

# Putting Identity at the heart of your SOA

Using Vordel to manage virtual machines



## Overview

Vordel Cloud Service Broker (CSB) creates a layer of management to enable enterprises achieve the same level of control and visibility of their cloud infrastructure as they have of on-premises infrastructure. Via support for VMware vCloud Director, Vordel CSB manages the cloud connections, including management of the vCloud API Key vital for authentication to Cloud services.

## Provisioning Cloud Instances

By leveraging Vordel Cloud Service Broker, IT Infrastructure managers create and enforce rules governing the enterprise's use of a vApp. For example, the Vordel CSB can enforce a rule such as "a user with this role can start a vApp but not stop or terminate it", or "vApps can only be created during business hours" or "this organization's budget is limited to 20 vApps running at any given time, across all service providers". The joint solution removes any remaining impediments to the adoption of Cloud infrastructure as an enterprise ready service.

## Protect and Manage API Keys

VMware provides the vCloud API key to enable access to vCloud Director-based Cloud infrastructure service providers. 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 vCloud API key and uses it as part of API calls to vCloud Director IAAS providers.

## Control Cost of Using Cloud Services

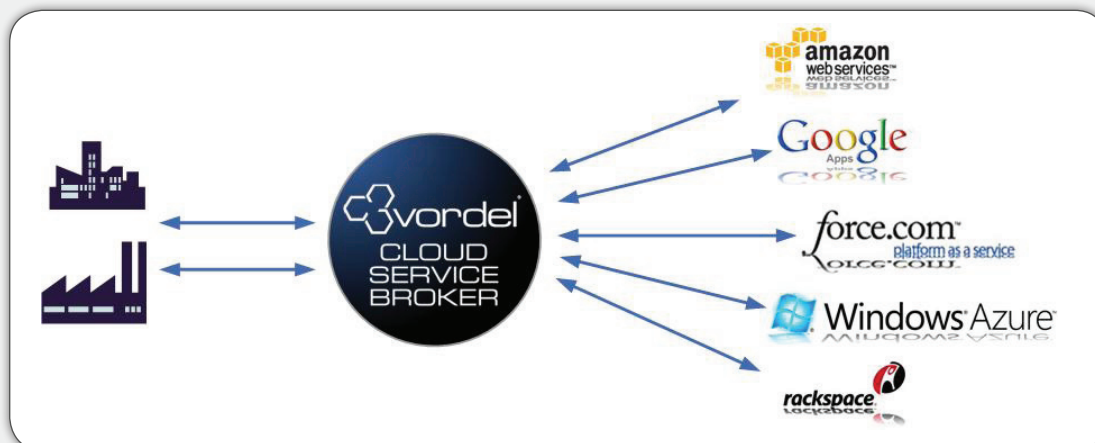
Don't let your Cloud costs get out of control. Data transfer to cloud computing environments must be controlled, to avoid unwarranted usage levels and unanticipated bills from over usage of cloud services. Uncover "under the radar" usage by your organization of Web and Cloud services and ensure data should only be 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 Vordel CSB monitors the connection to the Cloud Service 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.



*Jian Zhen, Director, Cloud Computing Solutions, VMware  
"Vordel and its Cloud Service Broker ... empowers the end-user to manage their usage of cloud infrastructure across multiple providers, in accordance with corporate policy."*



## Benefits

### Service Control

IT infrastructure managers can centrally create and enforce policies to govern their organization's usage of third-party Cloud Infrastructure Service providers. Companies can scale their IT infrastructure in line with demand, comfortable in the knowledge that all data is accessible and protected in compliance with company policies.

### Visibility

The enterprise obtains full visibility of its usage of Cloud infrastructure resources and can plan and scale its business operations accordingly.

### Cost Reduction

By overlaying a management layer on the organization's usage of the Cloud, greater cost controls and efficiencies are introduced to the equation, ensuring there is no financial wastage. Finance and IT departments can now plan their allocation of resources across on-premises and Cloud-side infrastructure components.

### 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.

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