

Juniper Networks and Oracle Addressing PCI DSS Compliance Through Integrated Solutions

An Integrated Identity Management and Network Security Solution

Challenge

Identity management and network security must work together to help meet the PCI Data Security Standard (DSS) compliance requirements.

Solution

Juniper Networks and Oracle partner to provide a seamless, clientless, single sign-on and secure access environment across multiple user repositories, applications and corporate resources to support PCI DSS compliance requirements.

Juniper Benefits

- Field proven and cost-effective solution
- Integrates with existing infrastructure to lower Total Cost of Ownership (TCO)
- Fast and seamless deployment
- Easy to leverage solution for other compliance and security efforts further increasing ROI

Adherence to the Payment Card Industry Data Security Standard is critical to protecting the integrity of organizations and the trust of their customers and business partners. Organizations seek robust and cost-effective solutions from their technology partners to provide a comprehensive security framework that protects their customers' information throughout the payment process. Juniper Networks and Oracle deliver an integrated PCI DSS solution that meets today's security and compliance requirements while providing the capabilities that will evolve into a sustainable architecture for the secured enterprise.

The Challenge

Everyday you see the headlines.

“Identity Theft” “Lost Backup Tapes” “Millions in Liability”

The escalating volume of customer data stolen every day has reached critical proportions. Every entity—merchants, banks and service providers—involved in the payment process must adhere to the PCI DSS standard or run the risk of serious disruptions to their business such as:

- Loss of customers and business partners from lack of trust
- Stiff fines for failing PCI DSS audits
- Costs associated with reissuing credit cards, supplying credit reports, settling customer lawsuits, and so on
- Loss of the right to accept credit cards as a means of payment

The urgency of this situation has forced the card issuers to define standards and guidelines to mitigate this risk. By following the guidelines, affected organizations realize the benefits of secure business practices, and those who don't can be severely penalized with losses and fines.

Analyst Validation

As Gartner says, “Convince the budget decision makers that the cost of securing data is far lower than the cost of responding to a data breach.” We don't have to look far for examples of exorbitant costs stemming from lack of security:

- An identity is stolen every 79 Seconds* costing the payment card industry \$55 billion!
- Online credit card fraud is approaching \$3 billion a year in North America alone.
- In one of the most recent high profile cases, a large retailer lost at least \$139 million from a major customer data breach (1/2007)

Business Driver

Card issuers, merchants, banks and processors strive to make the payment process as easy and risk-free for the consumer as possible. However, existing business practices have created an environment where breaches happen every day, and the FTC tells us that the average breach costs an enterprise \$4.8 million. Gartner states that it costs up to \$80 per customer record per breach as compared with the cost to simply encrypt that record, which ranges from \$6 to \$16.

The Juniper Networks and Oracle PCI DSS Solution

Juniper Networks is the recognized leader in network and infrastructure security. Juniper's innovative and leading security solutions provide many of the necessary elements of PCI DSS compliance. Juniper is differentiated by its ability to support a highly integrated PCI compliance solution: our combination of Secure Access SSL VPN, firewalls, wireless security, Intrusion Detection and Prevention products, RADIUS/AAA servers, Unified Access Control, data center consolidation and High Availability (HA) solutions sets Juniper apart from any other PCI compliance security solution provider.

Oracle provides critical security solutions for PCI compliance in numerous areas, including Identity and Access Management (IAM), Audit and Reporting, and Enterprise Information Security. Oracle's industry leading IAM provides provisioning, single sign-on, password management, fraud protection, and more. As the world's leader in enterprise applications and database solutions, Oracle also provides strong encryption capabilities, fine-grained access controls, and auditing and reporting solutions with Database Vault[®], Audit Vault[®], Label Security[®], and more.

Juniper and Oracle partner to provide an integrated and robust network security and identity management PCI compliance solution. Within the recommended PCI compliance architecture, Juniper's Secure Access SSL VPN solution integrates seamlessly with Oracle Access Manager and Oracle Identity Federation products to provide Single Sign-On (SSO) to Web-based applications, such as Oracle PeopleSoft Enterprise and Siebel CRM offerings, via standards-based Security Assertion Markup Language (SAML) SSO. This integration provides a proven and vendor supported solution for integrated network security and identity management supporting PCI compliance with a clientless single sign-on and secure access solution across the enterprise.

Features and Benefits

Together, Juniper and Oracle provide enterprises a cost-effective PCI solution that addresses the credit card problem and also provides a comprehensive information security framework that may be leveraged for other critical security compliance initiatives such as Sarbanes-Oxley (SOX), Health Insurance Portability and Accountability Act (HIPAA), Gramm-Leach-Bliley Act (GLBA) and more. Together, Juniper and Oracle can help enterprises:

- Lower the cost associated with achieving and maintaining PCI compliance
- Improve and simplify business process automation
- Provide a competitive advantage in securing cardholder data
- Allow business agility through ongoing secure best practices

Solution Components

Juniper Network Security

Juniper Networks' compliance solution includes strong encryption with Secure Access SSL VPN, firewalls with integrated Intrusion Detection and Prevention (IDP) and antivirus, and Unified Access Control (UAC) integrated with Oracle Access Manager and Oracle Identity Federation products. This provides a comprehensive enterprise security framework that delivers robust security with capital and operational business savings. Additional information about this solution can be found at www.juniper.net/compliance.

Oracle Identity Management

Serving as the security backbone for Oracle Fusion Middleware, Oracle Identity Management helps customers and partners decrease security threats across diverse IT environments while helping address governance, risk and compliance needs. Oracle Identity Management's support of industry standards such as Web Services Interoperability Organization (WS), eXtensible Access Control Markup Language (XACML), SAML and Service Provisioning Markup Language (SPML) helps enable customers and partners to more easily integrate applications with the framework. To learn more, visit <http://www.oracle.com/identity>.

Summary—a Seamless PCI DSS Compliance Solution from Oracle and Juniper Networks

Juniper Networks and Oracle validation of the integrated identity management and network security solution takes the work out of validating a workable solution for our customers. The solution is validated and supported by both Juniper and Oracle. Having a validated solution reduces time and cost of deployments. Furthermore, you can have confidence in knowing that you have a solution that is tightly integrated and can enforce necessary identity management policy within your network security architecture.

Next Steps

To learn more about PCI compliance and Juniper Networks' security solutions, please contact us at www.juniper.net, or visit our compliance page at www.juniper.net/compliance, or call (866) 298-6428.

About Oracle

Oracle is the world's largest enterprise software company. For more information about Oracle, visit the Web site at www.oracle.com.

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About Juniper Networks

Juniper Networks, Inc. is the leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Additional information can be found at www.juniper.net.



To purchase Juniper Networks solutions, please contact your Juniper Networks sales representative at 1-866-298-6428 or authorized reseller.