



RADIANTONE

RADIANTONE VDS

Virtual Directory Server

The Virtualization Solution for User Directory Integration

How do you create a single logical source for all your authentication and authorization requirements?

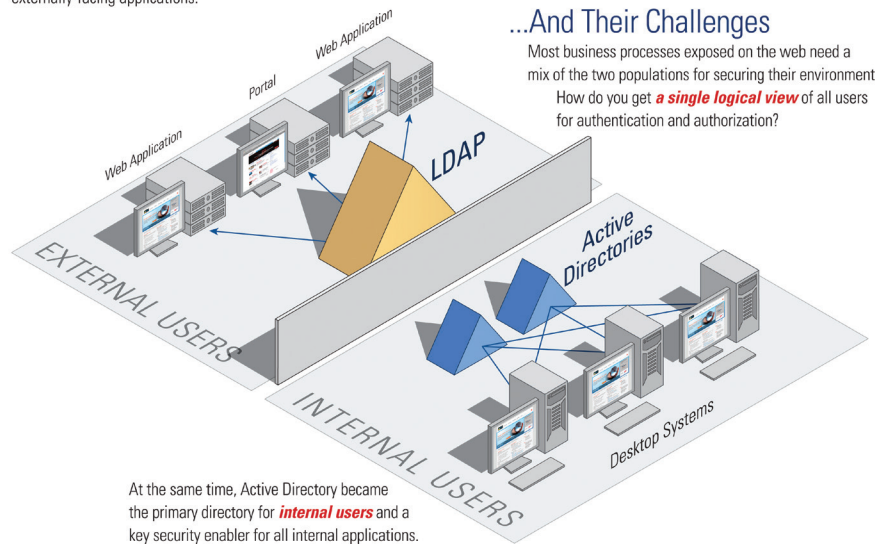
Historically user directories have evolved independently. Some, like Active Directory (AD), focus primarily on internal network functions. Others, such as SUN Directory Server, focus on externally facing applications for large user-populations (i.e. customers). Each user directory tends to have its own focus, resulting in disparate protocols, schemas, and structures. Integrating these disparate systems is a difficult and challenging undertaking.

Virtualize all user directories into a single LDAP source.

RadiantOne VDS proxy edition offers a cost effective and easy to deploy solution

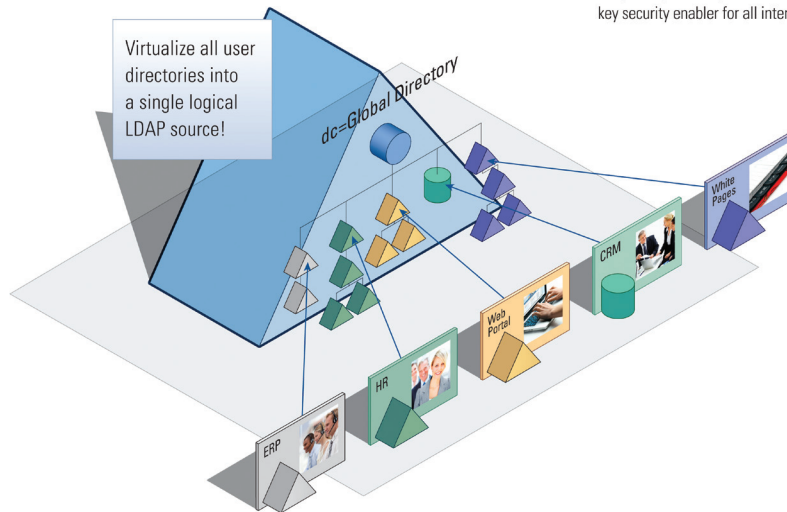
Two Directory Infrastructures

As business moved to the web, an identity infrastructure was built on standard LDAP directories such as Sun. These directories serve as a repository for **external users**. Along with Web Access Management solutions, they are key for authentication and authorization for externally-facing applications.



At the same time, Active Directory became the primary directory for **internal users** and a key security enabler for all internal applications.

Solution



for directory integration. There is no longer the need for heavy synchronization and custom coding. VDS proxy edition is a non-intrusive solution to your identity integration requirements. It leverages your existing data sources to enable a flexible directory infrastructure to meet your security requirements for today and the future.

