Radware ADC Solution for Oracle E-Business Suite (EBS) 12.1

ORACLE®

E-BUSINESS SUITE

The Challenge

As enterprises rely more on business applications to make better decisions, reduce costs, and increase performance - it is becoming critical to ensure business applications are always available, highly responsive and more cost effective. Business productivity and performance are directly affected from collaboration software shortcomings. Providing an efficient service becomes an even greater challenge as the variety of clients and means of connection increase.

The Solution

Radware ADC solution delivers a complete set of availability, acceleration and security services that are dynamically allocated based on user demand without altering network configuration or adding devices. This unique architecture accommodates the future growth requirements from the Oracle E-Business Suite (EBS) solution which is typical to large and medium sized enterprises, while offering cost-effective scalability and full protection of existing investments. Radware's ADC next-generation hardware platform, OnDemand Switch, delivers on demand breakthrough performance and superior throughput and service scalability. Thanks to its on demand, "scale-as-you-grow" approach, no forklift upgrade is required even when there are new business requirements, guaranteeing short-term and long-term savings on CAPEX and OPEX for full investment protection. In an Oracle EBS environment, Radware's OnDemand Switch enables customers to pay for the exact capacity currently required by the Oracle EBS applications they have licensed, while allowing those customers to scale their ADC throughput capacity and add advanced application-aware services or application acceleration services on demand to meet new or changing application and infrastructure needs – without compromising on performance.

Radware's ADC provides maximum availability, scalability and performance to E-Business Suite 12.1 customers. It accelerates application's response time, increases server utilization by offloading resource intensive processing and helps eliminate system down time. By offering a unique pay-as-you-grow platform licensing model, Radware ADC ensures long term investment protection facilitating incremental growth demanded by today's businesses.

Radware ADC Solution Key Benefits for Oracle E-Business Suite 12.1

• High availability. The Oracle E-Business Suite solution is a comprehensive suite of integrated, global business applications. With hundreds of cross-industry capabilities spanning from enterprise resource planning, customer relationship management, and supply chain planning, the Oracle EBS helps organizations manage the complexities of global business environments.

As it has been a business-critical solution for most organizations, users expect the solution to be available for them to use at any given time; any downtime in the Oracle EBS solution will most likely cause revenue loss for the organization. Radware's ADC guarantee's 24x7 availability for the Oracle EBS solution, ensuring that users will be able to access required business information or service at any given time. ADC advanced health monitoring is capable of detecting any faulty element in the Oracle EBS deployment ensuring that users' traffic is bypassing the faulty.

- Elements and is always routed to a health element. In case of a data center disaster, Radware's global sever load balancing (GSLB) functionality automatically redirects all new user requests to the backup data center while ensuring a transparent, fast disaster recovery path . Users do not need to perform any configuration to their laptop or browser in order to benefit from this functionality.

- Acceleration and Optimization with FastView™ - Radware's FastView™ result-driven acceleration technology adds Web Performance Optimization (WPO) capabilities on top of the standard ADC application acceleration features to deliver the fastest Web application response time and ensure best application SLA while offloading server processing. The result is improved employee productivity and higher partner satisfaction when using enterprise web applications, for all browsers and all end-user device types. FastView uses a set of technologies to provide end-to-end application-aware acceleration for Oracle EBS, applicable for all types of client devices and all types of web browsers, including SSL Offloading; HTTP Multiplexing; Dynamic Caching; Content Minification; Web Compression; TCP Optimization; and Reduced HTTP number of requests per page.

- Ensure SLA - Radware Virtual Application Delivery Infrastructure (VADI™) provides vADC instance per application. Each vADC instance is allocated with dedicated CPU, memory and networking resources – a unique resource guarantee mechanism that results in: predictable performance of every vADC - as neighboring vADCs do not affect the resources of other vADCs and SLA assurance of every vADC.

   To help customers measure the application performance and ensure it meets their expected SLA at all times, Radware also provides a new Application Performance Monitoring (APM) module, enabling a proactive approach for monitoring and maintaining a high SLA of their applications. The APM module monitors the actual QoE of the end user, enabling the application admin to take a proactive approach in maintaining application SLA – as soon as they get indication of application transaction performance decline.

- CAPEX and OPEX Savings. ADC creates greater savings and lowers the Total Cost of Ownership (TCO) for organizations that deploy the Oracle EBS solution. By offloading server processing, ADC acceleration capabilities reduce CAPEX by reducing the number of servers as well as reducing the bandwidth consumption required to support the Oracle EBS solution. In addition, ADC reduces OPEX by decreasing the management costs of the Oracle EBS solution through managing all SSL connections and keys centrally in one secured location on the ADC device. Centrally handling the SSL transactions and keys ensures simpler management and better security for the organization private keys.

