

iSecurity

System i Security Solutions

Company Overview



Company Overview



- 30 Years of Excellence
- 9 of the Fortune 10
- 85% of the Fortune 500
- Licenses in over 50 Countries

absMessage

Message & Resource Management

absCompress

Compression & Encryption

iSecurity

Security Compliancy Auditing

GiAPA

Application Performance Analysis

Company Overview

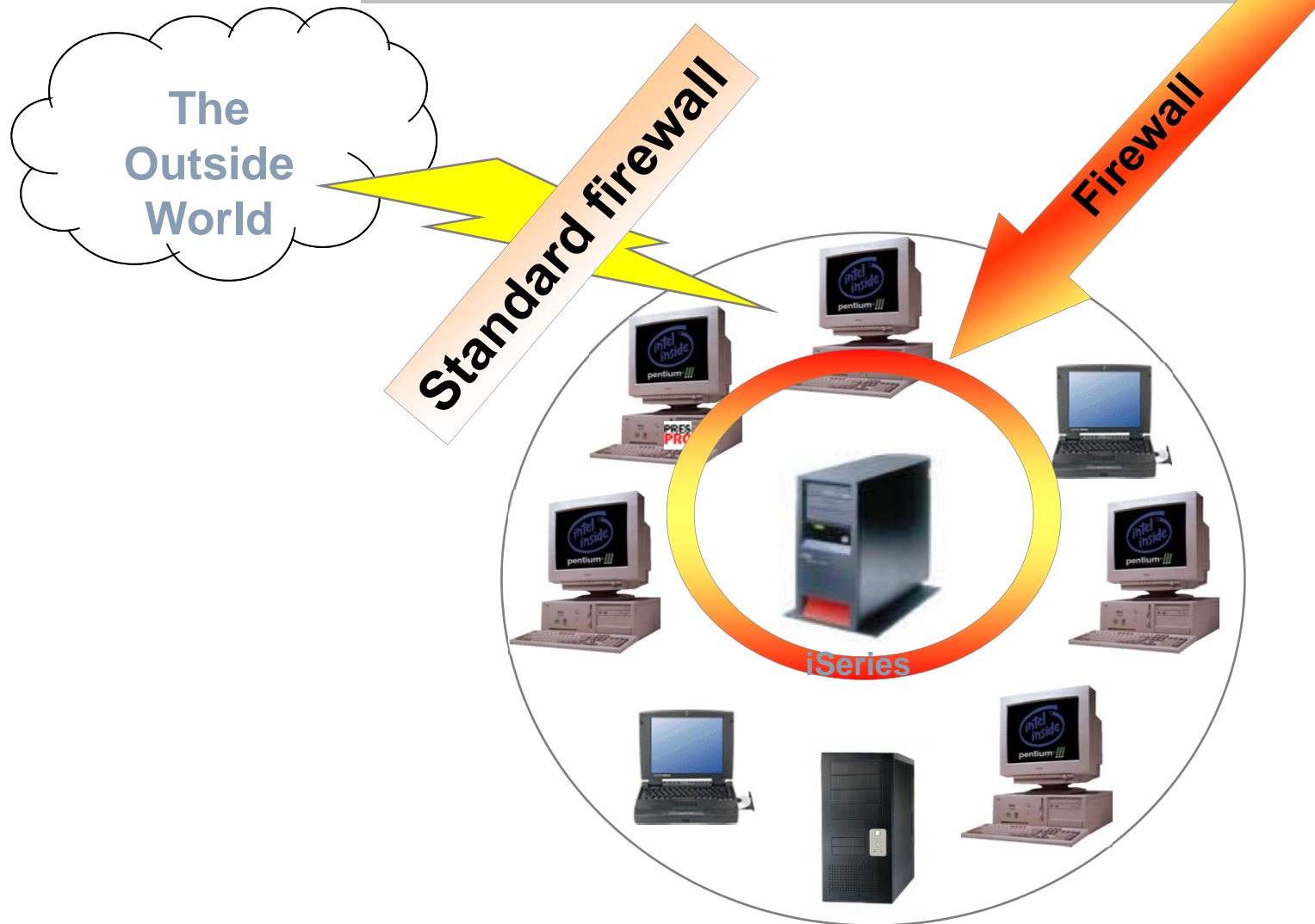


- Support - Live Operator 24x7x365
 - Always an SEA Employee
 - Never voicemail or VRU
- Training
- Conversions
- Consulting

