

# **Real World Scenarios for Vertical Industries**

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# Introduction

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# Vertical Scenarios

- Mobile Telecoms (Brazil)
- Fixed Line Telecoms (Canada)
- Government (Spain)
- Insurance (Netherlands)

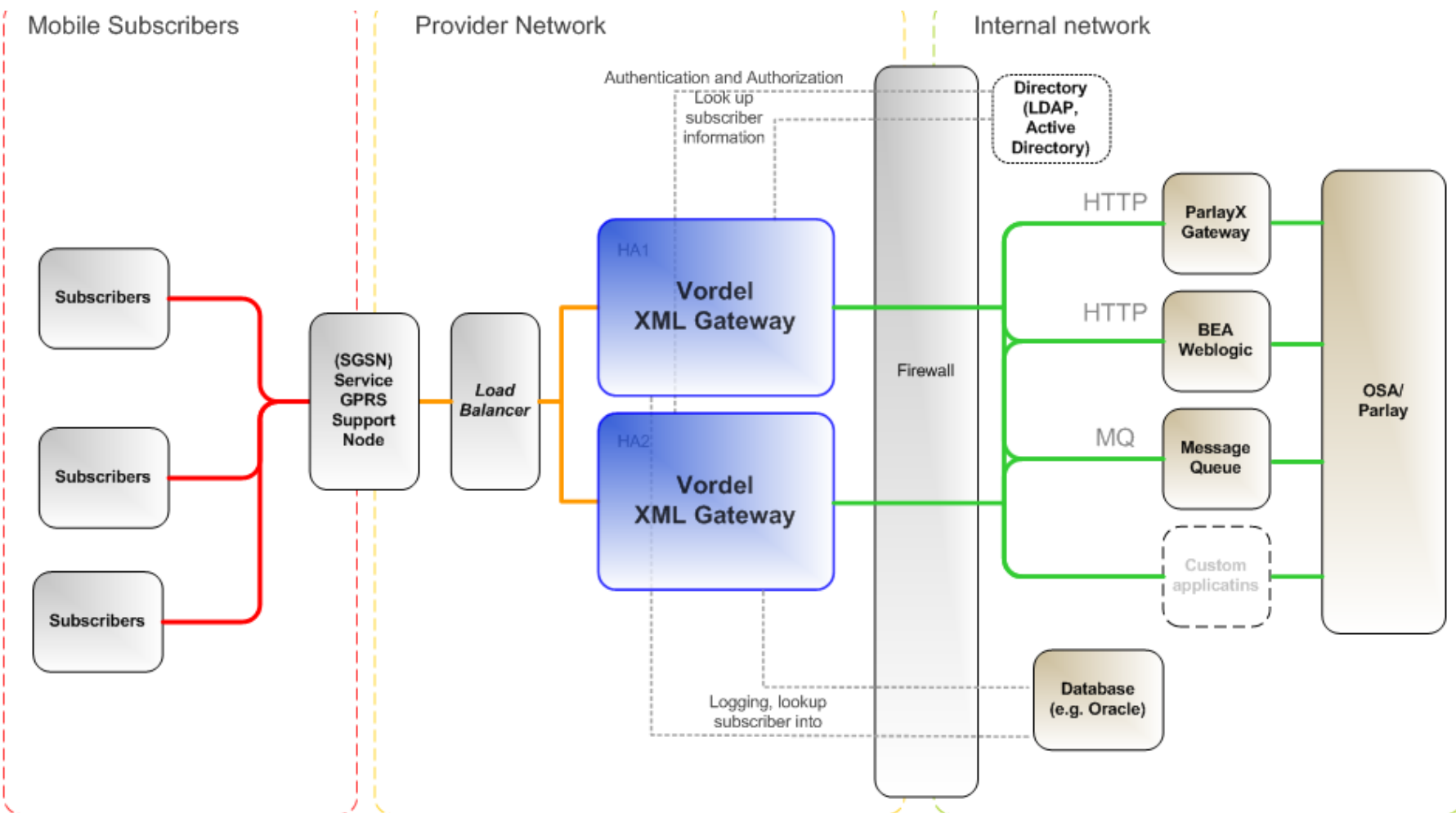
# Mobile Telecoms (Brazil)

- Vordel's products are part of a “Service Delivery Platform” which uses XML to link telecoms systems together
- Parlay-X is the XML standard used

