



A leading oil company uses APM from realtime for their Sarbanes-Oxley compliance issues and risk management

Summary:

Marathon Oil Corporation, based in Houston, Texas, is the fourth-largest U.S.-based fully integrated international energy company engaged in exploration and production; integrated gas; and refining, marketing and transportation operations. Today, Marathon has approximately 28,000 employees and 2005 revenues of more than U.S. \$63 billion. In 2003 Marathon began preparing for the first formal audit of its internal controls as mandated by the Sarbanes-Oxley (SOX) legislation. A key focus for Marathon was to automate and strengthen security access controls by implementing a reliable solution to address sensitive access and segregation of duties (SoD) in its SAP environment.

Key Challenges

After the initial assessment, the following challenges were identified to be addressed in order to prepare for the attestation surrounding internal controls, and to achieve Marathon's business goals:

- Proactively prevent SoD violations within the SAP system
- Empower Business to understand the risks resulting from the requested access
- Reduce the time and cost required to monitor SAP user access
- Improve user provisioning turn around time

Project Objectives

Based on the business requirements identified, and after a demonstration of the APM Risk and Role Management Solution, Marathon determined that the product would support their business requirements. With the help of TK Consulting, APM was up and running within two weeks. Marathon was able to implement their initial set of authorization management controls in 2 months based on the process controls defined by the business process owners and using the security entitlement process defined by Marathon. At the beginning of 2006, Marathon purchased additional APM user licenses for all their SAP Systems and they did a global rollout of the solution.

Key APM Benefits

- Easy Adoption
- SOX Compliance
- Fast Implementation
- Integrated within SAP
- Quick Return on Investment
- Complete Risk Management Solution

AT A GLANCE

Summary

In 2003, Marathon Oil Corporation installed realtime's APM software to automate Sarbanes-Oxley compliance controls.

Website

www.marathon.com

Key Challenges

- Streamline Sarbanes-Oxley compliance
- Risk Analysis
- Automate SoD controls
- Proactively prevent SoD violations
- Improve user-provisioning turn around

Project Objectives

Marathon was evaluating risk solutions with a strong focus on automating SoD controls in order to meet their specific challenges. One key criterion was a quick roll out and a fast implementation of their initial set of authorization management controls.

Business Benefits

The APM tool met Marathon's extensive technology requirements and offered the functionality that Marathon was looking for at a competitive price. The manufacturer showed great flexibility and responsiveness while working with the Marathon Team on their requirements.

Implementation Partner

TK Consulting in Houston, TX
www.tkconsultants.com

Implementation Highlights

- Highly customizable
- Integrated in SAP
- Quick implementation
- Affordable Solution

Key Benefits

- Easy Adoption
- SOX Compliance
- Fast Implementation
- Quick Return on Investment
- Complete Risk Management



CASE STUDY APM

MARATHON OIL CORPORATION

APM - Risk Management

APM provides comprehensive capabilities for real-time Segregation of Duties (SoD) as well as Critical Authorization (CA) monitoring across mySAP ERP Systems. User access and role changes can be simulated to identify potential risks throughout the SAP landscape, before they are implemented or migrated into production.

APM's direct integration with SAP's Profile Generator eliminates potential risks and errors by validating rules and deactivating pre-defined sensitive authorization during role creation and maintenance.

APM Risk Generator accelerates the process to define rules for SoD & CA by proposing and generating authorization configuration settings such as: access rights to company code, plant codes, document types, movement types, HR infotypes, etc.

Highlights about Marathon Oil Corporation:

- ◆ Marathon is a fully integrated energy business focused on value creation
- ◆ 4th largest U.S.-based integrated Oil and Gas Company
- ◆ 5th largest U.S. refiner
- ◆ 23rd on 2006 Fortune 500 list of top U.S. companies
- ◆ 2005 Revenues of \$63 billion

Key APM Functionalities

- Real-time and simulated Segregation of Duties (SoD) & Critical Authorization (CA) analysis for user access and role across mySAP ERP Systems
- Direct integration with Profile Generator enables immediate rule validation and remediation during role creation and maintenance
- Comprehensive, pre-configured and customizable rules
- Rule Generator accelerates the SoD & CA rule definition process
- Pre-defined reports for management, internal audit and control, and IT Security

About *realtime*

realtime was established in Europe by former senior SAP employees in 1986 with an emphasis on innovative, inexpensive, and convenient solutions for access control, authorization risk management, expert consulting, and advanced security to include biometrics. *realtime* has a client base of over 200 "Fortune Global 500" customers in Europe and in North America, including the U.S. Army, Bayer, DaimlerChrysler, Siemens, Toyota, Esso, Procter & Gamble, DuPont, Marathon Oil, Nestlé, and others.

Brevard County Government won the prestigious InfoWorld 100 Award in 2003 using bioLock, *realtime*'s biometric identity management and access control solution, to comply with HIPAA. *realtime* supports clients with both consulting services and compliance solutions (www.compliance4sap.com). *realtime* is a member of the SAP Software Partner Program with certified integrations to SAP solutions.

A Sample of over 150 APM Customers:



Kim Tang, Founder
TK Consulting, LP

2005 Marathon Oil Supplier
Diversity Vendor of the Year

About TK Consulting

Tk Consulting has more than 10 years of SAP Security Experience and is in charge of the APM implementation at Marathon Oil. Due to the SOX challenges, TK has developed a unique Four-Tier Methodology to: Align complete IT services with the business goals and objectives; completely unite the perspectives of stakeholders and raise awareness of costs and benefits.



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