

ORACLE IDENTITY FEDERATION

KEY FEATURES AND BENEFITS

ORACLE IDENTITY FEDERATION

Oracle Identity Federation supports the following protocols:

- OASIS SAML 2.0
- Liberty Alliance ID-FF 1.1 & 1.2
- OASIS SAML 1.0 & 1.1
- WS-Federation

Supported Platforms:

- Microsoft Windows
- Red Hat Linux

Supported identity repositories:

- Oracle Database
- Oracle Internet Directory
- Microsoft SQL Server
- Microsoft Active Directory
- Sun Java System Directory Server

Supported identity and access management systems:

- Oracle COREid Access & Identity
- Oracle Access Manager
- Oracle Single Sign-On
- CA SiteMinder

Oracle Identity Federation is an industry-leading federation solution providing a self-contained and flexible multi-protocol federation server deployable with existing identity and access management systems. A component of Oracle Identity Management, Oracle Identity Federation enables a cost-effective and secure solution to share identities across disparate business units, partners, vendors and customers using standards-based technologies.

Extending The Enterprise

Oracle Identity Federation enables organizations to securely link accounts and identities across security boundaries without a central user repository or endless synchronizations of data stores. With implementations of standards-based protocols, Oracle Identity Federation provides an interoperable way to provide cross domain single sign-on for vendors, customers and business partners without the exorbitant costs of managing, maintaining and administering their identities and credentials.

Heterogeneous Architecture

Oracle Identity Federation integrates with 3rd party identity and access management solutions so organizations do not need to rip out existing infrastructures. Acting as an Identity Provider (IdP), Oracle Identity Federation can authenticate users to an LDAP-compliant directory server or to a database. Oracle Identity Federation also makes direct calls to these user repositories for user attributes for higher performance. If a supported authentication or authorization system is already deployed, Oracle Identity Federation can leverage it to authenticate users and create authentication assertions to be passed on to partner applications. Acting as a Service provider (SP), Oracle Identity Federation will communicate with a supported authentication or authorization system to determine the access privileges of authenticated users, locating the attributes of the user from the data repository.

Multi-Protocol Support

Oracle Identity Federation implements the major federation protocols and has participated in several interoperability and conformance events. Oracle Identity Federation is Liberty Alliance certified for Liberty ID-FF and SAML 2.0.

To ensure standards-based interoperability, Oracle Identity Federation supports several profiles defined by open standards groups to ensure message exchanges with other vendor implementations are successful out-of-the-box. Oracle Identity Federation supports the following profiles:

- SAML 2.0: Browser Artifact, Browser POST, Single Logout,

ORACLE IDENTITY MANAGEMENT PRODUCTS

Oracle Access Manager

delivers critical functionality for access control, single sign-on, and user profile management in the heterogeneous application environment.

Oracle Identity Manager is a powerful and flexible enterprise identity provisioning and compliance monitoring solution that automates the creation, updating, and removal of users from enterprise systems such as directories, email, databases, and ERP.

Oracle Identity Federation enables cross-domain single sign-on with the industry's only identity federation server that is completely self-contained and ready to run out-of-the box.

Oracle Internet Directory is a robust and scalable LDAP V3-compliant directory service that leverages the high availability capabilities of the Oracle 10g Database platform.

Oracle Virtual Directory provides Internet and industry standard LDAP and XML views of existing enterprise identity information, without synchronizing or moving data from its native locations.

Oracle Web Services Manager is a comprehensive solution for adding policy-driven security and management capabilities to existing or new Web services.

Oracle Enterprise Single Sign-On provides users with unified sign-on and authentication across all their enterprise resources, including desktops, client-server, custom and host-based mainframe applications.

NameIdentifier, X.509 Authentication-Based Attribute Sharing

- Liberty ID-FF 1.x: Browser Artifact, Browser POST, Single Logout, NameIdentifier, Federation Termination
- SAML 1.x: Browser Artifact, Browser POST
- WS-Federation: Passive Requester

Oracle Identity Federation can also be deployed in the following roles:

- Identity Provider
- Service Provider
- Attribute Requestor
- Attribute Responder

Certificate Validation

Security is a critical aspect of any enterprise architecture and digital certificates are an important part of validation and authentication. Oracle Identity Federation provides a certificate validation store to support X.509 certificates for digital signatures and encryption. It enables you to manage trusted certificate authorities (CA) and certificate revocation lists (CRL) in an easy to use interface in the administration console. Administrators can sign and encrypt outgoing SAML assertions as well as validate and authenticate messages received from trusted providers.

Load Balancing and Failover Support

Oracle Identity Federation is designed to support mission critical applications through load balancing and failover support. To enable load balancing and failover of multiple Oracle Identity Federation Server instances, Oracle Identity Federation allows customers to set up a system with shared database instances, which multiple Oracle Identity Federation servers can access. Oracle Identity Federation servers can be configured to support specific load distribution algorithms and remove configured servers from service if particular machines go down.

Additional Information

For more information about Oracle Identity Federation and Oracle Identity Management, please visit www.oracle.com/identity.