

RADIANT LOGIC, Inc.

Virtual Directory Server - Context Edition

The Virtualization Solution for Identity and Context Integration

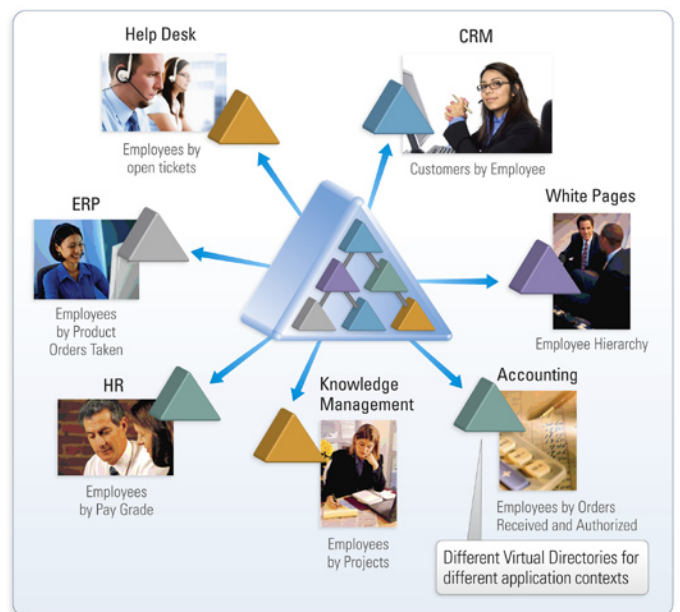
How do you solve the challenges of identity integration?

Achieving the full benefits of web access management, identity management, service provisioning and portal deployments have been elusive for many enterprises due to the complexity of the identity integration effort.

- ▲ How do you integrate identities from scores of user directories, databases, and applications?
- ▲ How can you leverage your existing data sources without disrupting current integration points?
- ▲ How can you deliver different identity and resource views needed by security, provisioning, profile management, and portal applications?

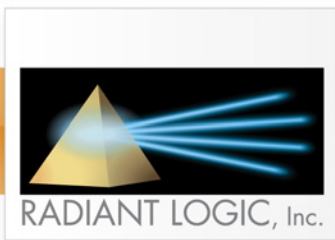
Build a common identity infrastructure based on virtualization that leverages your existing data sources!

RadiantOne's virtualization technology enables you to leverage your existing data sources. Design and deliver different views to your Identity Management initiatives based on their security or application context. Provide a common identity service using standard protocols such as LDAP, SQL, and Web Services.



The different modules inside VDS Context Edition work together to provide you a full-spectrum solution

CHARACTERISTICS	TYPICAL USE CASES	DEPLOYMENT OPTIONS
Flexible Multi-Protocols Emulation	Applications see the VDS as a directory, a SQL database or a Web Services	Deliver identity and contextual information as an LDAP server, SQL server, or as a Web Service
Integrated and Secure Identity Integration Proxy Authentication	Integrate user and resource profiles across multiple heterogeneous sources (LDAP, SQL, Web Services, and Applications) Enable authentication across different security domains using their specific credential checking methods	Aggregation, Integration, and/or Correlation
Complete Data Model Distributed Join Sophisticated Security Model	Build different hierarchies and contextual views of identities to satisfy the requirements of your applications: "Delegated Administration", "Role Management", "complete identity profiles for fine-grained Authorization" Aggregate and Integrate groups and roles across different trust systems	Proxy or Model Views
High Performance Persistent Cache Event-Driven Cache Refresh	Provide high-performance search of materialized hierarchical views across multiple databases.	Dynamic Access, Memory or Persistent Cache



Features

Context Builder

- ▲ Manages schema definitions and creates data model views that enables users to build federated tree structures that span multiple data sources
- ▲ Extracts metadata (structure, formats, and relationships) from existing data sources and maps attributes and data structures into a common schema.
- ▲ Builds virtual views (DITs) and hierarchies, based on your design, that reflect existing relationships

Admin Console

- ▲ Wizards allow for easy deployment of all identity and access management tasks.
- ▲ Delegate VDS administrative rights based on roles
- ▲ Monitor VDS and back-end sources availability and status
- ▲ Enable service alerts

Remote Admin Console

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

Persistent Cache

- ▲ Get guaranteed performance regardless of the nature and performance of the underlying source
- ▲ Real-time cache refresh based on event detection
- ▲ Perform complex joins across multiple sources without sacrificing performance.
- ▲ Faster recovery than with “memory-only” cache

Access and Audit Logging:

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

Benefits

Leverage existing identity information

With RadiantOne virtualization, your enterprises can use identity data in existing directories, databases, applications, and web services, 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.

