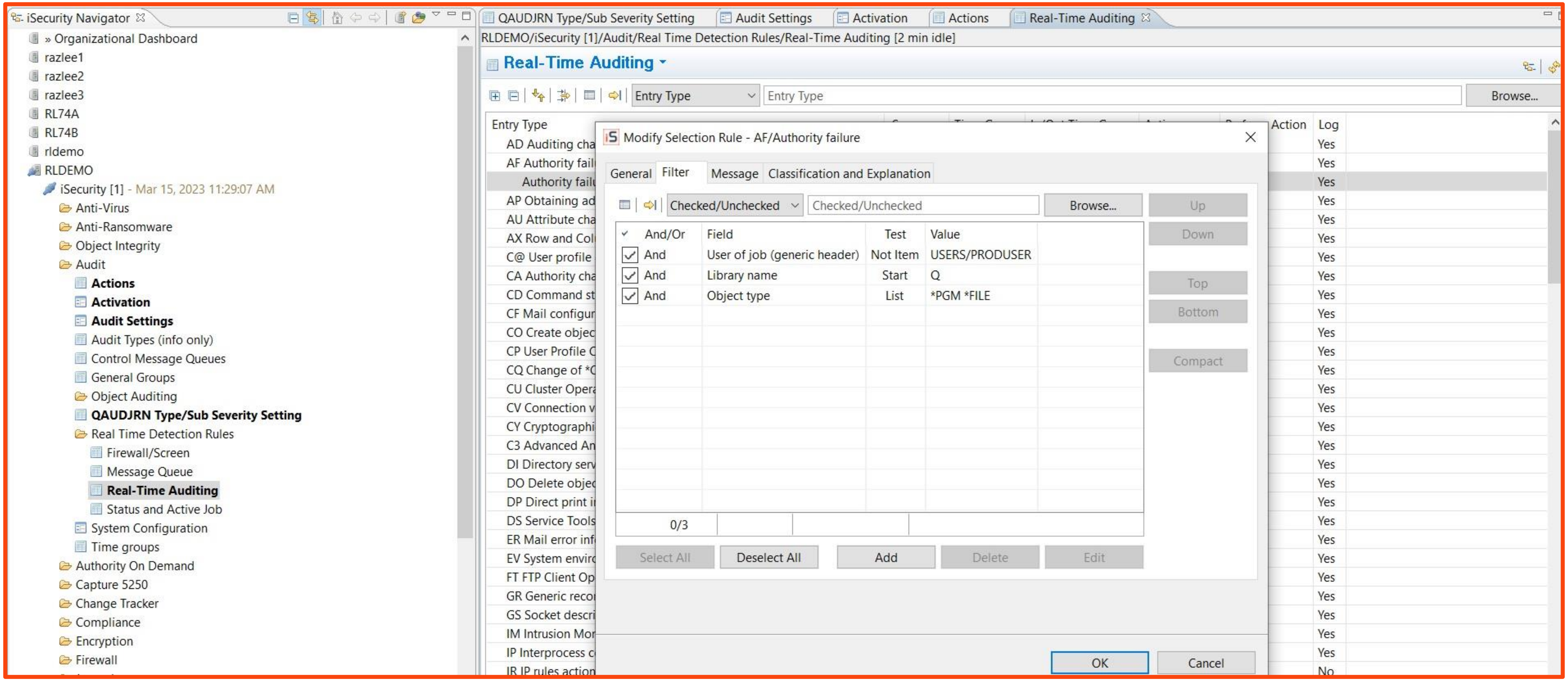
- ✓ By Field values from the Journal Header and the Body fields.

- ✓ With wide range of testing, trivial or advances, such as: Not/LIKE, Not/LIST, Not/ITEM in a table, group profile, by user profile special authority or having limited capability.



```
                              Filter Conditions
Entry  . . . . . . . . .  AF   Authority failure
Sequence . . . . . . . .  1.0 Authority failure
                               Subset by text . .  _______________
Type conditions, press Enter. Specify OR to start each new group.
    Test: EQ, NE, LE, GE, LT, GT, N/LIST, N/LIKE, N/ITEM, N/START, N/PGM
And                                For N/LIKE: % is "any string"; Case is ignored
Or   Field                                 Test   Value (If Test=ITEM use F4)   UC
     User of job                           NITEM  USERS/PRODUSER
_    Library name                          START  Q
_    Object type                           LIST   *PGM *FILE
_    Date & Time       yyyy-mm-dd-hh.mm
_    Name of job
_    User of job
_    Number of job
_    Name of program
_    Program library
_    User profile name
_    System name
                                                                       More...
Pink fields are from the generic header. Green fields apply to this type only.
F3=Exit    F4=Prompt    F6=Insert    F8=UC/LC          F12=Cancel
```

