Big Data in Action – Predictive Risk Analytics Solution for Airport Security

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Session Abstract

Since 9/11, airport security throughout the world has undergone a series of upgrades and changes, with a prominent focus on implementation of methodologies to counter threat from terrorists. The Critical Infrastructure of U.S. commercial airport's is up against highly sophisticated and constantly evolving terrorist groups. Terrorists and other perpetrators however, are relentlessly testing the limits of these screening enhancements and have discovered that a major loophole in security lies in detection and prevention of insider threat, one of our nation's most serious national security challenges.

AlertEnterprise delivers Logical-Physical Security Convergence software with predictive risk analytics to aid in the prevention of threats and acts of sabotage. AlertEnterprise automates all aspects of Enrollment, Credentialing and Issuance related to the Airport Badging Office. Additionally AlertEnterprise delivers Situational Intelligence, Incident Management, Reporting, Response and Automated Remediation to enhance Airport and Security Operations Center capabilities.

Predictive risk analytics can connect the dots across multiple actions that now paint a much more sinister picture. Huge amounts of data from disparate sources need to be analyzed. Large data sets from multiple disparate sources can pose a big problem. By the time the analysis is complete it is usually too late to take steps to mitigate the risks. With SAP HANA in-Memory Computing, the speed of analytics and the real-time response capabilities can prevent incidents from occurring. With the integration of the SAP HANA, AlertEnterprise can analyze risks almost instantaneously and actually automate mitigating response actions to prevent malicious threats before they manifest. The AlertEnterprise Security Convergence and Critical Infrastructure Protection Solution leverages the SAP HANA via a tight integration to quickly process large data sets to deliver predictive analytics and help with prevention of malicious attacks by correlating the results with behavior anomalies.

Target Audience

This session will appeal to Security, Risk and Compliance management functions. IT Security, Corporate Security and functions involved with Critical Infrastructure Protection will find a lot of value in the integration of logical and physical security to deliver the true prevention of incidents prior to them occurring.

COBIT Objectives

The following COBIT Objectives are covered in this solution:
- Event Identification (DS8 – Manage Service Desk and Incidents)
- Risk Assessment (ME1 – Monitor and Evaluate IT Performance)
- Infrastructure Resource Protection and Availability (DS3 – Manage Performance and Capacity; DS4 – Ensure Continuous Service)
- Emergency Changes (AI6 – Manage Changes)
- Identity Management (DS5 – Ensure System Security)
- Protection of Security Technology (DS5 – Ensure System Security)
- Security Testing, Surveillance and Monitoring (DS5 – Ensure System Security)
- Exchange of Sensitive Data (DS5 – Ensure System Security)
- Security Incident Definition (DS8 – Manage Service Desk and Incidents)
- Physical Access (DS12 – Manage the Physical Environment)
- Operations Procedures and Instructions (DS13 – Manage Operations)

Speaker Bio

Jasvir Gill is the Founder and CEO of AlertEnterprise and has more than 20 years of experience in security, compliance and access management. Prior to Alert Enterprise, Jasvir was the Founder and CEO of application security company Virsa Systems where he led the design of the Virsa Continuous Compliance Suite. An early pioneer in establishing governance risk and compliance as a software market segment, Jasvir drove the growth of Virsa as an enterprise software provider signing up over 400 major corporations and organizations as customers. Virsa Systems was acquired by SAP in a deal valued at $400 Million. SAP made significant additional investments in this business and went on to sign up over 1,000 enterprise customers under the continued leadership of Jasvir who took on the role of Senior Vice President and General Manger of the SAP GRC Business Unit.

Jasvir has personally worked with many of today's largest companies and most recognizable brands to deliver security and controls solutions for risk management and regulatory compliance. Early in his career he was recognized by Kodak and others for developing custom solutions to reduce the high cost of third party audits—long before the Sarbanes-Oxley Act. This experience led to the development of an innovative packaged compliance solution for SAP ERP systems and the adoption of these solutions by hundreds of multinational companies, including SAP. In 2007 Jasvir left SAP to establish AlertEnterprise and implement his vision to deliver the next generation of security applications.