

ORACLE® INTEGRATIONS

Vordel is a strategic technology partner for Oracle. Vordel Application Gateway is a key component of the Oracle Fusion Middleware reference architecture. Vordel has worked closely with Oracle to offer the most complete and robust integrations to:

- Oracle SOA Governance
- Oracle SOA Suite
- Oracle Identity and Access Management Suite
- Oracle Enterprise Manager
- Oracle Applications
- Oracle Database
- Oracle Enterprise Linux, Solaris, and VM
- Oracle hardware

This extensive integration portfolio from Vordel enables Oracle customers to:

- Rapidly enhance Oracle SOA, Identity Management and Applications by adding the Vordel Gateway
- Easily monitor and manage Vordel Application Gateway with Oracle technologies together
- Simply integrate Oracle technologies to other vendor technologies on-premise or in the Cloud

Oracle Service Oriented Architecture

Vordel Application Gateway works seamlessly with Oracle SOA products. The Gateway also serves as the bridge between Oracle SOA and Oracle Identity Management product suites.

Oracle SOA Governance

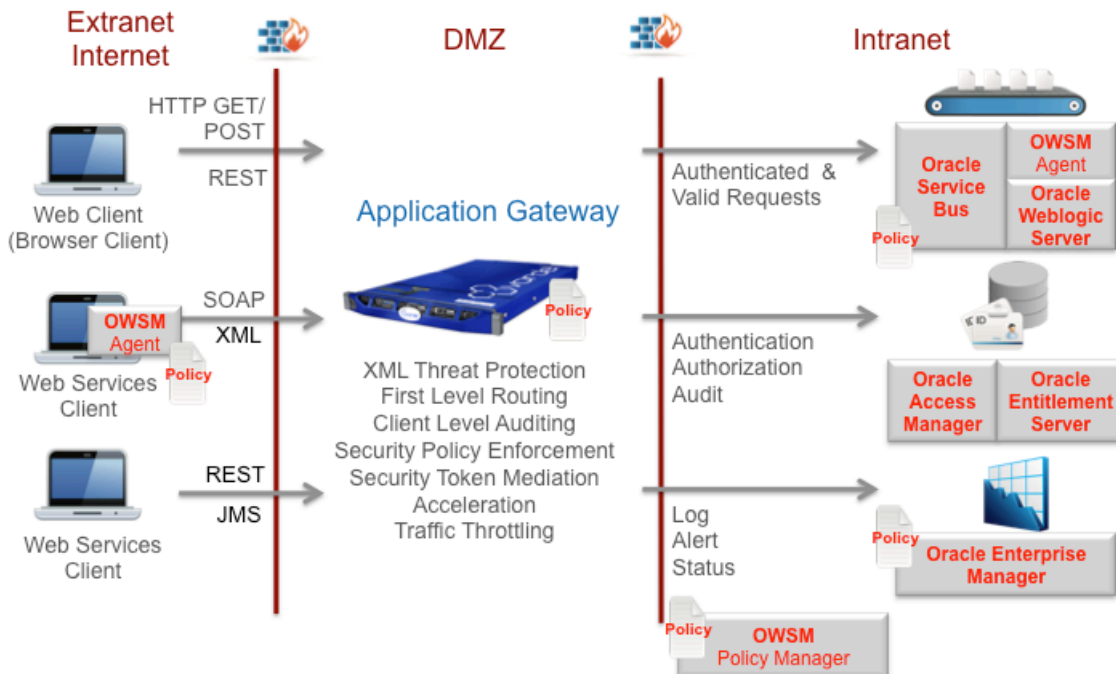
Vordel Application Gateway integrates with Oracle SOA Governance products to provide end-to-end SOA governance for web services on-premises and in the Cloud.

- **Web Services Manager (OWSM)** – Vordel Application Gateway and OWSM Agents combine to deliver end-to-end web services security. Vordel supports the WS-SecurityPolicy with Oracle Extension used by OWSM, so OWSM and Vordel can share the same centrally managed policy set for ease of administration and strong governance.
- **Service Registry (OSR)** – Vordel discovers and publishes web services to the UDDI v3 compliant OSR.
- **Enterprise Repository (OER)** – Vordel contributes and looks up SOA service and endpoint metadata to/from OER.