Filtering Data by Field Values (GUI)



- » Organizational Dashboard
- razlee1
- razlee2
- razlee3
- RL74A
- RL74B
- rldemo
- RLDEMO
  - iSecurity [1] - Mar 15, 2023 11:29:07 AM
    - Anti-Virus
    - Anti-Ransomware
    - Object Integrity
    - Audit
      - **Actions**
      - **Activation**
      - **Audit Settings**
      - Audit Types (info only)
      - Control Message Queues
      - General Groups
      - Object Auditing
      - **QAUDJRN Type/Sub Severity Setting**
      - Real Time Detection Rules
        - Firewall/Screen
        - Message Queue
        - **Real-Time Auditing**
        - Status and Active Job
      - System Configuration
      - Time groups
    - Authority On Demand
    - Capture 5250
    - Change Tracker
    - Compliance
    - Encryption
    - Firewall

RLDEMO/iSecurity [1]/Audit/Real Time Detection Rules/Real-Time Auditing [2 min idle]

Real-Time Auditing

Entry Type ▾ | Entry Type | Browse...

Entry Type	Action	Log
AD Auditing cha		Yes
AF Authority fail		Yes
Authority failu		Yes
AP Obtaining ad		Yes
AU Attribute cha		Yes
AX Row and Col		Yes
C@ User profile		Yes
CA Authority cha		Yes
CD Command st		Yes
CF Mail configur		Yes
CO Create objec		Yes
CP User Profile C		Yes
CQ Change of *C		Yes
CU Cluster Opera		Yes
CV Connection v		Yes
CY Cryptographi		Yes
C3 Advanced An		Yes
DI Directory serv		Yes
DO Delete objec		Yes
DP Direct print i		Yes
DS Service Tools		Yes
ER Mail error inf		Yes
EV System envir		Yes
FT FTP Client Op		Yes
GR Generic reco		Yes
GS Socket descri		Yes
IM Intrusion Mor		Yes
IP Interprocess c		Yes
IR IP rules action		No

Modify Selection Rule - AF/Authority failure

General | Filter | Message | Classification and Explanation

Checked/Unchecked ▾ | Checked/Unchecked | Browse...

✓	And/Or	Field	Test	Value
☑	And	User of job (generic header)	Not Item	USERS/PRODUSER
☑	And	Library name	Start	Q
☑	And	Object type	List	*PGM *FILE

0/3

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Advantages on our Solution

iSecurity SIEM & DAM Support has Proven integration with all major SIEM products.

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SIEM for Database Journals

To support database journals we have the product **AP-Journal**. This product, relevant to SIEM, provides:

- ✓ Advanced filtering based on journal header, file fields, and the relation between the “before” or “after” values of each database field by percentage or absolute value changes.
- ✓ Supports also Not/LIKE, Not/LIST, Not/ITEM (in external table or by user profile qualification such as special authority of limited capability).
- ✓ Can send only Committed transactions.
- ✓ Supports 3 SIEMs in parallel.
- ✓ Use of TLS, TCP, UDP.
- ✓ Can run on a High Availability system, reducing performance impact on Production Systems.

iSecurity SIEM & DAM Suppport Advantages

- ✓ Supports CEF, LEEF and local structuring of the message format.
- ✓ Sends Syslog messages in parallel to up to 3 SIEM products.
- ✓ Transmission is supported via UDP, TCP or TLS (encrypted channel).
- ✓ Advanced filtering capabilities via specific severity code.
- ✓ Syslog Self-Test facility. Receiving messages locally on the IBM i, to enable pre-check prior to sending to a remote syslog server.
- ✓ Enables sending extremely high volumes of information with virtually no performance impact.
- ✓ Advanced communication recovery.

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