

# Radware Certified Solutions Optimize and Secure Oracle 10g Enterprise Deployment Architectures

## Solution Overview

- Certified solution for Oracle® Application Server (AS) 10g High Availability (HA) reference architectures
- Radware's Application Front-End (AFE) family of application delivery controllers and application delivery accelerators ensure the availability, performance and security of Oracle servers in the Application Data and Identity Management Tiers
- Radware offers the most robust application delivery solution for optimizing Oracle Active-Active architectures and can also be deployed in Oracle's next generation GRID high availability architectures
- Radware's Insite Oracle Configurator automatically optimizes device configuration with centralized management tool

## Value Proposition

- Optimizes transaction processing in Oracle 10g high availability environments for mission-critical applications
- Eliminates downtime associated with Oracle-specific health checks
- Ensures fastest response time by choosing the best available Oracle host or application
- Safeguards against Oracle security vulnerabilities by securing encrypted transactions and providing comprehensive, integrated, IPS and DoS protection
- Streamlines complex, multi-step operations with application-smart Oracle 10g network management

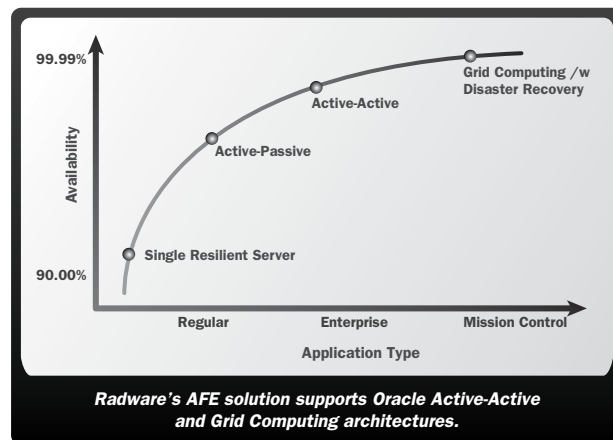
## Business Benefits

- Provides business continuity and transaction completion by reducing risks associated with failure points in your Oracle network
- Improves user productivity with end-to-end performance enhancements and fast transaction processing
- Allows for easy expansion for applications running on Oracle
- Strengthens Oracle network security
- Cuts installation time in half with Insite Oracle Configurator

## The Challenge of Large-Scale Application Server Installations

Large-scale, mission-critical Oracle AS applications have demanding needs for availability, performance and security.

Networks need to adapt to dynamic application requirements to ensure the integrity of the transactions and to meet service level agreements. Dramatic spikes in traffic, server overloads and outages, as well as application security threats can all impact business continuity and productivity.



Ensuring the end-to-end reliability, efficiency and security of an Oracle transaction path between users and servers requires: (i) network resources to be optimized for high levels of performance, (ii) fault tolerance for guaranteed application uptime, (iii) the ability to detect and protect against IPS, DoS and other emerging application-level attacks and (iv) simplified management tools to ensure optimal network configuration.

## Integrated Solutions Provide World-Class Performance and Security

Eliminating downtime, addressing web-enabled application performance bottlenecks and securing against application-based attacks are fundamental to leveraging the power of IP networks for distributed enterprise applications. Radware/Oracle integrated solutions enable organizations to rapidly develop and deploy applications while dramatically reducing the time and costs needed for integration.

## Radware/Oracle Integrated Solutions

### Radware AFE Solution

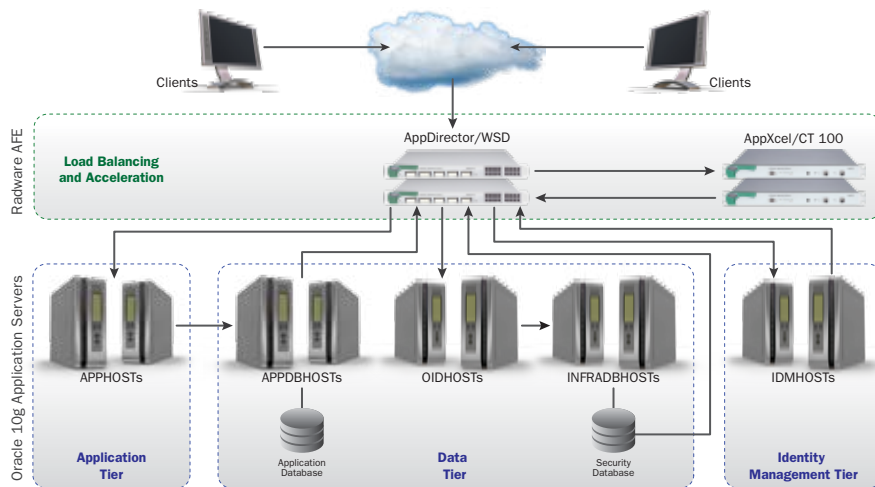
- Radware Application Delivery Controllers - AppDirector, WSD
- Radware Application Accelerators - AppXcel, CT-100
- Radware Insite Oracle Configurator

### Oracle Enterprise Deployment Architecture

- Oracle 9i
- Oracle 10g
- Oracle 11i
- Oracle Mega Grid

Radware products have proven to be particularly valuable for Oracle large-scale installations, providing the increased availability, continuity, network performance, and security required by revenue-generating and mission-critical enterprise applications.

Deploying Radware's AFE solutions in Oracle's Enterprise Deployment Architectures eliminates application and SSL failures across networks, ensuring transaction persistency for the continuous, fault tolerant operation of your Oracle Application Servers.



Radware Certified Solution for Oracle Application Server (AS) 10g High Availability (HA) Reference Architecture

## Radware Enhancements for Improving Oracle HA Architectures

### Availability Features:

- Load balancing of traffic among Oracle servers
- Advanced health monitoring of Oracle server farms
- Redundancy and auto rollover in the event of an Oracle server failure

### Security Features:

- Intrusion prevention to block suspect content
- Denial of Service protection to mitigate DoS/DDoS and SYN attacks

### Performance Features:

- SSL offloading and HTTP compression to speed processing by up to 500%
- TCP optimization to boost application response time across the WAN, and minimize errors and packet loss
- Caching to improve clustering performance
- Bandwidth management to optimize throughput

### Management Features:

- Insite Oracle Configurator reduces installation time up to 50 percent



### Proven Experience for World-Wide Deployments

A certified partner in the Oracle PartnerNetwork program since 2004, Radware offers the most comprehensive set of Oracle-specific features and tools available for 9i, 10g and 11i application server installations. With a satisfied installed base of large-scale Oracle customers worldwide, Radware boasts more than 40+ implementations across 11 countries and 15 vertical markets.