

VORDEL API GATEWAY

Social networking, mobile computing and Cloud computing are creating new channels for enterprises to generate sales, reach customers, and lower the cost of delivering goods and services. Retailers have new selling channels on Facebook, Amazon, and eBay. Telecommunication companies let customers buy new services in the store, on the web, on TV, and through iPhone apps. FedEx and UPS let you track packages from retailer websites, via mobile apps, or from Google search results. To enable these new marketing, selling, fulfillment, and service channels, enterprises need to expose data and functions from core enterprise applications as APIs. With Vordel API Gateway, enterprises can expose web and mobile-friendly APIs beyond the network perimeter, so business units, partners, and customers can interact and transact across multiple channels and mediums.

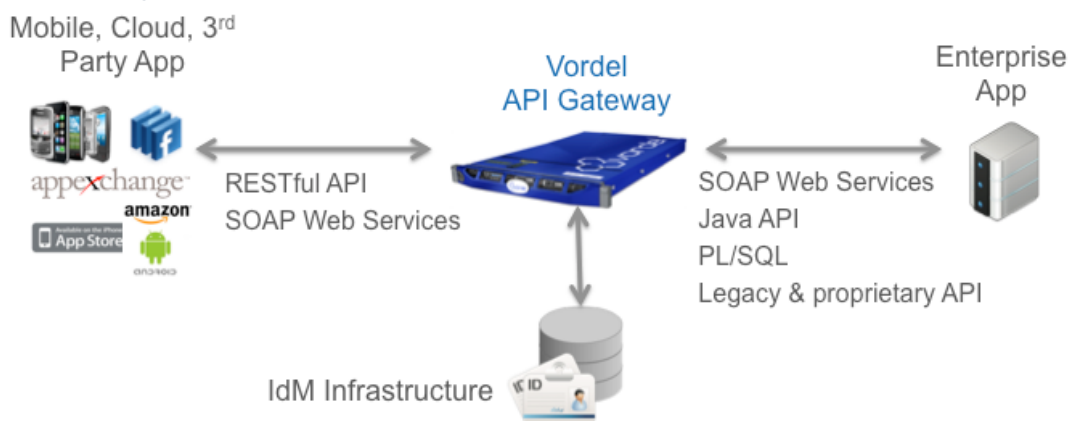
Are Your Enterprise Applications API Enabled?

Most commercial and custom enterprise applications were created and deployed before the dawn of iPad, Facebook, and Cloud. These applications do not have the proper interface to securely share data and functionality beyond the network perimeter. If REST and Web Service interfaces do exist, they often lack the security and audit capabilities necessary to support external facing deployment. Upgrading or rewriting enterprise applications is expensive both in time and money. In the mean time, up-start competitors equipped with the latest technologies are winning business and creating buzz.

API Enable Your Applications With Vordel Today

Adding Vordel Application Gateway in front of your enterprise application provides you instant web and mobile enabled APIs with strong security and rigorous auditing. Vordel's solution is non-intrusive, thus requiring no upgrade or rewrite of your existing application and IT infrastructure.

Vordel API Gateway Solution



Feature Highlights

Fortune 5,000 enterprises and government agencies around the world rely on Vordel to provide secure and compliant API Gateway solutions for their enterprise applications.

API Management

Translate existing interfaces to web and mobile ready APIs.

- Protocol translation, e.g. REST, SOAP, JSON, Java API
- Create mash-up API
- API versioning and lifecycle management
- API and port virtualization
- Maintain API backward compatibility
- Standardize API across different application versions

API Governance

Monitor, log, and audit usage of API against policies

- API usage tracking and analysis across all entry points
- Client level access logging
- Enforce different policies for different APIs and versions of the same API
- Before-and-after change logging
- Automated report delivery

API Security

Secure API from threats and integrate with security infrastructure.

