



# Case Study

## CANADIAN MEDIA CORPORATION BUILDS CODE ANALYSIS AND COMPLIANCE CHECKS INTO DEVELOPMENT PROCESS, ACCELERATES APPLICATION DELIVERY AND PASSES PCI DSS AUDIT

### INDUSTRY

Media Production

### COMPANY SIZE

1,000

### ERP SYSTEM

SAP

### BACKGROUND

Today, one of Canada's largest media organizations has evolved into a full service multimedia publishing across four major platforms: print, online, mobile and video. Handling high volumes of credit card transactions and credit card data is daily business; therefore PCI DSS compliance is a must for the organization.

The Payment Card Industry Data Security Standard (PCI DSS) is a proprietary information security standard for organizations that store, process or transmit cardholder data. Introduced in 2004 by five major card companies (Visa, Master Card, American Express, Discover and JCB), the primary goal of the standard is to protect cardholder data and to reduce data theft and credit card fraud.

Failure to comply with the standard can result in substantial penalties, restrictions or even barring. Payment Card Industry Security Standards Council, for example, has established fines of up to \$500,000 per incident for security breaches at non-compliant organizations.

One of the major requirements regarding PCI DSS compliance is to develop and maintain secure systems and applications. After an initial assessment, the media corporation decided to bring all card data into their SAP systems and encrypt it. A lot of work went into moving credit card data from a multitude of less secure databases and files into SAP. Now that SAP was storing cardholder data, it needed to meet PCI DSS standards.

The organization has used SAP solutions since 2002. In order to adapt its SAP solutions to specific requirements of the North American market, they had to put a lot of ABAP custom development into its SAP systems, with most of the major developments done by external companies.

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With Onapsis code analysis tightly integrated into our SAP change and transport management, we could scan all our custom ABAP code and identify non-compliant code in no time at all. To get rid of the bad code, we fanned out the work to internal and external developers and did a fix-scan-fix-scan-cycle. The auditors reviewed the Onapsis reports and told us we were finally PCI DSS compliant in SAP.

SAP SECURITY LEAD, MEDIA CORPORATION



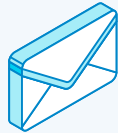
**FAST, RELIABLE,  
AND AUTOMATED  
IDENTIFICATION OF  
CODE ISSUES**



**TIGHT INTEGRATION  
INTO SAP CHANGE  
MANAGEMENT  
PROCESSES**



**EASILY PRODUCE  
DOCUMENTATION  
FOR THIRD-PARTY  
AUDITS**



**ACCELERATE  
APPLICATION  
DELIVERY**



**ENSURE PCI DSS  
COMPLIANCE  
AT CODE LEVEL**

## CHALLENGE

Improve custom ABAP code to meet PCI DSS requirements and pass external audit on SAP systems

## SOLUTION

Onapsis scans all ABAP code for vulnerabilities or misconfigurations against PCI DSS requirements so developers know exactly what to fix. The media corporation can produce reports from Onapsis and share these with external auditors to prove their code meets compliance. The time and resources needed to make their code compliant and prove that compliance has been significantly reduced, allowing internal teams to focus on development and accelerate application delivery.

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## SOLUTION

With Onapsis code analysis, the organization was able to scan their ABAP code to see if it complied with PCI DSS. Onapsis testing is comprehensive and tightly integrated with SAP and can be customized to test code specifically against PCI DSS requirements. This way developers know exactly what to fix.

Using Onapsis also enabled the media corporation to easily produce reports and documentation that they could share with external auditors regarding the current state of their code, which significantly reduced the time and resources needed for the audit process. After a couple rounds of testing and fixing, the organization was able to use these reports to prove to auditors that their ABAP code was compliant with PCI DSS. By building Onapsis code analysis into their development process, they can now ensure these compliance baselines are implemented from the start and all new code will be compliant.

## RESULTS

- Ensure PCI DSS compliance at code level
- Fast, reliable and automated identification of security and compliance risks in SAP's ABAP custom code
- Tight integration into SAP change and transport management processes with enforced ABAP code auditing ("ABAP Code Firewall")
- Easily produce documentation for third party audits, freeing up development resources to focus on core competencies instead of audit preparation
- Accelerate application delivery by building compliance checks early in the development process and providing actionable remediation guidance

## ABOUT ONAPSIS

Onapsis protects the business-critical applications that power the global economy including ERP, CRM, PLM, HCM, SCM and BI applications from SAP®, Oracle® and leading SaaS providers. Onapsis proudly serves more than 300 of the world's leading brands including 20% of the Fortune 100 and partners with leading consulting and audit firms such as Accenture, Deloitte, IBM, PwC and Verizon. The Onapsis Research Labs is responsible for the discovery and mitigation of more than 800 zero-day business-critical application vulnerabilities.



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