iSecurity Firewall

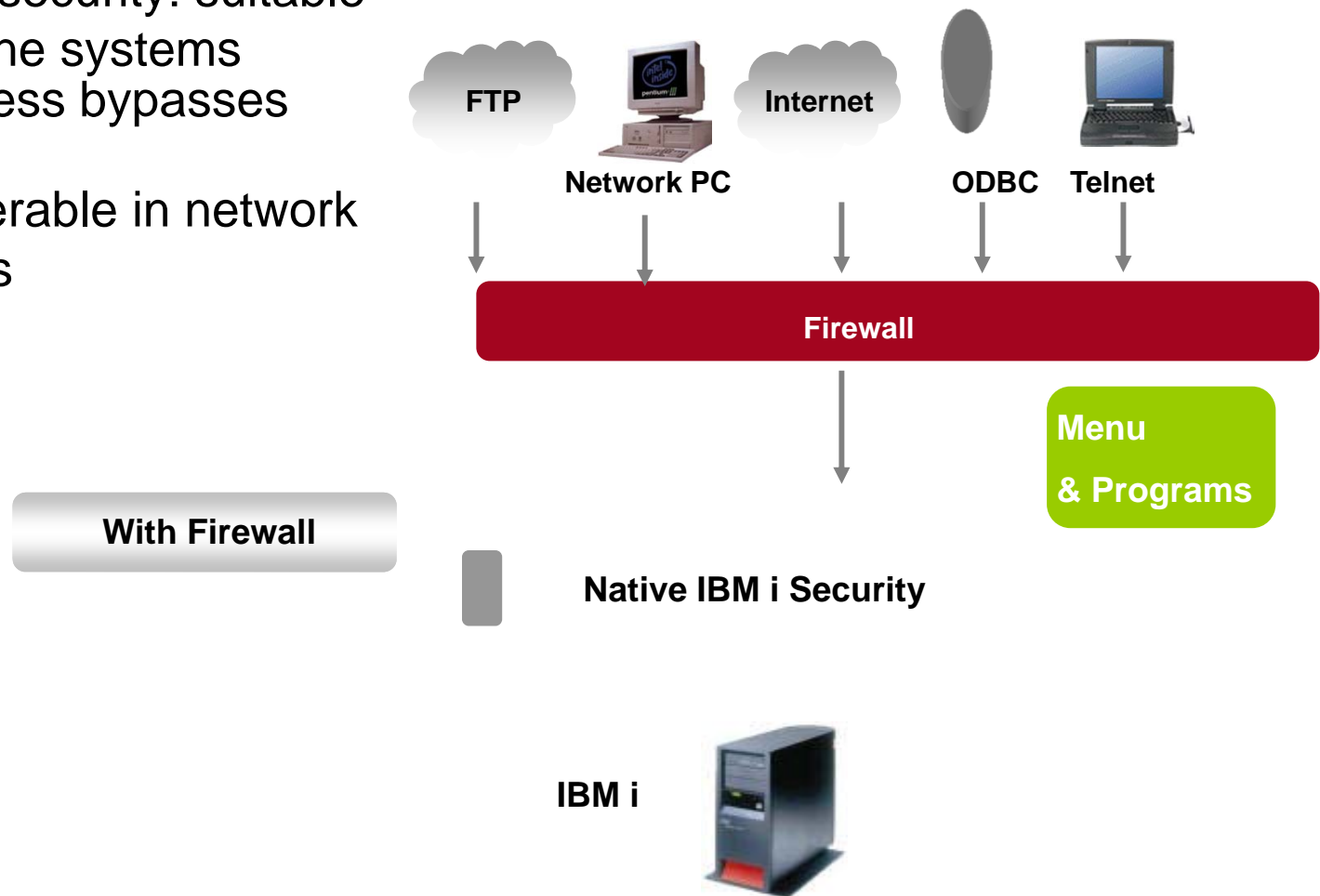
- Remote Activity on the I Series
- Compliance – Logging & Monitoring of Exit Points
 - NOT logged by OS400
- Compliance – FULL Alerting, Action & Reporting Capabilities
- Intrusion Prevention
- User Management & Password Management
- Business Intelligence Tool
- Required Layer of Security
 - missing from OS400