- Authenticate and single sign-on with integration to access management infrastructure
- Control API access using fine grained authorization engine
- Scan and prevent API and message level attacks
- Real-time detection and prevention of data harvesting

API Performance & Quality

Monitor and accelerate API performance

- Cache frequently used data to minimize repetitive calls
- Offload XML processing and security tasks
- Quality and performance monitoring
- Service level agreement (SLA) monitoring and enforcement
- Trigger alert for service outage or failure to meet SLA

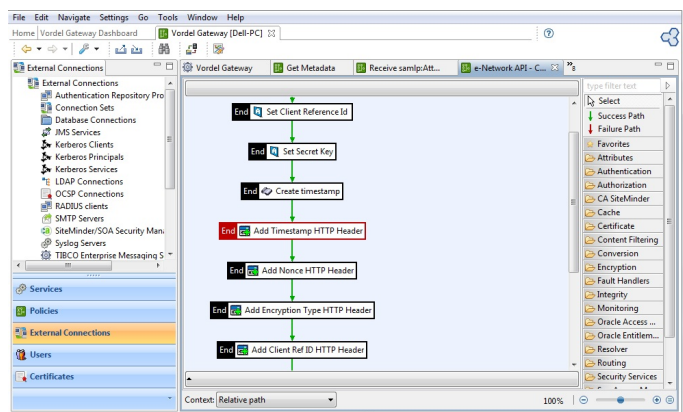
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Provide Web & Mobile Enabled Interface

New web applications and mobile applications favor light-weight REST API with JSON. REST API is easy to use and is compatible with bandwidth and CPU constrained mobile platforms. Vordel API Gateway transforms more commonly found SOAP based Web Services, Java API, JMS and proprietary interfaces to REST style API.

API Management and Versioning

Create different APIs or API versions for different API consumers can greatly increase API adoption to drive additional revenue and channel efficiency. Tailored APIs can also simplify usage to reduce cost of support and audit. Vordel API Gateway makes it simple to virtualize and version new APIs through drag-and-link configuration, without impacting the enterprise application



Drag-and-Link API Creation

Secure API Access With Identity Management

API is one of the primary ways to access enterprise data and transact, often accounting for over 50% of enterprise application usage. Vordel API Gateway serves as a policy enforcement point to authenticate API clients and users against enterprise access management platform. Vordel adds additional capabilities like security token mediation for single sign-on and identity federation. Vordel API Gateway also simplifies the task of leveraging fine-grain authorization tools to control access to custom user interfaces. Vordel offers out-of-the-box integration with all the leading identity management platforms.

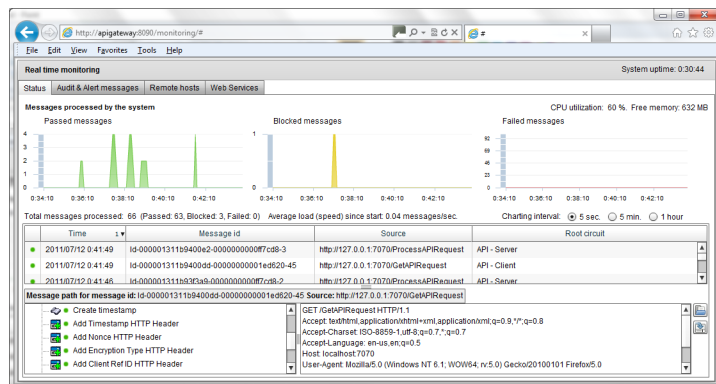


Protect API From Threats and Theft

Network security appliances do not protect against API and message level attacks. Simply sending a large XML payload to an unprotected API can bring an application to its knees, resulting in a denial-of-service attack. Automated data harvesting tools can use unprotected APIs to look up customer information in large batches. Vordel Application Gateway can detect and stop API requests with harmful content such as XPATH and SQL injections, virus and executables, excessively large payloads, and other common attack mechanisms. By monitoring API usage, Vordel can also detect suspicious data harvesting activities involving high-frequency access of sensitive data.

Comprehensive Usage Audit

Today's enterprise applications must interface with different types of access points. New web applications and mobile application favor RESTful API. Third party enterprise applications and B2B servers largely reply on SOAP based Web Services, SFTP, XML, and legacy protocols like EDI and AS2/3/4. Graphic user interfaces and Microsoft Office integrations likely use Java or .NET interfaces. Vordel API Gateway can audit and report on usage across all entry points to create a comprehensive report to meet operational and compliance requirements.



Comprehensive API Auditing & Monitoring

Improve API Performance

Vordel API Gateway accelerates API performance in a number of ways. By simply offloading CPU intensive tasks from the application server, API performance can be improved with no upgrade to backend application resources. Common CPU intensive tasks include XML parsing, schema validation, encryption, and signing. Repetitive data query can make up a large portion of API traffic. Vordel API Gateway caches responses to high-frequency queries to reduce the traffic going to the application server and databases.

