

17442: z/OS Log Analysis Product Shoot-Out: CorreLog, Syncsort/Splunk and IBM

CorreLog SIEM Agent for z/OS

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Agenda

- SIEM You Already Own + CorreLog SIEM Agent = Improved z/OS and Enterprise Security
- Above + CorreLog Visualizer = Improved Security + "Log Analysis"



What's a SIEM?

- · Security Information and Event Management
- 73 Vendors!
 - HP ArcSight
 - IBM Security QRadar
 - Intel Security (McAfee Nitro) ESM
 - LogRhythm
 - CorreLog Correlation Server
 - Splunk
- SIEM in the Cloud: MSSP (Managed Security Service Provider)
 - Dell SecureWorks
 - NTT Solutionary
 - HP, IBM, Verizon, AT&T, Symantec, ...





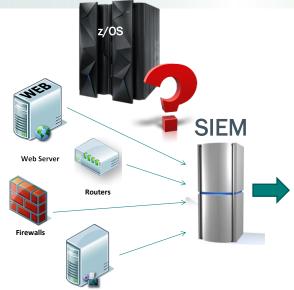


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What do SIEMs do?



- Sophisticated correlation
- IP Location
- · Real-time Text alerts
- Service desk integration
- Query and Search
- Reports
- Compliance
- · Forensic archive





Why Integrate z/OS into your SIEM?

- Compliance: PCI DSS, HIPAA, GLBA, SOX, IRS Pub. 1075
 - Need to include the box with 70% of the data
 - CISOs and Auditors discovering the mainframe
- z/OS is not invulnerable
 - You already paid for a SIEM why not use it to help protect z/OS?
 - Add z/OS to the correlation mix

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What z/OS Events?

- Everything RACF, ACF2 or Top Secret
 - Failures only, or audit successes too
- File integrity: who modified SYS1.PARMLIB?
 - PDS, QSAM, VSAM and UNIX files written
 - Renames and Scratches
- Start and end of TSO sessions
 - Optionally started tasks, batch jobs, ABENDs, etc.
- TCP/IP, TN3270 and FTP sessions and failures
- New! IND\$FILE Transfers
- Everything needed from DB2 for PCI DSS
- Audited CICS Transactions
- · Partner events: NewEra, Vanguard, ...
- Console messages, IMS, ...
- All real-time no periodic FTP

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SIEM/MSSP Agnostic

- · HP ArcSight CEF Certified
- IBM Security QRadar "Ready for Security Intelligence"
- Intel Security (McAfee Nitro) Partner
- RSA (EMC) Security Analytics (enVision) Certified
- NTT Solutionary Partner
- Dell SecureWorks
- LogRhythm
- Splunk













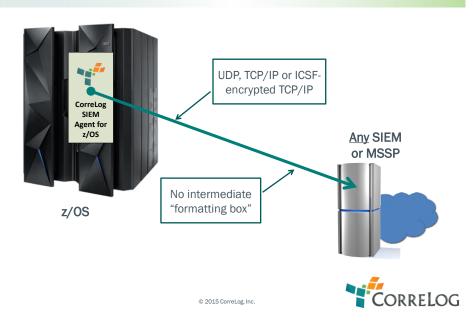




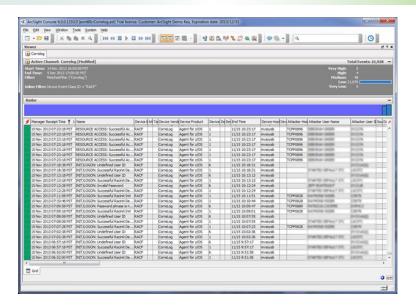
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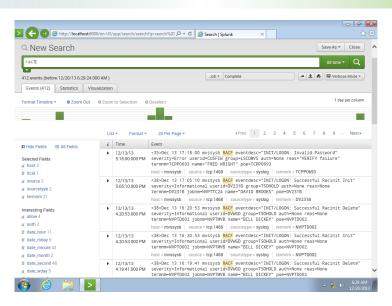
The CorreLog SIEM Agent for z/OS



