

“One of the benefits of enabling Oracle EBS with SSO through OAM automates whether the person, once identified is permitted to have access to the application resting within Oracle EBS. The least it brings is security and efficiency.”

Oracle E-Business Suite integration with Oracle Access Manager.



E-Business Suite (EBS) integration with Oracle Access Manager (OAM) for Single Sign-On (SSO) involves integrating EBS with Oracle Internet Directory (OID) for user synchronization, pointing OAM's identity store to use OID, and delegating EBS authentication to OAM.

Why Integrate Oracle E-Business Suite (EBS) with Oracle Access Manager (OAM):

Oracle's E-Business Suite (EBS) is a collection of various application including enterprise resource planning (ERP), customer relationship management (CRM), and supply-chain management (SCM) computer applications. The applications in the pool of Oracle EBS are either developed or acquired by Oracle. This calls for Oracle EBS getting Single-Sign-On capabilities with Oracle Access Manager (OAM) for automated detection of whether the person, once identified is permitted to have access to the application resting within Oracle EBS. Or to state it if the user is part of a particular group to gain access into a specific application.

Solution Approach:

An important reason to consider a single sign-on integration for your Oracle E-Business Suite environment with Oracle Access Manager is to provide a single login account for Oracle E-Business Suite and other applications in a corporate environment.

Rather than setting individual nodes with each of Oracle EBS Applications (including PeopleSoft, JD Edwards and Fusion Middleware Tools such as Oracle Business Intelligence Enterprise Edition (OBIEE) & Discoverer), it smarter to deploy a SSO Solution that integrates with Oracle EBS with Oracle Access Manager.

Based on insights collected through projects completed by Avancer, Oracle EBS SSO integrations support deployments with third-party LDAP systems as well as third-party single sign-on systems.

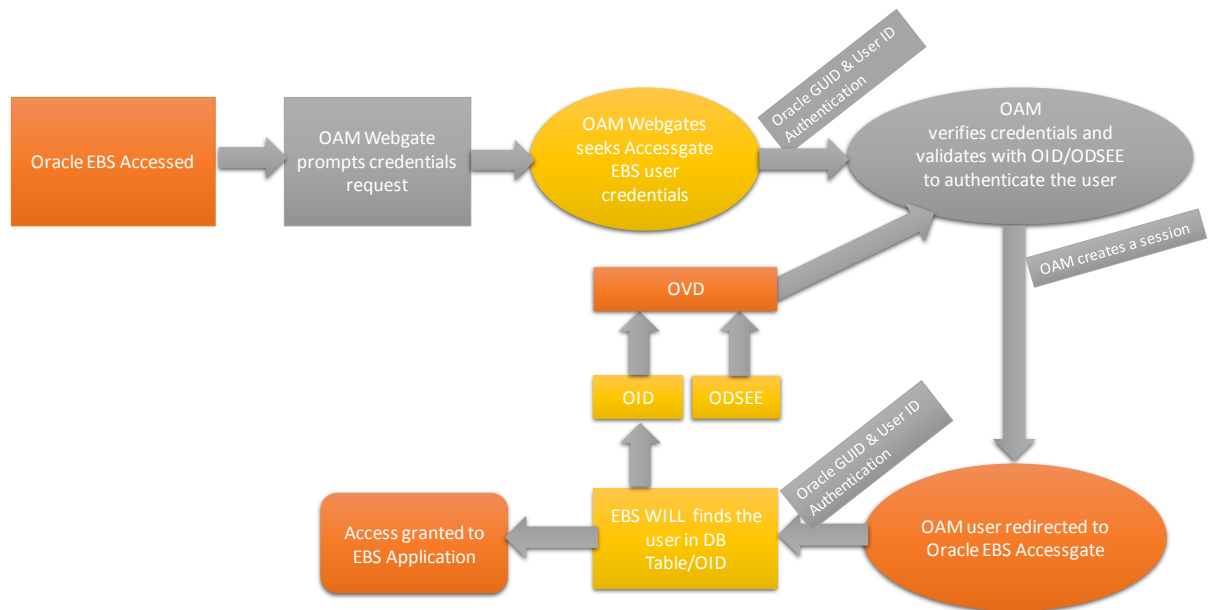
Oracle and Avancer's clients recognize Avancer as a leader in deploying various products and solving business challenges through innovative technical solutions.