Network Security - The Challenge

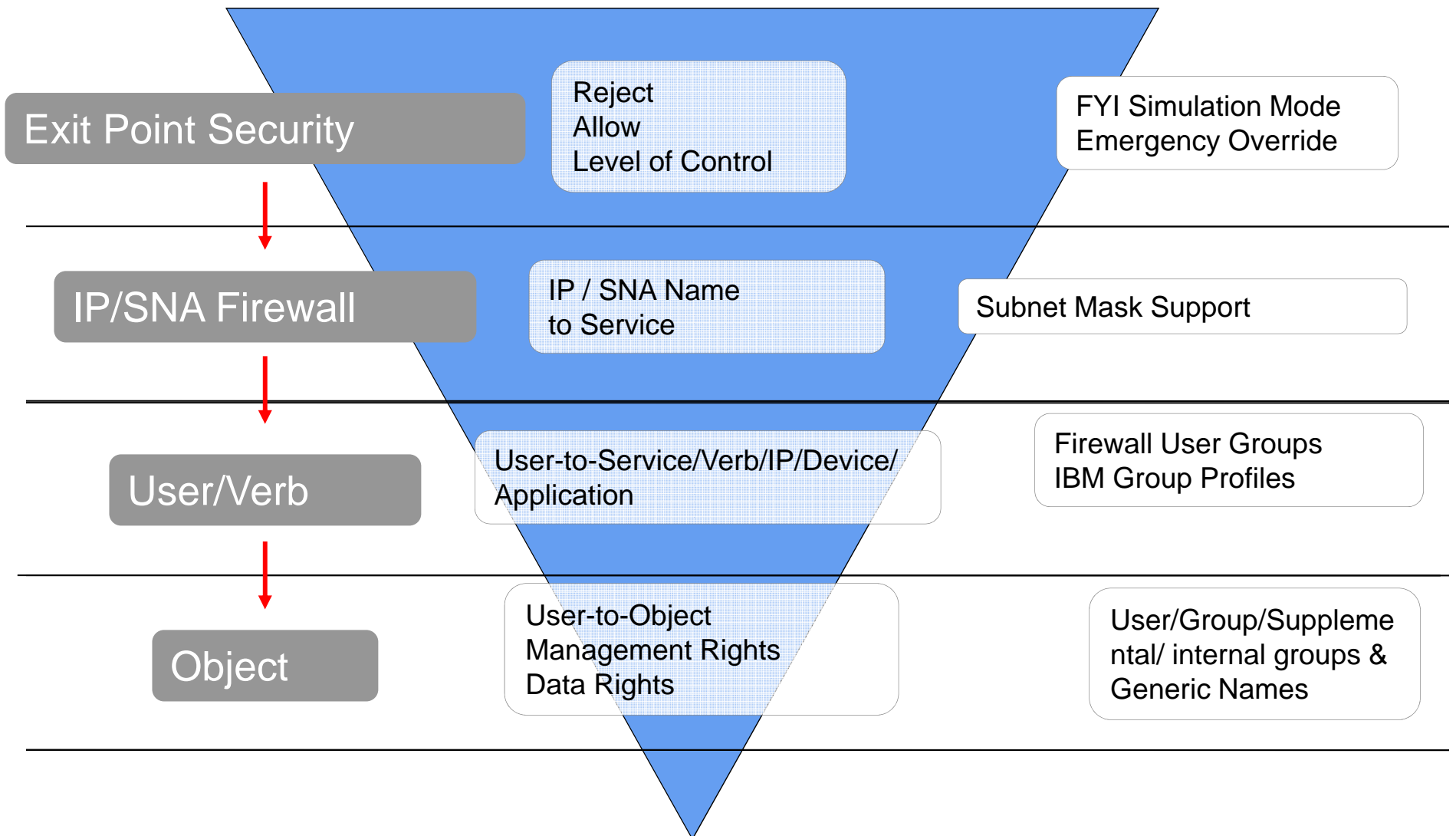


Firewall Adds Another Security Layer

- Native IBM i security: suitable for stand-alone systems
- External access bypasses IBM security
- The i is vulnerable in network environments



