BOOST CYBERSECURITY WITH SAP® BusinessObjects™ SOLUTIONS

MAINTAIN INSIGHT, RESPOND QUICKLY, AND PLAN PROACTIVELY

Public sector organizations today must integrate processes and monitor system health while securing information from external threats. SAP® BusinessObjects™ solutions help mitigate cyberattacks, data spillage, and unauthorized access in order to protect your information and your operational efficiency.

In today's volatile sociopolitical environment, government organizations have learned through adversity that the information they collect and process must be carefully protected to ensure the public welfare. While addressing the need for confidentiality, a careful and thorough information management policy combined with real-time cyber-reporting and analytics also boosts cost containment efforts and empowers leaders to make effective decisions. And it eases such symptoms as multiple uncoordinated sets of data, excessive resource expenditure in reporting cycles, and clumsy manual interfaces between disparate applications. Savvy operations officers across the public sector are turning legacy mazes of information systems into comprehensive partner ecosystems that help their organizations identify, track, and safeguard sensitive data.

The bulk of human communications is moving online, and issues of cybersecurity take on enormous importance during this transformation. As Internet technologies continue to evolve and digital formats continue to multiply, public sector agencies face special challenges to the security of their information that they couldn't have foreseen even a decade ago. Critical data is exposed at every step along communication paths that have become dauntingly complex. Opportunities for theft of information and vandalism against networks are legion, and in the virtual world, potential security failures mean greater risks for

more government entities than ever before. Cyberattackers have now learned how to exploit user trust by masquerading as social networking friends, business associates, or trusted acquaintances – spreading millions of new strains of malware each year.

The success of your mission depends on protecting your information in this unforgiving climate. You need to create a single network view and take steps to ensure that your critical systems remain safe from damage and your data stays in the right hands. SAP® BusinessObjects™ business intelligence (BI) solutions and SAP BusinessObjects enterprise information management (EIM) solutions channel the expertise to assess your needs and integrate key functionalities for cyberawareness and secure operations.

Correlating Operational and Transactional Data

SAP BusinessObjects solutions have long been known for their industry-leading user interfaces and reporting tools that organize and present your information across internal departmental boundaries. Now they can also help you buffer that valuable information against external threats through robust and user-friendly analysis for cybersecurity. You can implement a flexible and scalable framework that works holistically with your existing SAP or non-SAP functionality for compliance management, event management, intrusion detection,

and anomaly alerts. If you already use SAP BusinessObjects governance, risk, and compliance solutions, for example, or the functions for identity management supported by the SAP NetWeaver® technology platform, you already track many of the underlying metrics. When you merge and aggregate the various data sources within your suite of applications, you increase exponentially the efficiency of your drill-down analysis and reporting – and with them, your power to protect your privacy. Expert integration of all your security-related software produces a single overview of network operations and lets you aggregate, navigate, visualize, analyze, share, and report all network traffic data consistently and in near-real time.

Our integrated approach to cybersecurity also helps you prioritize and assess potential threats faster and with less drain on precious resources. Correlating events and data streams from diverse sources and integrating data from operational processes with data from business transactions, the software drives informed, near-real-time decision making by supporting present action with deep historical context. It bridges the gap between technical staff responsible for building and maintaining firewalls and business staff responsible for evaluating the effectiveness of defenses. And it comes with plenty of power, in the form of a high-velocity event-processing engine that can filter up to 300,000 events per second using

SAP NetWeaver Business Warehouse Accelerator or SAP High-Performance Analytical Appliance software.

Showing What You Know and Deciding How to Act

SAP BusinessObjects solutions bring you a simple and intuitive dashboard, like the one shown in the figure, for monitoring cyberevents within the flow of your operations. Using this dash-

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board, you can see what's happening right now and how it affects the safety of your applications and your data. Robust detail for assessing threat levels helps you manage alerts across the whole network. With integrated alerting and reporting functionality, you can predict and avoid lapses and respond more quickly and with less resource expenditure to any that do occur. You can establish and monitor trends against your key performance indicators to sharpen your ability to predict attack patterns and defend yourself proactively. And you gain fast event-related search functionality that works

Figure: Sample Display for Cyberawareness

In short, cybersecurity based on SAP BusinessObjects BI solutions and SAP BusinessObjects EIM solutions is a well-conceived and well-designed functionality for building a stronger defensive position through advanced visualization, predictive analytics, and informed risk management. These benefits add up to a more comprehensive perspective on the threat of cyber-intrusion. Furthermore, the BI and EIM solutions help your organization's situational awareness evolve over time, so that you are progressively better informed as you work with your cyber-security insights. You can begin to devote less energy to postevent forensic analysis and more to real-time proactive analysis.

Find Out More

For more about how to protect your information and networks from vandalism and potential security failures with SAP BusinessObjects software, call your SAP representative or visit us on the Web at www.sap.com/solutions/sapbusinessobjects/index.epx.

About SAP

SAP solutions are based on more than 35 years of experience responding to changes in social, political, and economic realities across the globe. They currently serve customers in over 120 countries. SAP BusinessObjects business intelligence and enterprise information management solutions provide the comprehensive functionality that helps users make informed decisions and build sound strategies based on solid data and analysis. With these powerful functions, team members across your organization can analyze and share information in all media in a secure and controlled environment. All staff members have immediate access to the information they need, in the form that suits them best, with minimal dependence on expensive technology and support personnel.

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smoothly across all your processes and organizations, along with flexible reporting structures for detailed follow-up actions and summary advisories up the chain of command.

Summary

Recent attacks on military institutions have started with simple viruses transmitted by popular consumer software programs but have left behind severe and well-publicized damage. Similar examples from all kinds of government agencies, which are often targeted to earn bragging rights for hackers, have alerted organizations everywhere to the importance of cybersecurity. SAP® Business Objects™ solutions minimize lapses through an integrated framework for aggregating data sources into a single network view, monitoring operations for health, and reporting and analyzing threats and responses.

Business Challenges

- Integrate functions to make the most of existing applications and expensive technical resources
- Create a single network view so that operational users have instant insight into events as they occur
- React nimbly and with the lowest possible resource outlay to threats against systems or information
- Track trends and analyze successes to facilitate proactive management of information security through top-notch cyberanalytics

Key Features

- **Simple and familiar dashboard** – Maintain a near-real-time overview of all aggregated data sources and apply analysis tools consistently across the organization
- **Efficient drill-down analysis and reporting** – View your operational performance against key metrics and investigate risk and attack trends at various levels of detail
- **High-velocity event processing** – Filter up to 300,000 events per second

Business Benefits

- **Informed response to security breaches** with near-real-time insight into events
- **Stronger defense posture** through functionality for cyberawareness and operational security that allows you to focus less on investigating past events and more on preventing future ones
- **Optimization of your current investments in business intelligence and enterprise information management** through full integration with existing applications

For More Information

Call your SAP representative, or visit us on the Web at
www.sap.com/solutions/sapbusinessobjects/index.epx.

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