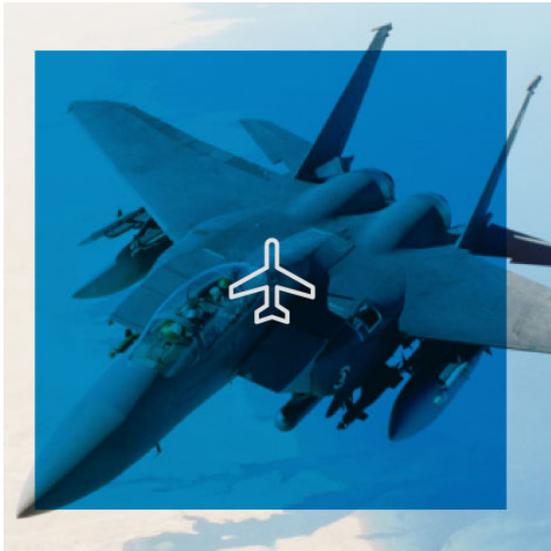# NEXTLABS

BAE Systems

- Improve business productivity by accelerating collaboration

- Reduce cost of operations by automating IT processes and centralizing systems

- Reduce cost of export compliance

CUSTOMER BACKGROUND

BAE Systems, Inc. is the U.S. subsidiary of BAE Systems plc, a global defense, security and aerospace company, which delivers a full range of products and services for air, land and naval forces, as well as advanced electronics, security, information technology solutions and customer support services.

Headquartered in Arlington, Virginia, BAE Systems, Inc. employs approximately 43,000 employees in the United States, United Kingdom, Sweden, Israel, Mexico, and South Africa, and generated 2011 sales of $14.4 billion. BAE Systems, Inc. provides support and service solutions for current and future defense, intelligence, and civilian systems; designs, develops and manufactures a wide range of electronic systems and subsystems for both military and commercial applications; produces specialized security and protection products for law enforcement and first responders; and designs, develops, produces, and provides service support of armored combat vehicles, artillery systems, and munitions.

BAE Systems is a 2012 CIO Awards Honoree for their "innovative use of technology to deliver genuine business value."

INDUSTRY

Global Defense; Security and Aerospace

CUSTOMER

BAE Systems

ENVIRONMENT

Over 43,000 employees in the United States, United Kingdom, Sweden, Israel, Mexico, and South Africa, collaborate to service and build current and next-generation defense and civilian systems.

CHALLENGE

Comply with electronic export regulations and protect IP while enabling and accelerating global collaboration:

- How do you automate the classification of data that is shared in collaboration sites?

- How do you ensure proper approval for sharing of controlled data?

- How do you centrally manage information access policies?

- How do you restrict access to technical data on collaboration sites based on need to know?

SOLUTION

NextLabs Control Center and NextLabs Entitlement Manager for Microsoft SharePoint:

- A model-based framework for policy definition and management.

- Automatic classification of shared data.

- Control data access in accordance with content classification and central policies.

- Automate approval workflow for sharing of controlled data.

- Monitor and log access decisions for compliance reporting.

"In this challenging business environment, it's more important than ever to reduce cost and improve efficiency while maintaining internal controls," said D. Michael Bennett, senior vice president of Information Management and CIO for BAE Systems, Inc. *"The BAE Systems – NextLabs team is using information technology in new and innovative ways, which allows us to be more agile as a business and provide better service to our customers."*

CIO, BAE Systems

THE CHALLENGE

To reduce cost, streamline operations and improve business agility, BAE Systems leverages collaboration sites using Microsoft SharePoint 2010 to allow employees from across the global organization, as well as contractors, suppliers and third party vendors, to collaborate on BAE projects. About 50,000 users leverage Microsoft SharePoint sites for collaboration. However, supporting this level of collaboration creates several challenges.

First, the overheads on IT and end users are substantial. IT receives about 400 site creation requests a month, each takes time to set up, and users have to wait for their identities and group memberships to be validated and for document contents to be approved for sharing before they could start using the collaboration sites. This overhead translates to higher cost of IT operations, and loss of end user business productivity.

In addition, there is virtually no way to ensure that documents shared on these sites are accessible only to authorized users, as required by export control regulations or intellectual property protection mandates. What is needed is a system that automatically scans and classifies documents, and automatically prevents unauthorized users from accessing sensitive documents.

The BAE Systems team also wanted to create a platform to centrally manage authorization policies. Without a model-based authorization framework, export licenses can only be enforced through custom programming, and individual systems will each have their own authorization, which is expensive to maintain and impossible to maintain policy consistency.

The BAE Systems team identified the following key requirements for the solution:

- The solution has to provide self-service provisioning of collaboration sites.

- Workflows for site approval and creation needs to be automated.

- Documents uploaded for sharing on the collaboration sites must be automatically classified and tagged based on centrally defined policies.

- If restricted contents are uploaded, documents will be automatically routed to Compliance Officers to validate classification.

- Authorization policies must be centrally managed and automatically applied to documents to dynamically determine which users can access what content, based on factors such as content classification, user identity and location.

- Sensitive documents will be automatically hidden from users who are not authorized to view restricted contents.

- Solution must be extensible to other key enterprise systems beyond Microsoft SharePoint for future growth.

THE SOLUTION

BAE Systems chose the NextLabs Information Risk Management solution to help meet their challenges. Together with Microsoft SharePoint, the NextLabs solution enables the following key capabilities:

- Provide a model-based business authorization framework with easy to use policy components (such as the definition of "US Persons") that enables compliance objectives (such as "Only US Persons can access program X data") to be easily expressed in near-English like XACML-based statements.

- Automate classification of documents as they are uploaded to collaboration sites.

- Control access to uploaded documents in accordance with central policies and content classification.

- Automate workflow to request review and approval to distribute controlled data.

- Monitor and log activities, and provide reports for forensic investigation and compliance audits.

- Extensible to protect data across all enterprise applications with a consistent centralized policy set.

BENEFITS

The solution was deployed to more than 50,000 users in about 6 months and delivered the following benefits:

- Improvement in Business Productivity
  The solution reduced the end user wait time from hours to minutes, allowing users to collaborate immediately without losing time. This enables greater user productivity and accelerates collaboration.

- Reduction in IT Overhead
  The solution reduced IT overhead each time a collaboration site is requested. Fine grained policy control also allowed IT to consolidate collaboration services to a common platform, saving systems and admin cost.

- Reduction in Cost of Export Compliance
  The solution reduced the manpower for export audit, reporting and training, and reduces the risk of compliance exposure.

ABOUT NEXTLABS

NextLabs®, Inc. provides data-centric security software to protect business critical data and applications. Our patented dynamic authorization technology and industry leading attribute-based policy platform helps enterprises identify and protect sensitive data, monitor and control access to the data, and prevent regulatory violations – whether in the cloud or on premises. The software automates enforcement of security controls and compliance policies to enable secure information sharing across the extended enterprise. NextLabs has some of the largest global enterprises as customers and has strategic relationships with industry leaders such as SAP, Siemens, Microsoft, and IBM. For more information on NextLabs, please visit http://www.nextlabs.com.

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