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CONFERENCE

**SAP Analytics &
BusinessObjects**

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Tom Fallwell and Mike Morello
*Federal Mandate: Annual Account Recertification
within SAP BusinessObjects*
Session 3560



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LEARNING POINTS

- Learn what is Account Recertification and why is it important and mandated by FISMA?
- Learn how to leverage extracted meta data from SAP BusinessObjects to fulfill FISMA.
- Learn about how we provided automated reports to maintain continuous and daily compliance.



FISMA and Account Recertification

- Account Reconciliation is an annual and quarterly process mandated by the Federal Information Security Management Act (FISMA).
- All computer systems used by US Federal Agencies are required to adhere to FISMA.
- The Department of Homeland Security will provide additional operational support to federal agencies in securing federal systems.
- A major part of this support is the coordination of Quarterly and Annual Account Recertification. It is including user activity and follow through time the access rights



Complying with Account Recertification Requests

To comply with all those rules within our SAP BusinessObjects deployments we needed to:

- Identify and remove BOBJ accounts of users who have left the organization
- Track dormant SAP BusinessObjects users along criteria such as "date of last access is greater than 6 months"
- Track whose duties no longer require access to a specific SAP BusinessObjects resource
- Certify that a user's access to certain areas of SAP BusinessObjects is still appropriate for their current role.



Problem With Compliance

- BOE Administrators would fill out Compliance forms based on fact gathered from CMC application IE. Number of users in the system or they would write scripts to extract certain Users and their last login date.
- Scripts got too complicated when calculating inherited effective rights across all folders.
- The data collected from scripts was simply stored in spreadsheets.
- Compliance response could take 1 person over two weeks to complete the compliance reports and it was not that accurate.



Capture Meta Data

- USMS was already leveraging 360eyes software from GB&Smith to capture meta data and 360view to automate the backup of reports.
- The daily 360eyes jobs parameters were set to include a calculation of effective rights.
- 360eyes include one Universe and 50 prebuilt reports so the team used several of the reports as a template to build custom report in the format that FISMA required.
- What used to take 2 weeks and was not relied on as accurate, now can be fulfilled in seconds.



RETURN ON INVESTMENT

- Cost to manually respond request
 - 320 man hours per year at \$110/hr = \$35,200
 - Potential cost of system breach = incalculable
- Cost of automated response
 - 4 man hours per year at \$110/hr = \$440
 - Enterprise license of 360eyes = \$15K – \$20K
- Estimated Annual Savings
 - \$19,760 in Savings for Year one
 - \$34,757 in Savings each year there after



BEST PRACTICES

- 360eyes jobs can be run in any of three contexts: CMS, Webi, or Crystal. Start with CMS to get an overview.
- 360eyes jobs can be configured to keep the most recent meta data or create “snapshots” that records meta data changes over time.
- BOE Administrators use the 360eye universe to keep track of “kludge” buildup.
- BOE Report Developers use 360eyes to find dependency in objects like “What will be the net affect to Webi reports that use a particular field object in a Universe if that object were changed?”



KEY LEARNINGS

- SAP BusinessObjects stores a wealth of meta data for every object (report, folder, user, group, etc.) Tap into it!
- Using scripts to capture meta data is fine but COM SDK is gone and for every new question, one must create a new script.
- Having a meta data capture and reporting system is critical to large enterprise deployments of SAP BusinessObjects.
- Highlight/summarize 3-5 key learning points from the presentation.



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