ACI – Third-Party Software Vulnerability Tracking Process
ACI is a software product and services company

- In business since 1975
- 30+ products mostly dealing with financial transactions
- 2000+ employees worldwide
- 800+ customers in 88 countries
- Last year – 80 billion consumer payment transactions
- Estimate $5 trillion in wholesale payments per day
Why Track Third-Party vulnerabilities?

PCI Requirement
- PCI-DSS v1.1 section 6.2
- PABP v1.4 section 7.1

Risk Management
- Customers may not test third-party patches
  - Don’t want system outage
  - Attackers exploit these vulnerabilities in hopes that system updating is slow.
- Proactive position with regards to notification

Good Business
Third-Party Software

Operating Systems
- Guardian, HP-UX, AIX, OS/390, z/OS, Windows

Middleware
- Databases
  - C-Tree, Enscribe, VSAM, SQL Server, Oracle, DB2
- Messaging
  - WebSphereMQ
- Web Application Server
  - Tomcat, WebSphere, WebLogic
- HTTP Server
  - Apache, IIS

Java SDKs, JVMs
Libraries, including open-source
Third-Party Vulnerability Tracking Participants

Security Engineering
- Overall support of system
- First level filtering for false positives

Product Lead
- Document dependency on third-party products
- Second level filtering for false positives
- Testing of third party patches with current release
- Forward issues to Product Development
- Inform Customer Management of status

Product Development
- Provide product fixes
- Notify Product Lead when complete

Customer Management
- Notify Customers of vulnerabilities and fixes
ACI Subscribes to Symantec DeepSight Alert Service
DeepSight Configuration

A new “Technology” is added for each ACI product
Third-Party Software is monitored for each "Technology".
Email Alerts are Forwarded for Each Reported Vulnerability
Vulnerability Tracking Process Flow

Vulnerability Patch Alerting
Version 3  Date 01-Apr-2008

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![Vulnerability Tracking Process Flow Diagram]