

# Fast, Safe, Connectivity for the Cloud

Leverage your Amazon assets in a trusted & reliable way



## Overview

The Vordel Cloud Service Broker gives enterprises the confidence to adopt Amazon Web Services as part of their IT infrastructure. Vordel helps organizations overcome any concerns they may have related to entrusting sensitive data to a third party Cloud provider; concerns about the reliability of the services or indeed the Service provider themselves and the costs associated with integrating on-premises applications with cloud hosted services.

## Broker connections securely to and from the Cloud

Vordel Cloud Service Broker (CSB) brokers connections to and from the Cloud for the enterprise by mediating security tokens, protocols and data. The CSB handles the authentication and authorization of Cloud services requests; tracks Cloud service usage; monitors the operational aspects of the service and maintains an audit trail of all activity.

## Avoid death by a thousand lines of code

Using Vordel Cloud Service Broker an IT organization can remove the cost of having to code connections to the Cloud. Using the CSB's advanced library of adapters and innovative "drag 'n' join" policy studio, connections are built immediately for on-premises services (e.g. TIBCO EMS and Rendezvous, JMS, Databases, etc) and Cloud services, such as saving data in an Amazon S3 bucket, listening to an SQS queue or saving data into Amazon SimpleDB.

## Mediate Identity to the Cloud

Amazon advocates digital signatures, API keys and mutual SSL as the preferred identification technologies to securely access services. Using VCSB enterprises can instantly use a range of proven existing internal identity technologies (e.g. Kerberos for Windows, or access control products such as CA SiteMinder, Oracle Access Manager etc.) to bridge the connection from the on-premises up to the Cloud services, all the time governed under the umbrella of an identity management infrastructure.

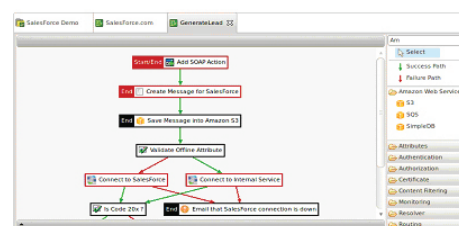
## Protect and Manage API Keys

Amazon provides API keys and certificates to enable access to Amazon Web Services. Enterprises need to guard API keys just as they do certificates and private keys, in order to prevent unauthorized or malicious use. Vordel Cloud Service Broker provides for secure storage of the Amazon API keys and uses them as part of API calls to Amazon Web Services.



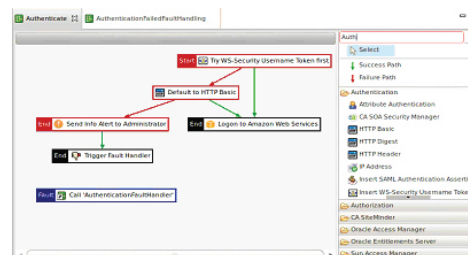
## Avoid death by a thousand lines of code

Innovative Drag and Drop Policy Creation Studio



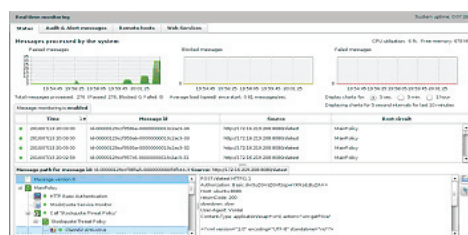
## Mediate Identities across Hybrid Clouds

Broker Identity Exchange with multitude of authentication options



## Monitoring Services in Real Time

Proactively detect problems and failure to comply with Service Level Agreements



## Control Cost of Using Cloud Services

Don't let your Cloud costs get out of control. Data transfer to cloud computing environments must be controlled, to avoid unwarranted usage levels and unanticipated bills from over usage of cloud services. Uncover "under the radar" usage by your organization of Web and Cloud services and ensure data should be only exchanged with trusted providers. By managing all access to Cloud Services via the Cloud Service Broker, companies can ensure that all costs are properly managed and controlled.

## Monitor Availability of Cloud Services

If your business reputation depends on the integrity and availability of your service, you need to be able to monitor your cloud provider's conformance with their SLA performance deliverables. The Service Broker monitors the connection to the Cloud Service using "Synthetic Transactions" to assess if the connection is slow or deficient, problems are logged and alerts are raised, letting you proactively detect problems and failure to comply with Service Level Agreements. The Cloud Service Broker will also consume alerts raised by external monitoring engines via RSS feeds or Twitter, providing a central place to monitor the Cloud Service Provider availability and health.

## Provide Secure Channel from Amazon to Your Enterprise

Deploying applications to the Cloud invariably involves opening access to data stored inside the enterprise. Vordel Cloud Service Broker is used to establish a secure and trusted communication channel between the Cloud and the enterprise.

## Why Choose Vordel

Vordel is routinely selected by telecoms carriers for a number of key reasons, chief amongst them being:

### Speeds deployment of new services

Businesses can concentrate on building the business logic into their services, while Vordel Cloud Service Broker provides the building blocks to securely connect to Cloud Services.

### Trust the Cloud

Be confident that your applications are protected and that only those users with the correct authorization levels are permitted access to them.

### Regulatory compliance

Determine and control what data stays inside the enterprise and what data is permitted into the public cloud infrastructure without infringing the Data Privacy laws applicable in different legal jurisdictions.

### Cost savings

Avoid costly coding with the out of the box identity mediation offered across local and cloud-based authentication models.

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