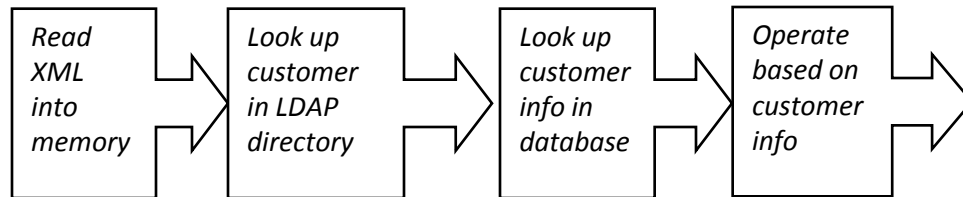
## Mobile Telecoms (Brazil)

- Vordel's XML Gateway performs validation of the Parlay-X traffic
- Vordel's XML Gateway also provides lookup of subscriber information from databases, and on-the-fly population of subscriber data into XML fields in the Parlay-X XML messages

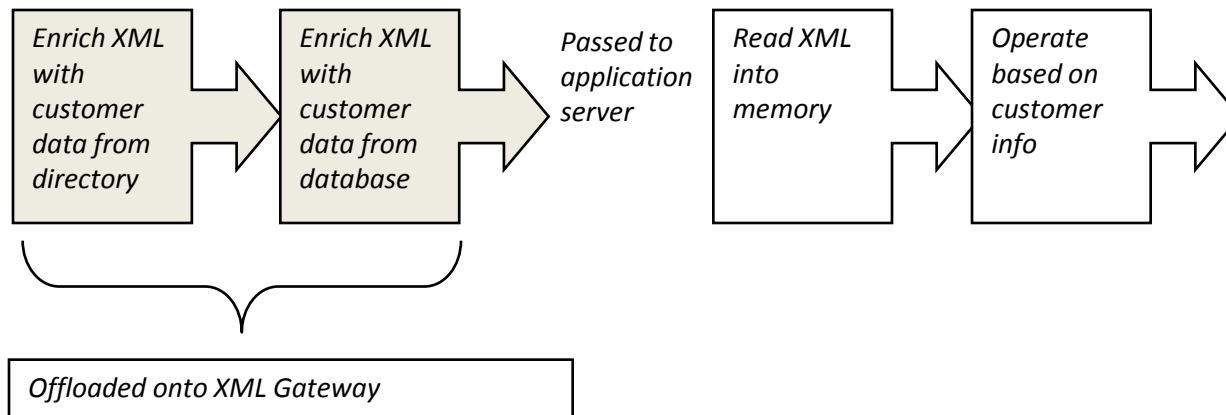
# Deployment diagram



# Key SOA Benefit: “XML Enrichment”



- Before: Everything on the application server



- After: XML enrichment happens at the XML Gateway

## Fixed Line Telecoms (Canada)

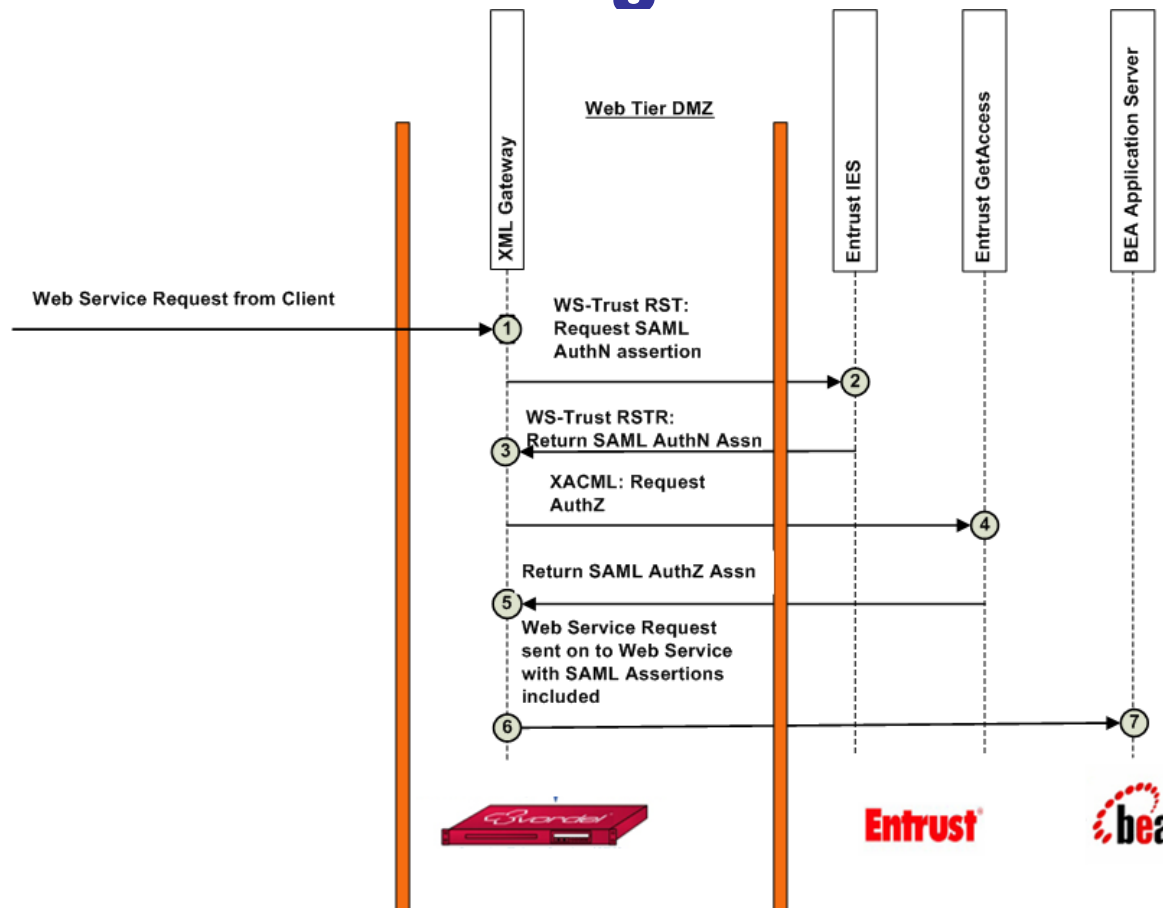
- Largest Canadian telecommunications company provides connectivity to residential and business customers.
- Must provide an interface to CLECs (Competitive Local Exchange Carriers) in a deregulated telecoms environment
- They had an existing Web portal which enables CLECs to access information using a Web browser. But they wanted automated B2B access using XML.



## **Fixed Line Telecoms (Canada)**

- Requirements:
