

# DataPower

## Use cases and Customer Examples for the Insurance Industry

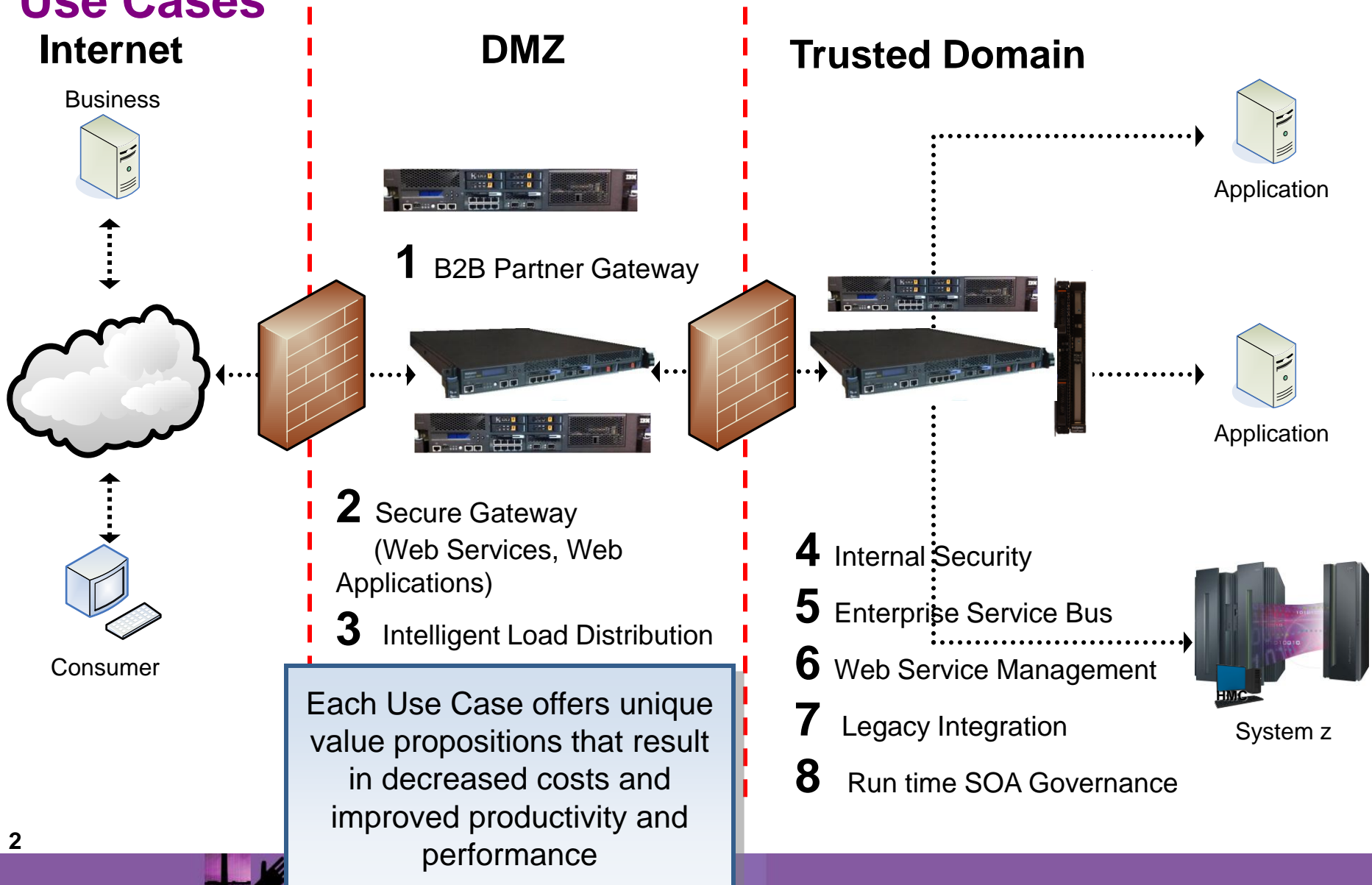


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# WebSphere DataPower appliances support 8 basic Use Cases



Each Use Case offers unique value propositions that result in decreased costs and improved productivity and performance

