ORACLE DIRECTORY SERVICES PLUS

KEY FEATURES AND BENEFITS

 oracle directory services plus provides identity virtualization, storage, and synchronization services for high-performance enterprise and carrier-grade environments. it is the only integrated solution that provides a complete set of directory capabilities. oracle directory services plus is a single package that includes

- oracle unified directory together with oracle virtual directory and directory integration platform is a complete solution. while unifying the approach, it provides all the services required for high performance enterprise and carrier-grade environments.
- oracle directory server enterprise edition (formerly sun directory server enterprise edition), a highly scalable and reliable directory server ideal for heterogeneous environments
- oracle internet directory, a highly scalable and reliable directory built upon oracle database and ideal for oracle environments
- oracle virtual directory, the market-leading solution for unifying identity data from multiple datasources in real time without copying or synchronizing

business challenges with directory services

two of the identity management challenges that enterprises face are the lack of a single source for identity data and the proliferation of identity stores, including directories and databases, due to a growing number of applications and users. this proliferation of data results in high administration and maintenance costs, inconsistent identity data, and compliance issues. furthermore, the lack of a single source of identity delays application deployment. on the other hand, enterprises are under constant pressure to reduce cost, improve efficiency, and increase security.

the solution: oracle directory services plus

to address these challenges, organizations need an integrated solution with a complete set of directory capabilities, including a directory server, a virtual directory, and a metadirectory. oracle directory services plus is the only such offering available on the market.

oracle directory services plus is a single integrated package comprised of oracle

**Oracle Unified Directory**

Oracle Unified Directory is an LDAP V3-compliant directory service with its own internal storage capability and a proxy feature for load-balancing, high-availability and data-distribution with global indexes for large scale deployment. Optimized for Java, available on multiple platforms with a small footprint and easy installation, it provides maximum flexibility and a large variety of deployment options. Oracle Unified Directory supports the largest deployments of Telecoms and Service Providers with Carrier Grade Service Level Agreement and availability. Its architecture is designed to support billions of users or devices and elastically scales as you grow avoiding unnecessary over-provisioning upfront. Configuration can be easily extended with additional hardware, without impacting the existing service to accommodate your current and future performance requirements.

Oracle Directory Service Manager, Oracle’s common graphical user interface for directory, in conjunction with an advance Command Line Interface and monitoring capabilities via Oracle Enterprise Manager Grid Control make Oracle Unified Directory highly manageable. Compatible with Oracle Directory Server Enterprise Edition, Oracle Unified Directory is designed to supplement an ODSEE topology, or to interoperate with an ODSEE environment, it also integrates with Oracle’s Fusion Middleware to provide an excellent all-Java experience.

**Oracle Directory Server Enterprise Edition**

Oracle Directory Server Enterprise Edition is the best-known directory server with proven large deployments in enterprise and carrier-grade environments. It is also the most-supported directory by independent software vendors (ISVs), so it is ideal for heterogeneous environments. Oracle Directory Server Enterprise Edition provides a core directory service with embedded database, directory proxy, Microsoft Active Directory synchronization, and a Web console.

Oracle Directory Server Enterprise Edition is easy to deploy and maintain and highly available, scalable, and secure. Directory proxy provides load-balancing and distributed-deployment capabilities that ensure high availability and scalability. Furthermore, Oracle Directory Server Enterprise Edition provides for both vertical and horizontal growth without major deployment redesign, and features linear scalability to a large number of CPUs. Oracle Directory Server Enterprise Edition secures data with Access Control Instructions (ACIs) that define access rights all the way down to the attribute level. In addition, the integrated Directory Proxy Server minimizes the risk of unauthorized access to data by providing ACIs at the proxy level, denial of service prevention, and authentication and encryption enforcement.