Oracle SOA Suite

Vordel Application Gateway provides acceleration, security, and identity management integration for Oracle SOA Suite products.

- **Service Bus (OSB)** – Vordel offloads CPU intensive XML processing and security tasks from OSB to maximize system throughput and performance. The Gateway is also an XML firewall that protects OSB from message level threats. The Gateway also performs quote management, traffic throttling, and client/attribute based routing in front of OSB.
- **BPEL Process Manager (OBPM)** – Vordel secures web services traffic to and from OBPM.
- **Business Activity Monitor (OBAM)** – Vordel publishes configurable events to OBAM for integrated real-time dashboards and event monitoring.



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Oracle Identity & Access Management

Vordel Application Gateway adds DMZ and transaction level security capabilities to complement Oracle's identity and access management products.

Oracle Access Management Suite

Vordel Application Gateway serves as a Policy Enforcement Point (PEP) for authentication, authorization, and audit, with Oracle Access Management products as Policy Decision Points (PDP). Vordel provides a secured DMZ-grade PEP for all Oracle access management products.

- **Access Manager (OAM)** – Vordel authenticates Web Service clients and users against OAM, enabling unified user and transaction security using OAM. Vordel is natively integrated with OAM SDK for best performance and version compatibility. OAM 11g AccessGate can natively run on the Vordel Application Gateway for highest possible performance. The Gateway can also cache token sessions to remove further latency.
- **Adaptive Access Manager (OAAM)** – Vordel enforces OAAM's multi-factor authentication and adaptive access policies to prevent fraud in real-time.
- **Entitlements Server (OES)** – Vordel makes it simple to use OES to protect any service or web asset with fine-grained authorization policies. Vordel integrates with OES proprietary policy through the OES SDK.

Oracle Directory Services

It does not matter what combination of Oracle directory products you use, Vordel supports them all to enable quick deployment and upgrade against existing user repositories.

Oracle Enterprise Manager

Vordel Application Gateway publishes service status, alerts, metrics, and other logging information to Oracle Enterprise Manager (OEM), or the Gateway can be monitored directly from the OEM console along with the other Oracle products. Vordel Application Gateway can also share policies with OWSM using Oracle's Extended WS-SecurityPolicy format. Policy is managed in OEM's policy module. Vordel's OEM integration enables truly a single point of visibility and control.

Oracle Operating Systems & VM

- **Operating Systems** - Vordel Application Gateway is certified on Oracle Enterprise Linux and Solaris SPARC, as part of Vordel's broad range of certified OS support and available form factors.
- **VM** – Vordel Application Gateway is certified on Oracle VM.

Oracle Applications

Vordel Application Gateway provides API management, API security, API monitoring and audit for Oracle Applications, whether it is E-Business Suite Web Service or Siebel RESTful API. Vordel Application Gateway ensures that the API performance meets the service level agreement, the API is secured with Oracle or other leading identity management platforms, and the API has full usage audit to meet governance and compliance requirements.

Oracle Database

Vordel's Reporter module is certified to use Oracle Database as a repository for reporting data. The Gateway can also send log and alert information into any designated Oracle Database repository.

Oracle Hardware

Oracle publishes recommended hardware configurations for the Gateway. Search "Oracle Enterprise Gateway" on www.oracle.com for the latest specifications.

Oracle Integration Summary

Vordel is continuously expanding its integration with Oracle software and hardware. Check <http://www.vordel.com/oracle/> for the latest.

Identity Management	Certification
Access Manager	10g, 11g
Entitlement Server	10g, 11g*
Adaptive Access Manager	11g*
Internet Directory	11g
Virtual Directory	11g
Directory Server EE	11g
Unified Directory	11g*

* Certification in progress

SOA & Enterprise Manager	Certification
Service Bus	11g
Service Registry	11g
Enterprise Repository	11g*
Business Activity Monitoring	11g*
Web Services Manager	11g
Enterprise Manager	11g

* Certification in progress

Infrastructure	Certification
Enterprise Linux	Yes
Solaris SPARC	Yes
VM	Yes

* Certification in progress

