

ORACLE PLATFORM SECURITY

KEY FEATURES AND BENEFITS

- Oracle Application Server 10g is a Java Platform that allows enterprises to build and deploy pure Java applications that adhere to the Java Security and J2EE security standards.
- Native support for Active Directory and any LDAP store.
- Comprehensive Web Service Security including XML Digital Signatures, XML Encryption, Security Tokens, and IDM integration.
- Built-in to Oracle Fusion Middleware for seamless application integration and lower TCO.
- Security Context Propagation
- JACC Support

Introduction

Oracle Application Server 10g is an integrated, standards-based software platform that allows organizations of all sizes to be more responsive to changing business requirements. It is a platform that provides an enterprise with the ability to develop, deploy and manage business applications and services in an efficient and cost effective manner. Managing security in an environment that consists of personalized portals, allows access from wired and wireless devices to business applications and dealing with application integration is serious business. In order to achieve this, Oracle Application Server 10g release 3 provides security features across a number of components, including:

- Java Platform Security (JPS)
- SSL Connectivity
- Oracle HTTP Server Security
- Oracle Web Cache Security
- Oracle Identity Management

Java Platform Security

As a standard Java platform, Oracle Java Platform Security (JPS) offers the standard Java Security Model services for authentication and authorization. JPS uses the standard Java Authentication and Authorization Service (JAAS) to provide pluggable authentication and permissions based authorization for all Oracle Application Server components. JPS provides the infrastructure to enable one or more authentication mechanisms for the container.

SSL Connectivity

Oracle Application Server 10g components can communicate with one another over secure sockets layer. For example, users accessing applications can communicate over https protocol, or containers can invoke remote EJB methods over ORMI.

Oracle HTTP Server Security Features

Oracle's HTTP Server supports a number of security features that enable companies to lock down their applications. Oracle Http Server also bundles the mod_security plug in for Apache. This provides a non-invasive method to define filters to detect anomalies like SQL injections, and prescribe appropriate actions

Oracle Web Cache Security Features

Oracle Web Cache can be configured to cache pages for https protocol requests. Oracle Web Cache relies on the Oracle SSL libraries for its SSL services and as a result, it supports TLS and AES cipher suites, and provides hardware acceleration support.