Firewall: Layered Security Design & Top - Bottom Implementation



iSecurity Audit

- **Local Activity on the I Series**
- **Compliance – Real-time monitoring of system related activities**
 - **QAUDJRN**
- **Compliance – FULL Alerting, Action & Reporting Capabilities**
- **Business Intelligence Tool**
- **Ensure compliance of regulatory acts**

Compliance Reports for Auditors and System Administrators

\$A User profile information

\$B Objects that are owned by a user

\$C Objects that a user is their primary group

\$D Objects for which a user has specific authority

\$E Job schedule entries

\$G Group profile and their users

\$I Object description

\$J Object authority

\$K Job descriptions with excess authority

\$L Libraries description

\$M User profile activation schedule

\$N User profile expiration schedule

\$P Users with default password

\$Q Programs that adopt authorities

\$S System values

\$T Network attributes

\$U Authorization Lists

\$V Native objects secured by authorization list

\$W IFS objects secured by authorization list

A\$ All types of QAUDJRN containing Library & Object

A# All types of QAUDJRN

AD Auditing changes

AF Authority failure

AP Obtaining adopted authority

AU Attribute change

C@ User profile changed (After & Before full images)

CA Authority changes

- **Full Compliance Reporting**
- **View output as HTML, PDF, Excel in e-mail or GUI**
- **Support for Multi-Server environments**
- **All reports are site-tailorable and schedulable**
- **Report explanations include relevancy for compliance**

Detailed Compliance Reports

- Compliance Explanations per report
- Specific references to regulatory sections

```
Query Explanation and Classification

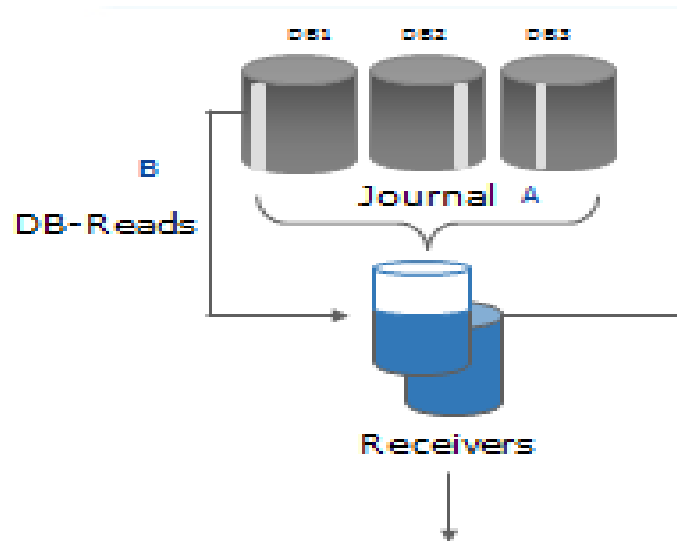
Query: SOX_ALLOBJ All User Profiles with *ALLOBJ authority

Type choices, press Enter.
Classification list . . . CU_____ C=Compliance (SOX/ISO17799/PCI...),
(e.g. CU=Compliance+User)         U=User, O=Object, S=System values,
                                   N=Network, 1-9=User defined

Query explanation: (Printed if Header is requested)
Purpose: Display a report of all user profiles having *ALLOBJ authority.
Reason: Powerful user profiles having *ALLOBJ authority need to be carefully
        monitored.
Discussion: The user profile is a powerful and flexible tool. It controls what
            the user can do and customizes the way the system appears to the user. *ALLOBJ
            rights must be limited to trusted and knowledgeable IT personnel only. During
            standard system audits, your auditors will always check for the abuse of *ALLOBJ
            authority as this is a very basic, easy-to-perform check.
SOX 5.1, 5.3, 5.4,5.5; HIPPA 168.308, 168.312; ISO 11.1,11.2,11.5,11.6; PCI 6,10
```

AP-Journal

- **Send** E-Mail, SMS, SNMP, SYSLOG when the INTEREST RATE changes by more than 0.2%.



- **Who modified** PAYMENTS between 20:00 and 06:00 or over the weekend? What program?

