

# VORDEL SOLUTIONS OVERVIEW

Vordel Application Gateway is used by Global Fortune 5000 organizations and government agencies to solve many application integration, security, control, and acceleration challenges. Leading organizations select Vordel technology for their mission critical systems where, performance, scalability, availability, and security are paramount to ensure no disruption to revenue and operations.



## ACCESS GATEWAY

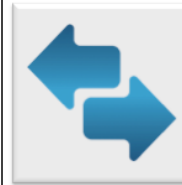
Authenticate, authorize, audit, & regulate access from external applications. Integrate with enterprise identity & SOA platforms to ensure consistency of policy.

### Key Features

- Authentication
  - WS-Username, SAML, X.509, Kerberos, and proprietary tokens
  - Single sign-on and multi-factor authentication
- Authorization
  - LDAP Group
  - Fine grained entitlements and XACML
  - OAuth
- Audit and logging
- Client & attribute based routing
- Service virtualization
- Service level agreement enforcement & throttling
- Unified web & transaction security
- Integration with leading identity management & SOA security technologies

### Benefits

- Single policy enforcement point for security & operations
- Simplified integration with enterprise security infrastructure
- Unified security & operational policies for web & transaction



## API GATEWAY

Extend new and legacy enterprise application APIs to support mobile, Cloud, & third party applications with full compliment of security, control, & auditability.

### Key Features

- API management
  - Protocol translation: REST, SOAP, JSON, Java API, etc.
  - API versioning and lifecycle management
  - Service virtualization, versioning, and routing
- Usage analysis and service level reporting
- Metering & throttling
- Security
  - API key management
  - Encryption
  - Authentication, single sign-on, and federation
  - Authorization, including OAuth and XACML
  - Compliance and operational audit
  - Integrated with identity management platforms

### Benefits

- Enable new revenue channels, mobile apps, & Cloud solutions
- Enable partner & customer self-service with rich interaction
- No expensive upgrade and rewrite of legacy applications



## CLOUD GATEWAY

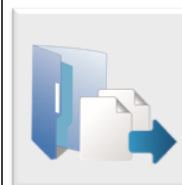
Effectively secure, manage, monitor, and audit Cloud service usage. Leverage Cloud services without compromising security and relinquishing control.

### Key Features

- API key management
- Single sign-on and access control
- Data encryption & filtering
- Service level agreement & connection monitoring
- Multi-source provider routing
- Usage reporting & analysis
- Secure integration of Cloud services to enterprise applications
- API/service virtualization
- API/service security and audit
- XML threat protection
- Data format mediation
- Encryption and filtering

### Benefits

- Extend enterprise security policies to Cloud based services
- Securely integrate Cloud services to enterprise applications
- Independently audit and enforce service level agreements



## B2B GATEWAY

Enable secured exchange of sensitive data with business partners across different security domains.

### Key Features

- Message security
  - Threat scanning
  - Encryption
  - Validation & signing
  - SSL operations
- Logging, monitoring & reporting
- High performance for even very large (GB) messages
- Message automation
  - Routing based on partner profile, agreement, document type, process, system
  - Message enrichment
  - Acceleration & caching
  - Protocol mediation
  - AS2, ebXML, binary, custom

### Benefits

- Enhance security and performance of existing B2B servers
- Meet audit and compliance requirements
- Flexibility to integrate with multiple protocols across partners

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## APPLICATION FIREWALL

Protect applications and enterprise service bus from attacks across Web, SOA, mobile, and Cloud interfaces.

### Key Features

- Threats blocked
- SQL & XPATH injections
- Cross-site scripting
- SOAP attachments (virus & executable)
- XML structural, XML content, DTD based attacks
- XML bombs, Denial-of-Service
- REST parameter attacks
- Schema validation
- Data encryption & tokenization
- Hardware Security Module (HSM) support
- PKI management
- Integrated with virus databases

### Benefits

- Comprehensive protection across all application interfaces
- Offload security tasks from service bus & application server
- Simplify integration with identity management platform



## SECURITY TOKEN SERVICE

Securely share data and function across security domains through identity federation and security token mediation.

### Key Features

- Broker trust relationships between clients & services
- WS-Trust & WS-Federation standards
- PKI management
- Exchange different token types, including:
  - X.509, Kerberos, SAML, and proprietary tokens
- Handle token issuance, renew, and validation
- Cache credentials
- Integrated with leading identity management platforms, including:
  - CA, Entrust, IBM, Microsoft, Novell, Oracle, RSA, Sun... etc.

### Benefits

- Avoid building and maintaining point-to-point integrations
- Improve security & flexibility by virtualizing identity endpoints
- Avoid upgrading legacy systems to support identity federation



## XML ACCELERATOR

Improve performance, throughput, and security of XML applications and SOA infrastructure in the most cost effective manner.

### Key Features

- Parsing
- Schema validation
- Transformation
- Signing
- Encryption & decryption
- Hardware Security Module (HSM) support
- Caching
- Traffic throttling
- Traffic smoothing
- SSL termination & operations
- Content based routing
- Service virtualization

### Benefits

- Most economical way to accelerate app & SOA performance
- Improve response time, increase throughput, reduce latency
- Integrated security capabilities further simplify deployment



## CLIENT CONNECT

Simple plug-and-play, secured integration for business customers and partners to access enterprise applications or Cloud services.

### Key Features

- Preconfigured to work with provider-side Gateway
- Connectivity
- Encryption & signing
- WS-Trust Relationship
- Single sign-on
- Security token mediation
- Policy coordination
- Key management
- Offload tasks from provider side to Client Gateway
- End-to-end security
- Integration to client-side identity management platforms

### Benefits

- Reduce customer and partner on-boarding and support efforts
- Enforce policy compliance to partner eco-system
- Fast & secure organizational integration within the enterprise

## About Vordel

Vordel delivers fast, safe, connectivity for SOA and Cloud Services. Vordel Application Gateway provides integration, security, governance, and acceleration for enterprise applications and Cloud based services. Vordel Application Gateway enables Fortune 5000 enterprises and government agencies to extend their enterprise applications and SOA infrastructure beyond the perimeter to enable Cloud based services and mobile computing. Vordel makes it possible to deliver and consume "Applications Anywhere" with IT's existing applications and infrastructure, without costly upgrades and rewrites.