  - XML Gateway links the Enterprise SSO (Entrust) into the SOA
  - XML Gateway links the Enterprise AV (McAfee) into the SOA

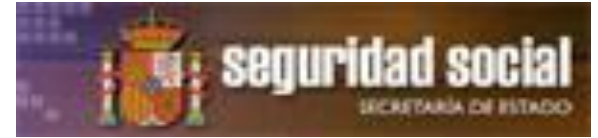
# Solution: Using WS-Trust and SAML



- ① The incoming XML message arrives at the Vordel XML Gateway which is providing Service Virtualization. The vordel XML Gateway scans incoming XML for threats.
- ② The XML Gateway performs authentication against Entrust GetAccess
- ③ Client Session ID is passed back to the XML Gateway in a SAML Assertion (authentication token). This connection uses WS-Trust.
- ④ The Vordel XML Gateway sends a request to the Entrust Identity and Entitlements Server (IES) to request fine-grained authorization. This is an AuthZDecisionQuery message

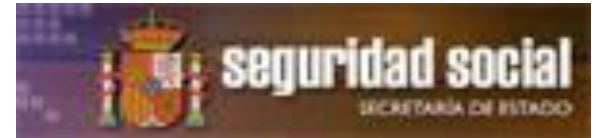
- ⑤ The Entrust IES returns back a SAML Authorization Statement to the XML Gateway
- ⑥ The SAML Assertion is bound into the XML message by the XML Gateway
- ⑦ The BEA Application server can consume the SAML Assertion