- **When** did the Quantity on Hand fall below 125? Add alert for this

- **Which** users, who are not Managers, viewed the confidential PAYMENT TERMS table since the last business day?

Authority on Demand: Workflow

1. Definition Stage - an authorized System Administrator defines sets of emergency rules



Define Potential Providers
• QSECOFR
• SECADMIN

Define Emer. Rules
• "Production"
• "Salary"
• "Weekend"

Rules Details
• ADD/SWAP Auth.
• Rule Description

Notification rules
• E-mail
• SYSLOG
• MSGQ

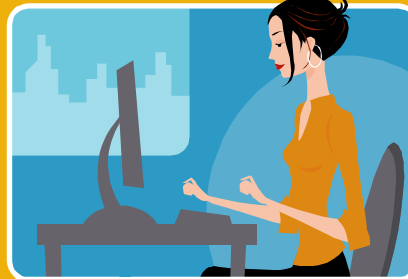
Rule Conditions
• Date/Time
• Time Group
• IP Address
• Pin Code

2. Emergency Stage - Requester asks for "Production" authority



- Must provide reason
- Enter Pin Code (optional)
- Specify Authority Provider

Get Auth. →
← Release Auth.



3. Auditing Stage - by Sysadmin or Auditor



Display/Print AOD & Audit (QAUDJRN) logs by time frame, Provider, or Requester

Auditing



- Audit QAUDJRN, Status...
- Capture screen activity
- User management
- Central admin of multiple LPARS & systems
- User profile replication

Protection



- Firewall FTP, ODBC,...
- Authority on demand
- Anti virus
- Native object security

Databases



- DB-Journal Filter, archive, real-time reaction
- View-hide sensitive records or fields
- FileScope secured file editor

Evaluation



- Compliance evaluator for SOX, PCI, site-defined,...
- Visualizer- BI for security data
- Syslog, SNMP for SIEM