Various components involved in OAM integration with Oracle EBS:

Oracle Internet Directory (OID)	A LDAP server from Oracle where all enterprise users are stored. OAM uses OID or Oracle Virtual Directory- OVD pointing to this OID) as its identity store for authentication
Directory Integration Platform (DIP)	J2EE application deployed on WebLogic server, used for provisioning/synchronization of users/groups across other LDAP servers and applications. To synchronization users between OID and EBS, DIP's provisioning component come into play.
Oracle Directory Services Manager (ODSM)	A web application deployed on WebLogic server and used to manage OID using web browser. ODSM is used to configure/manage OID, and create/delete users/groups.
Oracle WebLogic Server (WLS)	J2EE Application Server is a logical component where all resources (Admin Server, Managed Server, Java Database Connectivity(JDBC), Java Messaging Server(JMS)) are deployed/configured.
Oracle Access Manager (OAM)	J2EE application deployed on Weblogic Server and used as Authentication & Authorization Server, OAM Server consists of following sub-components: <ul style="list-style-type: none"> • OAM Server • OAM Console • OAM Configuration • OAM Policy Store
Oracle HTTP Server (OHS)	Web Server from Oracle on which Web Gate is deployed, from here users are redirected from EBS Middle Tier to this server for authentication.
Web Gate	A web server plug-in (deployed with WebServer like Apache, OHS, IHS) which intercepts user's request and send it to Oracle Access Manager Server to check if user is authenticated/authorised to access requested resource.
mod_wl_ohs	This is module in Oracle HTTP Server (OHS) which forward request from OHS to WebLogic Server as defined in mod_wl_ohs.conf
Oracle E-Business Suite Access Gate (EBS-AG)	A Java EE Application that maps a Single Sign-On user (authenticated via OAM) to an Oracle E-Business Suite user, and creates E-Business Suite session for that user.



EBS-OAM Access Flow Diagram



Business and Technical Benefit of Oracle E-Business Suite integration with Oracle Access Manager

- **Security:** A centralized security enforcement and policy control on application access. Drastically brings down the risk of compromise user credentials, ensuring secured authentication
- **Productivity:** Register increase productivity of employees by bringing ease in workflows. Get over password distress, no need to remember multiple login details.
- **Compliance:** Maintain compliance federal as well as company policy standards through a set of pre-defined protocols applicable consistently across all connected corporate applications
- **Automation:** Enable users to employ one set of login credentials to access all corporate applications. Capability to IT self-service automated support such as self-password changes requests, etc.

How Avancer brings value for Oracle E-Business Suite integration with Oracle Access Manager

The approach adopted by experts at Avancer is to enable E-Business Suite (EBS) integration with Oracle Access Manager (OAM) for Single Sign-On (SSO) by integrating EBS with Oracle Internet Directory (OID). This takes care of synchronization of OAM's identity store delegate EBS authentication to OAM.

Avancer holds expertise in integrating Oracle EBS OAM for SSO. Based on insights collected through projects completed by Avancer, Oracle EBS SSO integrations support deployments with third-party LDAP systems as well as third-party single sign-on systems. Integrating with a corporate solution for single sign-on and identity management is important in bringing efficiency in work flows, ensuring security, achieving compliance and automate IT.



Oracle E-Business Suite:

Oracle EBS is the most comprehensive suite of integrated, global business applications that enable organizations to make better decisions, reduce costs, and increase performance. With hundreds of cross-industry capabilities spanning enterprise resource planning, customer relationship management, and supply chain planning, Oracle E-Business Suite applications help customers manage the complexities of global business environments no matter if the organization is small, medium, or large in size.

Oracle Access Management (OAM):

OAM is a comprehensive solution for Applications, Data, and Web Services. It delivers risk-aware end-to-end user authentication, single sign-on and authorization protection, enabling enterprises to secure access from mobile devices and seamlessly integrate social identities with applications.

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ABOUT AVANCER CORPORATION

Avancer Corporation is a pure-play systems integrator focusing on Identity and Access Management (IAM) Technology. Founded in 2004, it has over a decade's expertise in the field of Identity and Access Governance, IT Security and Big Data security management. With a depth of experience in end-to-end IT Security Solutions, Avancer has evolved as a specialist in integrating enterprise IT security through a range of solutions, products and services focused in IAM Technology. For More Information, please Visit: www.avancercorp.com

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