Reduce costs

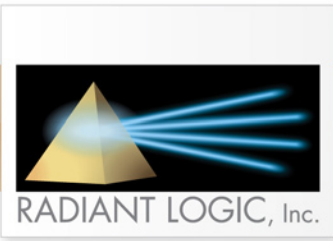
Traditional integration methods tend to be hard-coded and tightly coupled. This means a lot of repetitious work and slower deployment times due to complicated change management. With RadiantOne, your enterprise can avoid these traditional pitfalls to integration. Virtualization cuts down on cost and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

Higher-Performance / Higher Availability

Design and deploy hierarchal materialized views with the highest availability, highest performance, and lowest latency in the industry, even in the face of very complex joins and the most disparate of environments.

A full-spectrum solution for identity & context integration

RadiantOne VDS is the key enabler for your Identity Management. It delivers a complete identity service based on virtualization which can be linked “contextually” to any resources for authentication, authorization, audit, and profile management.



Key Capabilities

Identity Integration

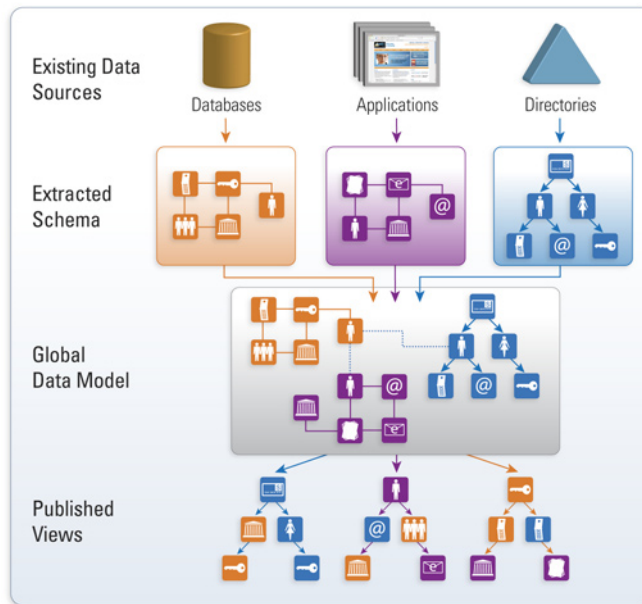
Integrate identity profiles from across heterogeneous sources into a common data model to easily publish views, customized to your business requirements.

Data Model: Create multiple views/ Link Identity and Context

RadiantOne VDS context edition creates a model by reverse engineering your existing data silos. The model exposes identities, resources and their relationships. Leveraging the common data model, you can create multiple views of your identity infrastructure.

Context Management

VDS's patented technology supports a semantic tagging which translates your data into English sentences. Identities and their relationships to resources are translated into their respective contexts. The end result? Data becomes information that can be fully interpreted at the business level. This unique capability is a key enabler to a comprehensive deployment of security and authorization policy.

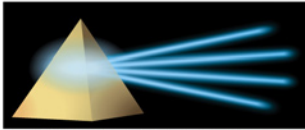


Caching Options

VDS context edition has a choice of caching options based on your deployment requirements and environment. Entries, queries, or modeled views can be cached for high performance and high-availability. The persistence of data modeled views (materialized hierarchical views) means query performance is no longer constrained by complex joins and searches across multiple data sources.

Event-Driven Cache Refresh

VDS's event-driven cache refresh technology means low latency and near-real-time cache updates. Since VDS context edition understands and manages object relationships, it propagates the right event to the right contextual view.



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Specifications

System Requirements and Platform Support

Operating System Environments

Windows 2000, 2003 and 2008
 Sun Solaris 8, 9 and 10 (Sparc and x86)
 Red Hat Linux (Kernel 2.2.x or later)
 Red Hat Enterprise Edition v2.1, v3, v4 and v5
 IBM AIX 4.3 or later
 Hewlett Packard HP/UX 11.00
 Hewlett Packard NonStop Kernel release of G06.00

Disk and Memory

Memory: 1GB (minimum)
 Disk Space: 750 MB (minimum)
 CPU: Intel Pentium 2.4GHz or equivalent (minimum)

Java Runtime Environment

JRE 1.6

Supported Java Messaging Services

SunONE Message Queue v3.x or later
 SonicMQ v4.x and v5.x or later
 IBM MQSeries v5.x or later
 BEA WebLogic v6, v7, v8, v9 and v10
 Tibco v4.3
 ActiveMQ v2.0
 WebMethods v7.1

Connectivity

Client Access Protocols

LDAP v3, SQL, 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

Databases

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

Applications

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

Other

Web Services
 RACF
 ACF2
 Top Secret
 Microsoft NT Domain

Custom

Universal XML-based Connector Builder SDK
 Web Services