# Government (Spain)

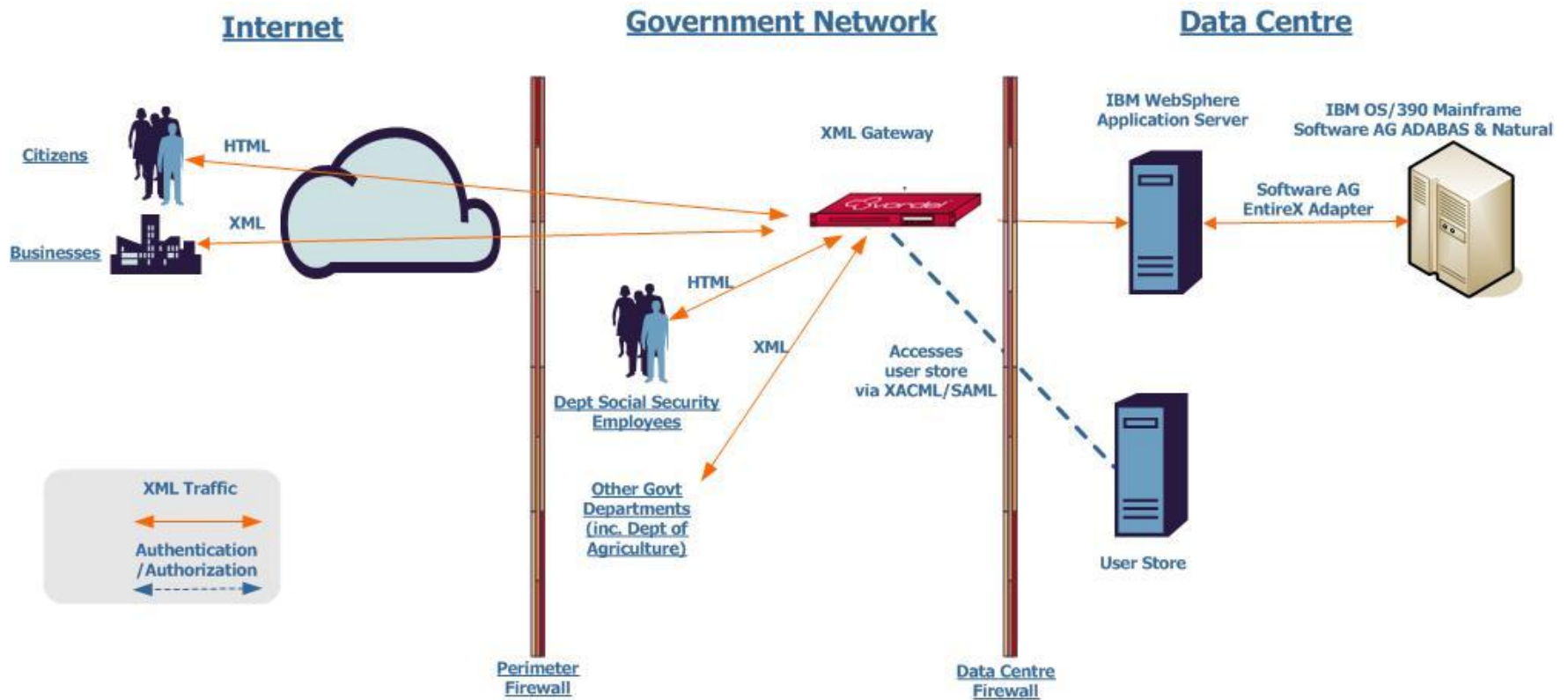


- Requirements:
  - Apply policy to Web Services
  - Enable access to mainframe assets in a controlled manner
  - Record and monitor Web Services usage
  - Allow browser access and XML Web Service access
  - Use an existing user store

# Government (Spain)



- Solution:
- Vordel XML Gateways
- OpenSAML was used to put an XACML/SAML interface in front of an in-house authorization server
- “Vordel delivered a high performance, highly scalable solution that has enabled GISS secure and manage the efficient delivery of our eGovernment services. They complemented our Software AG Web Services environment by providing the requisite levels of security for external and internal usage of these key services.”
- - Eladio Quintanilla, Director of Technology at Spanish Government Social Security Dept



## Fortis (Netherlands)

- Fortis ASR is the second-largest insurance company in the Dutch market and is a subsidiary of Fortis Group.
- 12.5% market share with annual turnover figures in excess of €5bn.

