



# Implementation of Effective Security Was the Natural Choice for Canadian Natural

*“Q Software provides quality assurance prior to impacting production users in their day-to-day role.”*

## Q Software Solution Security Manager Pro

### ABOUT CANADIAN NATURAL

In 1989, Canadian Natural was an oil and natural gas company operating only in Alberta which employed 9 people, produced about 1,400 barrels of oil equivalent per day and had a market capitalization of about \$1 million. By adhering to defined growth principles and through acquisitions it has grown to approximately 3,700 employees, production of over 610,000 barrels of oil equivalent per day and an enterprise value of approximately \$44 billion. Growth of this nature must be complemented by strong business processes and effective controls.



### ABOUT Q SOFTWARE:

Q Software delivers security and compliance solutions for users of JD Edwards EnterpriseOne, JD Edwards World and Oracle E-Business Suite. Our products help customers protect their businesses from fraud whilst significantly reducing the cost, effort, and complexity of managing risk and demonstrating regulatory compliance.

## Challenges

- Canadian Natural is using JD Edwards EnterpriseOne. Whilst the tools within EnterpriseOne enabled Canadian Natural to achieve SOX compliance, reporting on security was cumbersome and largely a manual process, which took about 50% of one person's time and resulted in a 10% risk of error.
- Canadian Natural believes controls are fundamentally important for its business, irrespective of SOX. Quarterly reviews of security compliance and access controls were an integral part of application security strategies.
- Quick response times to user security requirements and requests presented a challenge, as EnterpriseOne provides no easy way to assess the impact of security changes.
- Segregation of Duties controls were also a manual process, as there is no facility within EnterpriseOne to assist with SoD.

## Solutions and Benefits Achieved

- The security set-up was very detailed and very complex. Canadian Natural has been able to simplify this.
- Q Software automates much of the security change management effort through use of its reusable components. Changes made at a task level are automatically reflected at job function and roles or user level. This has significantly reduced the amount of security that has to be managed, which regularly reduces significant effort down to just one man day or less. It has also reduced the possibility of errors.
- Previously, errors and security conflicts were only detected by users encountering issues. Now, Security Manager Pro security validation identifies security conflicts before they occur, such as the same application with different settings assigned to a profile. This enables resolution before applying the security change, so reduces the risk of deploying erroneous security and mitigating impact on their busy end users.
- Canadian Natural plans to implement object level Segregation of Duties within Security Manager Pro to achieve even more effective controls with less effort.

*“Integrity of our land data is crucial to our business. We strive for reliability in our data. Q Software helps to protect that data from unauthorized access, so it key to our business success.”*



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