End to End Security for the System i

• **Remote Syslog Support**

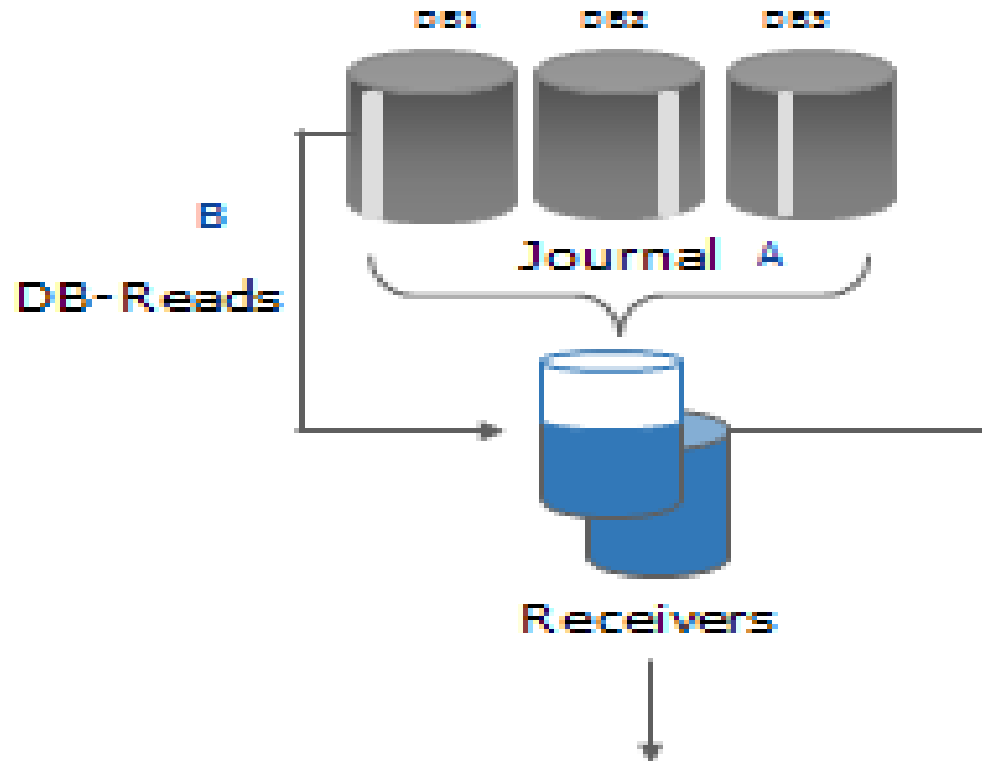
≥ 37,497 events over all time

≡ ☰ ☱ << prev 1 2 3 4 5 6 7 8 9 10 next >> | Options... Results per page 10 ▾

1 ▾ 9/10/11 6:00:30.000 AM Sep 10 06:00:30 10.160.1.4 iSecurity/ : MJS0500 *JOBDTA Job 981898/QPGMR/NOTIFYERR was ended by 981898/QPGMR/NOTIFYERR. Job type B (A-Autostart B-Batch I-Interactive M-System monitor R-Reader S-System W-Writer X-SCPF). Job subtype (" "-No subtype D-Batch immediate E-Procedure start request J-Prestart P-Print driver Q-Query T-MRT U-Alternate spool user). Device . Effective user for the thread QPGMR.
host=10.160.1.4 ▾ | sourcetype=syslog ▾ | source=udp:514 ▾

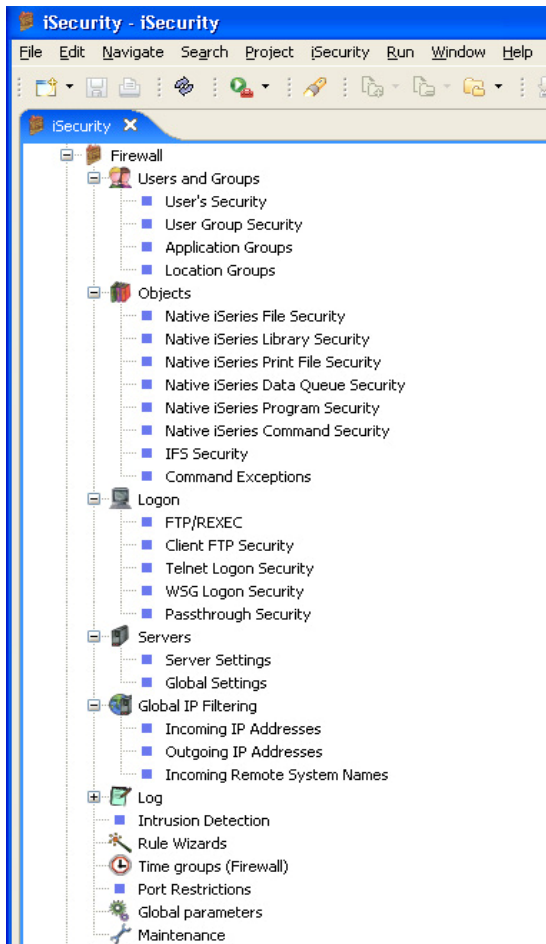
2 ▾ 9/10/11 6:00:30.000 AM Sep 10 06:00:30 10.160.1.4 iSecurity/ : MJS0500 *JOBDTA Job 981915/QPGMR/NOTIFYERR was ended by 981915/QPGMR/NOTIFYERR. Job type B (A-Autostart B-Batch I-Interactive M-System monitor R-Reader S-System W-Writer X-SCPF). Job subtype (" "-No subtype D-Batch immediate E-Procedure start request J-Prestart P-Print driver Q-Query T-MRT U-Alternate spool user). Device . Effective user for the thread QPGMR.
host=10.160.1.4 ▾ | sourcetype=syslog ▾ | source=udp:514 ▾

3 ▾ 9/10/11 6:00:30.000 AM Sep 10 06:00:30 10.160.1.4 iSecurity/ : MJS0500 *JOBDTA Job 981913/QPGMR/NOTIFYERR was ended by 981913/QPGMR/NOTIFYERR. Job type B (A-Autostart B-Batch I-Interactive M-System monitor R-Reader S-System W-Writer X-SCPF). Job subtype (" "-No subtype D-Batch immediate E-Procedure start request J-Prestart P-Print driver Q-Query T-MRT U-Alternate spool user).



iSecurity ap-Journal

The iSecurity Firewall Solution



Protect All communication protocols
SNA TCP

Protect All security related Exit Points

- FTP
- ODBC
- TELNET
- REXEC
- DDM
- DRDA
- SQL