## Fortis (Netherlands)

- Deployed XML Web Services to deliver products and services online to broker partners.
- A large distribution network of 8,000 independent intermediaries

# Requirements

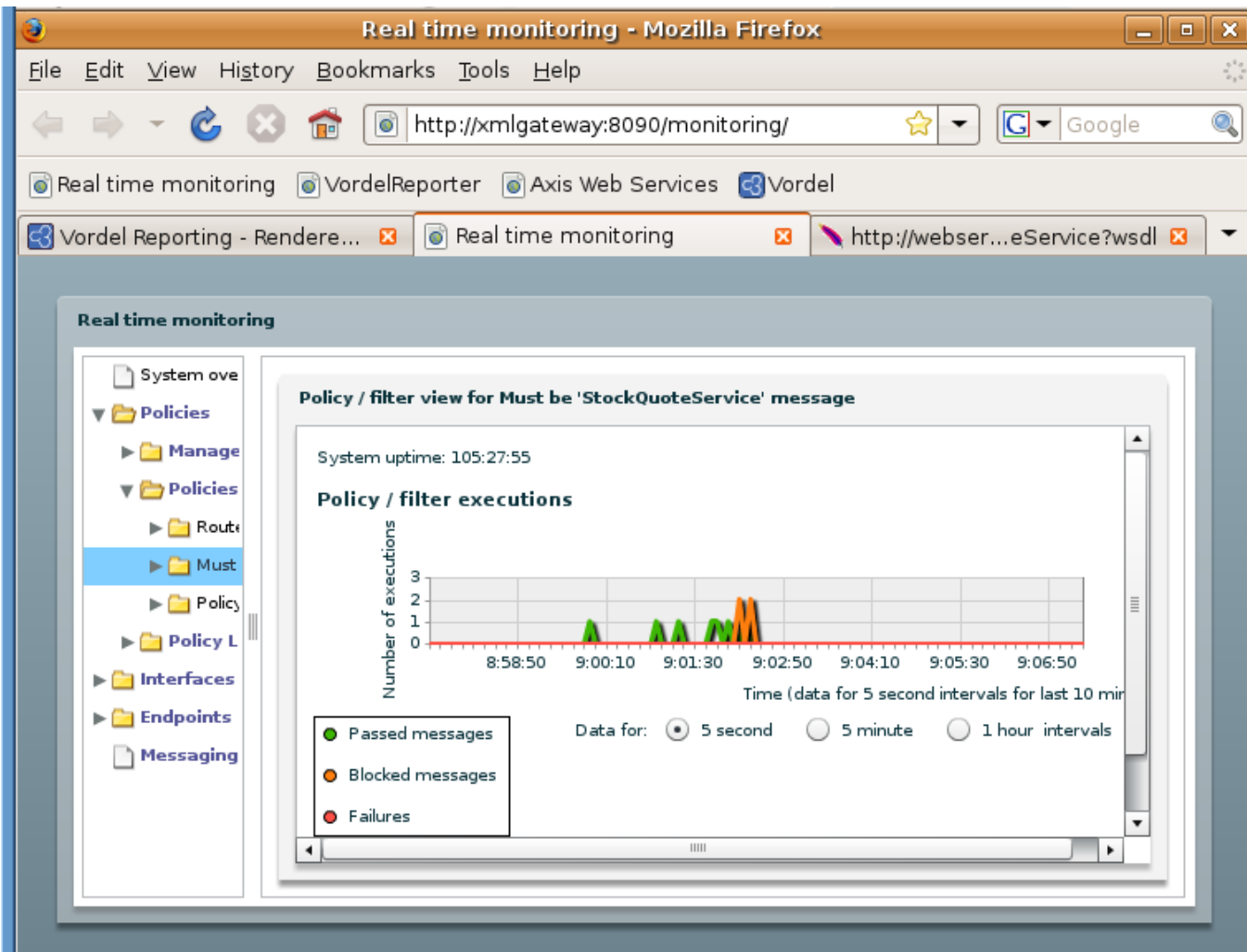
- Huge diversity of users accessing the insurance services,
- Support for a single store of authentication and authorization information, applicable to Web browser traffic (HTML, forms data) and to XML Web Services traffic (XML, SOAP).
- Future-proof: SSL now and WS-Security later



## Solution

- XML Gateways for XML networking across the SOA
- “RSA Secured” integration between the XML Gateways and RSA Access Manager (formerly “Cleartrust”)
- Certificate Validation using RSA’s Validation Solution

# SOA Usage Monitoring



# Questions?

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