Integration Details

Radware ADC solution seamlessly integrates existing and newly-deployed Oracle E-Business Suite (EBS) 12.1 environments while not requiring any modifications to network infrastructure and end-user client devices software or any source code change.
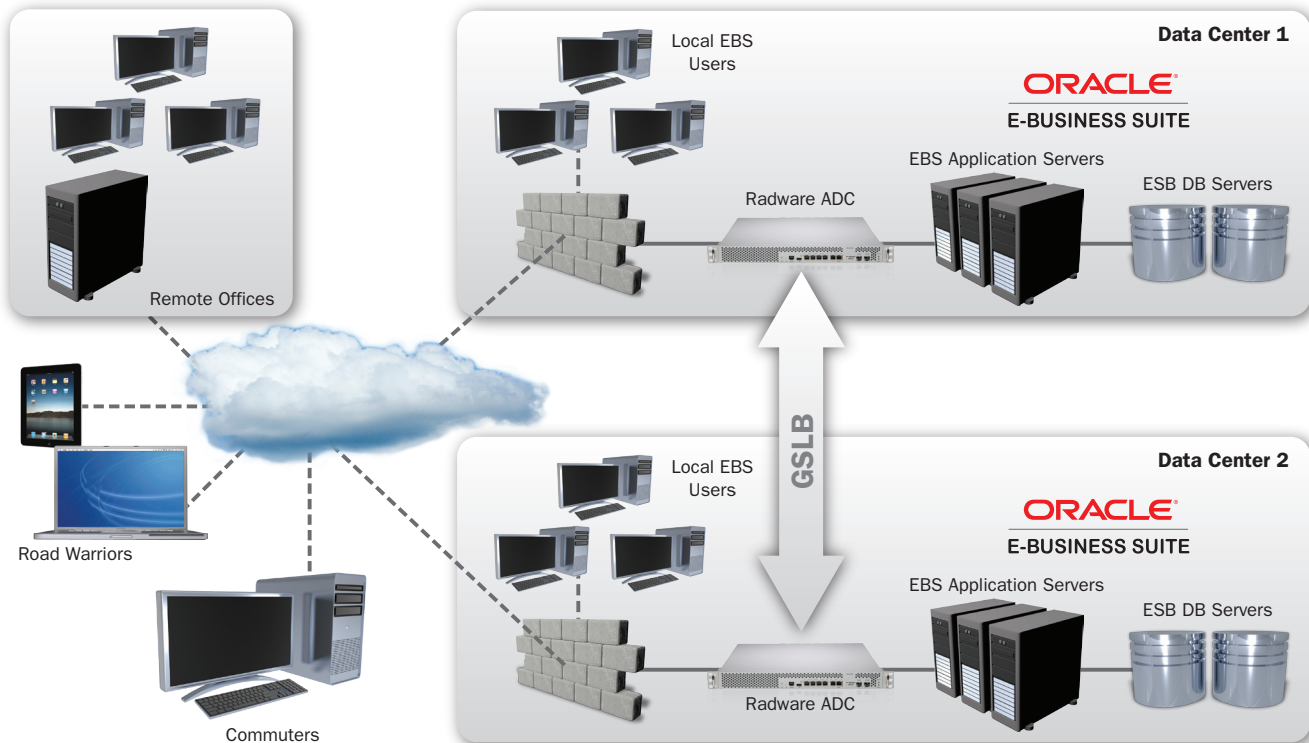
The ADC devices are deployed in-front of the Oracle application servers exposing the end user one virtual IP that represents the entire Oracle EBS service. The ADC device distributes users' transactions in an optimized manner between the different Oracle application servers elements while ensuring that each transaction is always served by a health element. In addition, the advanced acceleration and optimization capabilities which are an integral part of the ADC device enhance the end user experience of the Oracle EBS solution.

For more information, please refer to the Radware ADC solution and Oracle E-Business Suite (EBS) 12.1 integration guide.

About Radware ADC – The Most Comprehensive ADC Solution

Mission-critical applications directly affect employee productivity, business reputation and generated revenues. Data centers have evolved in terms of the network and server infrastructure, number and complexity of applications, types of users, and variety of end-users devices. But business applications – from vendors like Microsoft, SAP, Oracle, IBM and others - are expected to deliver fast response times, be available 24x7, ensure consistent and seamless access from multiple locations, and have bullet-proof security.

Radware's application delivery solution fully addresses these challenges by delivering a complete set of services to ensure availability, performance and security of mission-critical applications in the physical and virtual data center. Radware's application delivery solution delivers these services in the most cost-effective way, to ensure the fastest return on investment.

For more information visit Radware ADC solutions web page:
http://www.radware.com/Products/ApplicationDelivery/default.aspx

About Radware

Radware, the global leader in integrated application delivery solutions, assures the complete availability, performance and security of business-critical applications for more than 10,000 enterprises and carriers worldwide. With Radware's comprehensive APSolute suite of application front end, access and security products, companies can drive business productivity, improve profitability, and reduce IT operating and infrastructure costs by making their networks "business-smart."