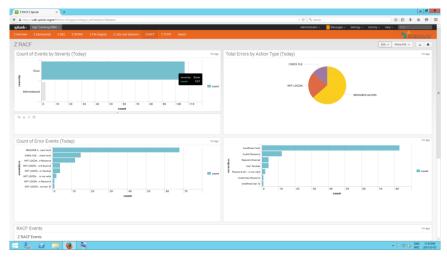
RACF Events in ArcSight



RACF Events in Splunk Search



RACF Events in Splunk Dashboard



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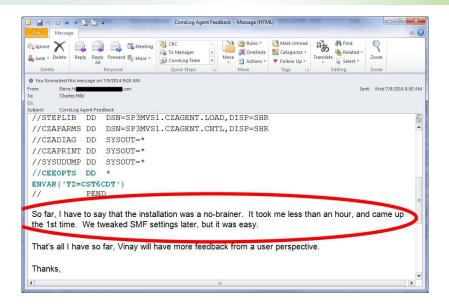


System Programming

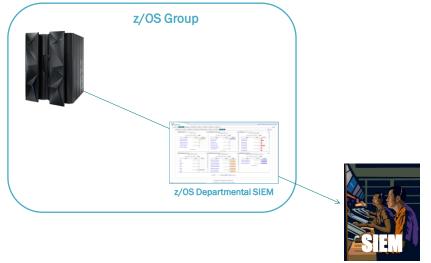
- DASD Requirements: 150 tracks
 - Load, parm and sample libraries that's it
- Maintenance requirements: none
- Single started task easy to automate
- No "hooks" all supported interfaces
- Stability: last disruptive problem at a customer was July, 2012
- CPU: on a z196 about $\frac{1}{10000}$ of a CPU second per event forwarded
 - Proportionally less on a faster box
 - "Which events" easy to configure
- Installation
 - SMP/E or non-SMP/E
 - No IPL
 - Ships pre-configured

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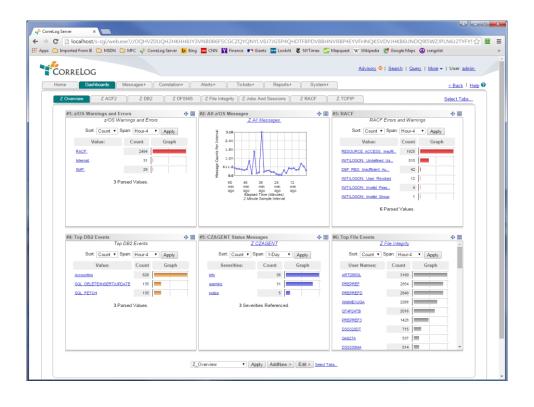
Installation a "No-Brainer"

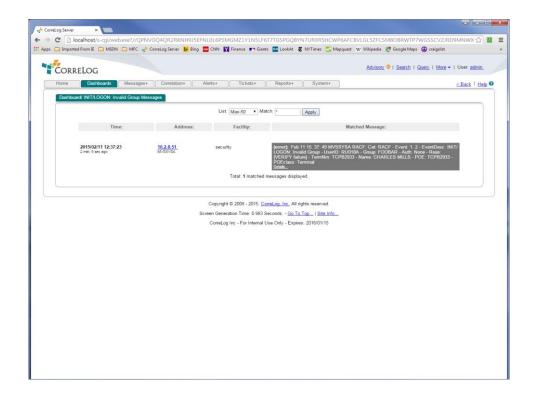


CorreLog Visualizer for z/OS

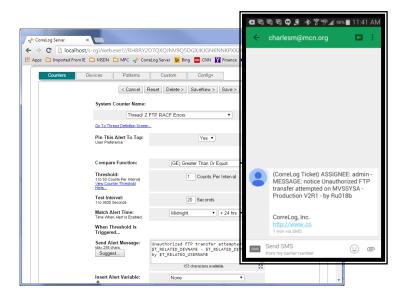


Security Operations Center





Real-Time Text Alerts



In conclusion

- SIEM You Already Own + CorreLog SIEM Agent = Improved z/OS and Enterprise Security
- Your SIEM + CorreLog SIEM Agent + CorreLog Visualizer = Improved Security + "Log Analysis"
- Differentiators
 - Easy to install and maintain
 - SIEM/MSSP agnostic: leverages the SIEM you already own
 - Mature, stable product; installed around the world
 - Exclusive z/OS Visualizer no charge by data volume, unlike competitors
 - Economical. Lightweight; designed to complement the SIEM you already own; no use of mainframe resources for what your SIEM already does
- CorreLog also publishes a z/OS DB2 Agent for McAfee DAM

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For more information

- www.correlog.com
- charles.mills@correlog.com
- SHARE Technology Exchange booth 411 (Back wall – left aisle)
- 17369: Bridge the Gap: How to Use an Enterprise Product You Already Own to Enhance z/OS Security – Monday – Download the handouts

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Thank you





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