Use Cases	Key Capabilities	Deployment Environment
Integrating Active Directory and Sun Directory infrastructures	Consolidate Multiple Directories (and forests) into a common namespace	Primarily directories
Web Access Management Policy Store	Map disparate systems to a common schema	Sources are of high-availability
Web Single Sign On	Join objects and attributes across heterogeneous sources	Current data structures are compatible with your initiative requirements
Role Based / Fine Grained Authorization		
Centralized Authentication		



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PRODUCT: VIRTUAL DIRECTORY SERVER

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Features

VDS Design and Admin Console:

- ▲ Wizards allow for easy deployment of all identity and access management tasks
- ▲ Design views for Web Access Management
- ▲ Map Active Directory objects and attributes to emulate Sun Directory Server
- ▲ Aggregate Active Directory forests

Remote Admin Console:

- ▲ Manage multiple servers through a single web-based interface
- ▲ Access and administer all VDS functions remotely
- ▲ Monitor VDS operations and backend sources

Access and Audit Logging:

- ▲ VDS logging options allow you to log any and all VDS operations
- ▲ Log2DB enables true audit capabilities, easy to create charts and reports

LDAP Access Router and Local Store:

- ▲ RadiantOne Access Router enables advanced load-balancing, fail-over, and monitoring options for added scalability and performance
- ▲ LDAP v.3 compliant local store can be used for storing attributes for profile extension to full replication of other LDAP stores

Monitoring:

- ▲ Monitor the status of VDS or connected back-end sources through monitoring tools, built into the VDS Admin Console and RadiantOne Access Router.
- ▲ Service alerts are emailed to administrators of any change of status of VDS or backend sources.

Delegated VDS administration accounts:

Based on roles, admin accounts can be assigned by:

- ▲ Namespace Administration
- ▲ Bulk Operations
- ▲ Schema Administration
- ▲ ACI Administration.

This flexibility combined with the Remote Admin Console and Monitoring features means increased service levels.

Benefits

Leverage existing identity information from directories:

With RadiantOne, your enterprises can use identity data in existing directories and databases without modification. This allows you to avoid complicated political and data stewardship issues by leveraging your available data instead of having to recreate the identity in yet another disparate data source.

Speed deployment

Using virtualization, you use information from traditional, inflexible data sources in a flexible layer that allows you to format data for specific application requirements. Graphically based tools for design, testing, and simulation are quick and easy to use in aiding an accurate and speedy deployment process.

Flexible and lightweight trust management

Managing trust in a non-intrusive manner can be elusive in complex environments. VDS gives you an easy way to easily define trust across multiple directory systems, directory forests, domain controllers, and security domains without affecting existing directory operations. You can now federate Active Directory domains without affecting your current infrastructure.

Reduce costs

Traditional integration methods tend to be hard-coded and tightly coupled. This means a lot of repetitious work and slower deployment times due to complicated change management. With RadiantOne, your enterprise can avoid these traditional pitfalls to integration. Virtualization cuts down on cost and development time, leading to a faster return on investment for current and future identity initiatives.

Support multiple initiatives

RadiantOne VDS delivers different views of your identities to different applications. RadiantOne's flexibility makes it available to address a broad range of identity initiatives, allowing you to add and expand into future initiatives on an as-needed basis. Whether you need to solve a specific identity challenge or implement a complete identity strategy, RadiantOne is the right foundation.

Adapt quickly to new requirements

With RadiantOne VDS, you can easily reconfigure views to meet new requirements rather than implement complex and heavy synchronization and re-programming your existing infrastructure.



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Key Capabilities

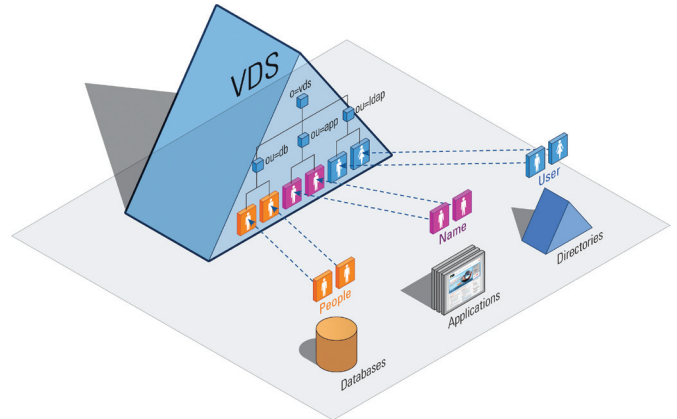
Aggregate

Enterprises deal with a variety of user directory silos:

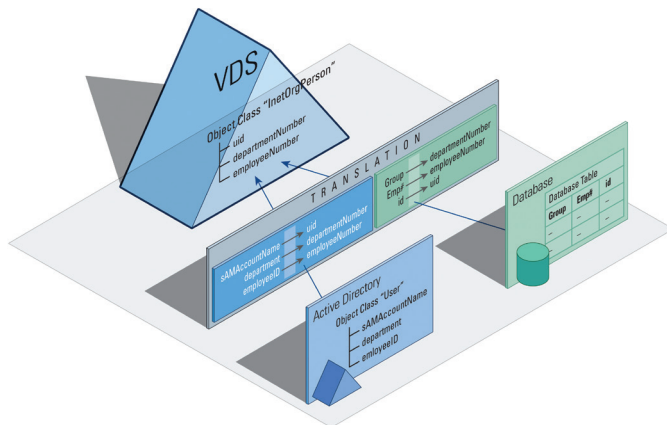
- ▲ Directories such as Active Directory, eDirectory, Sun Directory Server
- ▲ Databases such as Oracle, SQLServer and DB2

The problem is that most web access management packages expect a single authoritative directory for authentication and/or authorization. RadiantOne VDS solves this problem by mapping all identity data into a common namespace, which can be accessed by any application.

VDS Aggregates Existing User Repositories



Object Attribute Mapping



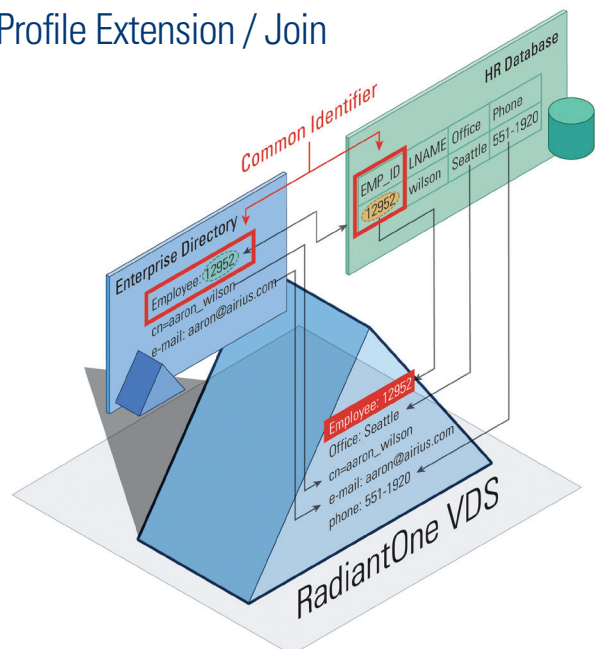
Map

Disparate systems mean disparate schemas and different objectclasses. VDS enables cross-application search of heterogeneous sources by mapping all objects and attributes to a common representation. Different views of the same data can be built as needed to accommodate new applications without synchronization or disruption of current sources or integration points.

Profile Extension / Join

Authorization relies on a complete profile of users, including distributed attributes and group membership information for proper entitlement and security enforcement. Unfortunately, traditional directory deployments require administrators to recreate this information in another user repository, or custom code a solution that is hard-coded and unable to keep up with the ever-changing environment of most enterprises. RadiantOne VDS solves this problem by using virtualization to extend identities using dynamic joins for real-time identity integration, and group migration to merge existing groups.

Profile Extension / Join





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Specifications

System Requirements and Platform Support

Operating System Environments

Windows 2000, 2003 and 2008
Sun Solaris™ 8, 9 or 10 (Sparc and x86)
Red Hat Enterprise Linux v3+
CentOS v5.3
SUSE Linux Enterprise v10
IBM AIX 4.3 or later
Hewlett Packard HP/UX 11.00
Hewlett Packard NonStop Kernel release of G06.00

Java Runtime Environment

JRE 1.6

Supported Application Server/JMS

Glassfish Application Server v2.1/Open Message Queue

Disk and Memory

Memory: 3 GB (minimum)
Disk Space: 5 GB (minimum)
CPU: Intel Pentium 2.4GHz or AMD Opteron or equivalent
(minimum)

Connectivity

Client Access Protocols

LDAP v3, SQL (JDBC/ODBC), Web Services via DSML,
SPML, SAML, SOAP
Directory Servers
Microsoft Active Directory 2000, 2003 and 2008
Active Directory Lightweight Directory Service (AD-LDS)
Active Directory Application Mode (ADAM)
SunONE Directory Server 4.x, 5.x
IBM Directory Server 5+
Novell eDirectory v8+
Lotus Notes/Domino
Oracle Internet Directory v9 & v10
CA Directory r12.x
Any LDAP v3 Service

Applications

PeopleSoft v8
SAP
Siebel v7.5
Oracle Financials v12
J2EE Connector Architecture
Salesforce
Google Applications

Other

Web Services
RACF
ACF2
Top Secret
Microsoft NT Domain

Databases

Oracle 8i, 9i, and 10g, 11g
Microsoft SQL Server v7, v2000, v2005 and v2008
IBM DB2 (UDB) v7+
Sybase v12 and 12.5
Any JDBC/ODBC-accessible database