



CANADIAN PACIFIC RAILWAY

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Based in Calgary, Alberta, Canadian Pacific Railway (CPR) provides freight transportation services over a 14,000-mile network in Canada and the United States. A US\$3.9 billion organization with over 16,000 employees, CPR ships commodities ranging from cars to potash. To comply with the Sarbanes-Oxley Act, CPR selected the Virsa Compliance Calibrator application.

AT A GLANCE

Company

- Name: Canadian Pacific Railway
- Industry: Utilities – railways
- Products and services: Freight transportation
- Revenue: US\$3.9 billion
- Employees: 16,000
- Web site: www.cpr.ca

Challenges and Opportunities

- Comply with Sarbanes-Oxley Act
- Achieve secure access to CPR systems for CPR users
- Ensure adherence to corporate policies
- Automate segregation of duties (SOD) analysis and reporting
- Prevent SOD-related risks from being reintroduced into system after cleanup of user access

Objectives

- Enable business managers and IT staff to collaborate on risk identification and response
- Automatically analyze role/user combinations for SOD-related risk
- Remove access conflicts or apply proper mitigating controls
- Provide evidence of control to auditors
- Implement ongoing preventative risk measures

Solution and Services

Virsa Compliance Calibrator application

Implementation Highlights

- After a 5-month project, all risks were identified and analyzed.
- SOD controls were properly enforced.

Why SAP

- Real-time analysis and reporting without a separate data mart
- Ability to investigate custom code for complete risk analysis
- Comprehensive library of compliance rules expressed in business language for business managers
- Compliance rules powered by granular transaction code, authorization field, and activity value levels for IT managers
- Mandatory risk analysis enabling identification and resolution of conflicts before roles are assigned

Benefits

- Enforce key SOD control at lowest total cost of ownership
- Identify and resolve conflicts at most granular level
- Implementation of best practice preventative approach

“A key internal control in any organization is segregation of duties, which is arduous to achieve manually with all the different transactional access available in SAP [software]. Virsa Compliance Calibrator automated this function and enabled us to change our process and implement a preventative solution for future ongoing compliance.”

Margaret Sokolov,
SAP Security and Controls Lead,
Canadian Pacific Railway



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