**Oracle Internet Directory**

Oracle Internet Directory is an LDAP V3–compliant directory with metadirectory capabilities. It is built on the industry-leading Oracle Database and is fully integrated into Oracle Fusion Middleware and Oracle Applications. As a result, it is ideally suited for Oracle environments or enterprises with Oracle Database expertise. Similar to Oracle Directory Server Enterprise Edition, Oracle Internet
Directory is proven with large deployments in enterprise and carrier-grade environments.


Oracle Internet Directory is fully integrated with the Oracle Fusion technology stack. It delivers superior ease of use through Oracle Directory Services Manager and enterprise manageability through Oracle Fusion Middleware Control.

Oracle Internet Directory delivers maximum availability with several layers of high availability, including support for multimaster replication, Oracle Real Application Clusters (Oracle RAC), and Oracle Internet Directory Clusters. Oracle Internet Directory ensures security at every level, from data in transit to storage and backups. In addition to LDAP security, it leverages Oracle Database security features such as Oracle Database Vault and Oracle Transparent Data Encryption. Oracle Internet Directory scales to extremely large deployments on less hardware with high performance, as demonstrated by its published Two-Billion-Entry Benchmark.

**Oracle Virtual Directory**

Oracle Virtual Directory is the industry-leading and most deployed virtual directory server. Oracle Virtual Directory is not LDAP storage but rather an identity virtualization service. It unifies identity in real time without consolidating and reuses identity data without copying.

Due to the proliferation of identity stores and the fact that full consolidation is costly and impractical for regulatory, political, and technical reasons, a virtual directory becomes a must-have component of the enterprise identity management infrastructure.

Oracle Virtual Directory enables a single standard interface for identity data no matter where it resides, because it provides a unified view of the data from multiple datasources. It provides an LDAP interface to non-LDAP datasources such as databases and Web services. In addition to virtually unifying the underlying identity data, Oracle Virtual Directory can transform underlying data for applications. Furthermore, with application-specific views, different applications accessing the same Oracle Virtual Directory can appear to be accessing a completely different data schema, structure, attribute name, and values.

Oracle Virtual Directory is very easy to deploy. Its high performance is proven by carrier deployment as a network component. Given Oracle Virtual Directory’s stateless nature, it is easy to scale deployment by adding more instances and achieve high availability by load balancing among them.

Like Oracle Internet Directory, Oracle Virtual Directory is fully integrated with the Oracle Fusion technology stack. It delivers superior ease of use through Oracle Directory Services Manager and enterprise manageability through Oracle Fusion Middleware Control.
Put Them All Together

Based on your enterprise needs, you may decide to deploy one, two, or more components at the same time or expand the deployment over time. They are integrated so that Oracle Unified Directory, Oracle Directory Server Enterprise Edition and Oracle Internet Directory can synchronize with each other, and Oracle Virtual Directory can build a unified view from Oracle Unified Directory, Oracle Directory Server Enterprise Edition and Oracle Internet Directory as well as from other datasources.

The recommended approach to address the challenges outlined is to first build a standard identity data access layer using Oracle Virtual Directory, decoupling applications from back-end identity stores. The decoupling will enable further identity repository consolidations as applications are isolated from the change in the back end. Oracle Unified Directory, Oracle Directory Server Enterprise Edition and Oracle Internet Directory are highly scalable and available with metadirectory capability, making them ideal solutions for identity data consolidation and synchronization.

Benefits

Oracle Directory Services Plus provides complete directory server, virtual directory, and metadirectory capabilities through a single integrated package. Oracle Directory Services Plus addresses business challenges and delivers the following benefits:

- **Industry-leading scalability and availability.** Oracle Directory Services Plus provides superior scalability and performance; can handle billions of entries.

- **Innovative Directory Integration.** Oracle Identity Management 11g leads the way in directory services with new deployment accelerators; unified Web-based administration and monitoring consoles; end-to-end auditing; and enhanced, multilevel system security.

- **Lower total cost of operation.** This is a complete set of solutions, with a single point of contact for support, a single license contract, and the backing of the world’s largest enterprise software company.

Contact Us

For more information about Oracle Directory Services Plus, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.