# DataPower Use Case

## Monitoring and control

Example: centralized ingress management for all Web Services using ITCAM SOA

## Deep-content routing and data aggregation

Example: XPath (content) routing on Web Service parameters

## Functional acceleration

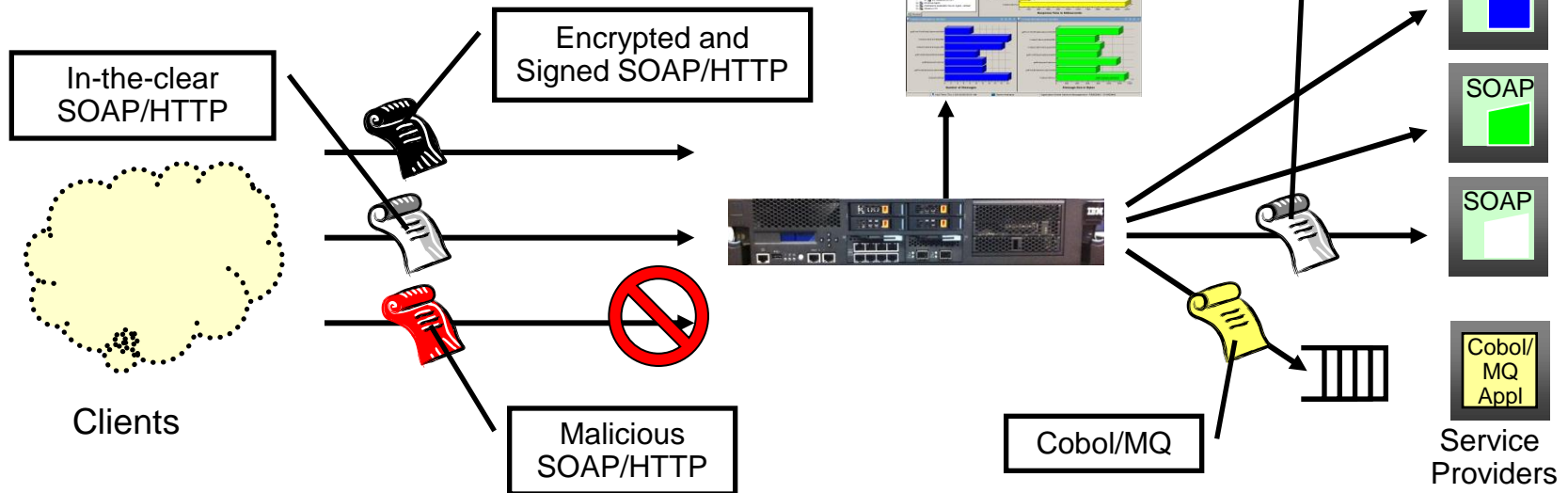
Example: XSLT, WS Security

## Application-layer security and threat protection

Example: XML Denial-of-Service protection, WS Security, AAA

## Protocol and message bridging

Example: Convert to WS to legacy Cobol/MQ



# AIG Agency Auto

## Secure SOA Integration of Web Services and Legacy Systems

### Challenge

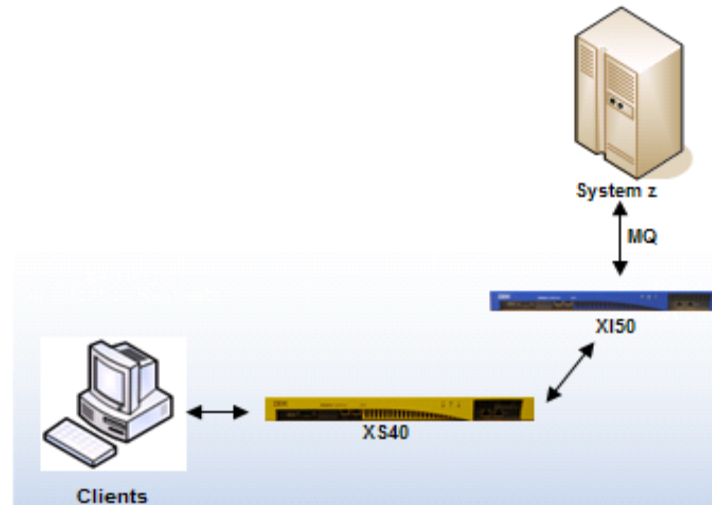
- Implementing an SOA to share mission-critical applications with affiliated offices & direct customers opens numerous vulnerabilities if not properly secured
- Security method based on SSL encryption contained security flaws that exposed unauthorized external access & XML threats

