

JUNIPER NETWORKS WXC APPLICATION ACCELERATION PLATFORM INTEGRATION WITH ORACLE E-BUSINESS SUITE 12



Juniper Networks WXC Platform Accelerates Oracle E-Business Suite, Enabling Increased Productivity and Lower Operational Costs

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Company Overview

Juniper Networks, Inc. is the leader in high-performance networking. Juniper Networks 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. Juniper is also an Oracle Certified Advantage Partner and is working with Oracle to deliver solutions that provide compelling value to its customers.

Integration Overview

The Juniper Networks WXC application acceleration platforms provide distributed enterprises with a cost-effective, scalable solution for accelerating applications over a WAN, helping businesses improve application response times, maximize WAN investments, and control and prioritize key applications. The WXC platform is tested and integrated with Oracle E-Business Suite to reduce the effects of WAN latency, network congestion, and packet loss to ensure superior end-to-end performance of Oracle applications. The WXC platform provides:

- Robust compression of HTML, HTTP/HTTPS, and Oracle Forms traffic to reduce payload and improve response time.
- Comprehensive TCP acceleration with packet flow to overcome the limitation of TCP/IP and packet-loss across medium to high-latency WAN links
- Application-specific acceleration with application flow acceleration to improve the chattiness of HTTP/HTTPS-based applications
- Best-in-class quality of serve to allow prioritization and bandwidth allocation for mission-critical Oracle E-Business Suite applications over nonbusiness critical traffic.

INTEGRATED WITH

E-BUSINESS SUITE

Through the Oracle PartnerNetwork Application Integration Architecture for Partners Initiative, partners with validated integrations are able to provide customers with standards-based product integrations, tested and validated by Oracle. Customers benefit from improved risk management and smoother upgrade capability, leading to a lower total cost of ownership and greater overall satisfaction.

Integration Details

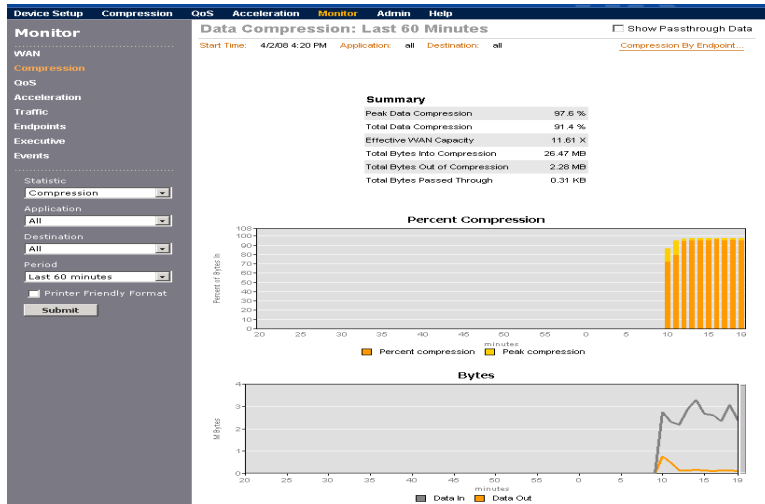
WXC is a symmetric WAN optimization solution that requires an appliance be placed at each end of a WAN link. Juniper tested the most common Oracle E-Business Suite transactions across a variety of Oracle E-Business Suite modules. Many transaction types such as login, report viewing, user admin, file downloading, and more were tested to exercise the use of interactive/navigation, different form types, and posting and pulling information from the applications.

With the WXC between client and application, all Oracle E-Business Suite functionality is maintained and end-to-end performance is dramatically improved. In addition, we measured the effectiveness of WXC's ability to de-encrypt HTTPS while still maintaining application integrity and improving overall response times. We also verified that application performance was improved with the built-in RC-40 bit encryption in Oracle Forms.

Key Results

- Compression ratios for HTTP and HTML unencrypted traffic was more than 90 percent, representing a tenfold increase in bandwidth capacity
- Compression ratios of 80 percent for Oracle Forms traffic with RC4 encryption off and 78 percent with RC4 on
- Performance improvement was 2 to 12 times for WAN latencies of 100ms and T1 bandwidth speeds depending on transaction type

Contact Juniper for information on the full test results and configurations.



Availability

For Juniper Networks sales information, please contact us at:
 +1.866.298.6428 (U.S., Canada, and Mexico)
 +1.978.589.0500 (outside U.S.)

Support

For Juniper Networks technical assistance issues:
 Phone: +1.888.314.5822
 +1.408.745.9500 (Outside U.S.)
www.juniper.net/support/request-req-support.html

Environment

Juniper Environment

Juniper Networks, WXC 590, WX OS 5.5
 Shunra STJ 100, WAN Simulator Version: 5.1 build 65.1.17

Oracle Environment

Oracle E-Business Suite 12
 Oracle Database Server 10g (10.2.0.2)
 Oracle Application Server 10g (10.1.3.0, 10.1.2.0; mixed stack for forms and Java)

For additional information about partnering with Oracle, please contact opninfo_us@oracle.com or visit www.partners.oracle.com

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