### Solution

- Implemented WebSphere DataPower Integration Appliance XI50 performing as an ESB for simple orchestration, transformation & routing of XML messages to WebSphere MQ
- Implemented WebSphere DataPower XML Security Gateway XS40 to increase the security XML Web services transactions.

### Benefits

- Substantially increased security of SOA without causing any throughput issues
- Cost savings by reducing size of existing application server farm



- **WebSphere DataPower Integration Appliance XI50**
- **WebSphere DataPower XML Security Gateway XS40**
- **WebSphere MQ**

# Blue Cross Blue Shield of Florida

## *Security Provisioning and Enforcement*



### Challenge

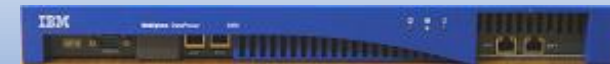
- XML Messages with Attachments coming from other Blues in the Association need to be authenticated, authorized, and virus scanned

### Solution

- Implemented WebSphere DataPower Integration Appliance X150 to provide security mediation and integration into existing Symantec and SiteMinder infrastructure

### Benefits

- Virus Scanning is done in the DMZ, preventing virus' from getting behind the firewall
- WebSphere DataPower can be extended to secure internal message traffic flowing through WebSphere Message Broker
- Best of Breed architecture for Identity Management, Virus Scanning, and XML Security



- **WebSphere DataPower Integration Appliance X150**
- **WebSphere Message Broker**

# The Hartford Financial Services Group

## Secure SOA & High-Performance B2B Portal



### Challenge

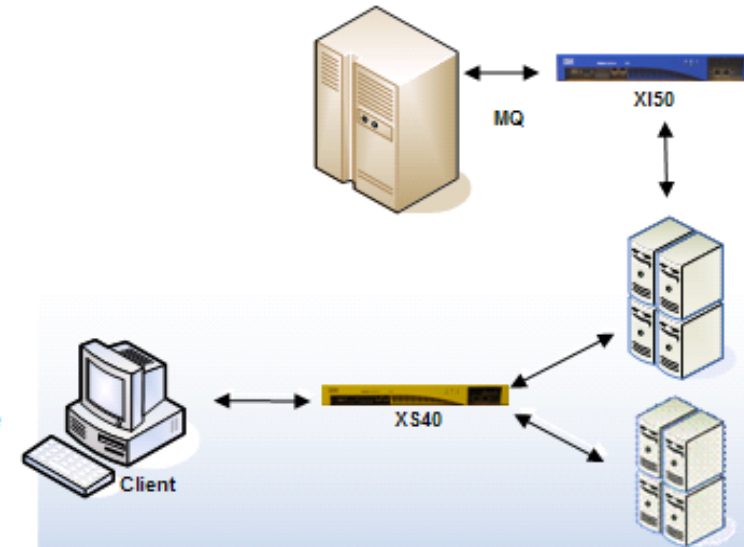
- Simplifying communication process with B2B portal to facilitate electronic insurance benefits for customers accessing internal services
- Implement security functionalities to protect mission-critical information
- Support for SAML assertions & LDAP directory
- Quickly transforming messages in various formats

### Solution

- Implemented WebSphere DataPower Integration Appliance XI50 for XML transformations
- Implemented WebSphere DataPower XML Security Gateway XS40 for comprehensive security practices

### Benefits

- Won new business & increased customer satisfaction
- Enables secure standards-based interoperability
- Interoperates seamlessly in existing heterogeneous environment
- Supports ACORD XML standard



- WebSphere DataPower Integration Appliance XI50
- WebSphere DataPower XML Security Gateway XS40
- WebSphere MQ
- WebSphere Message Broker

# Blue Cross Blue Shield of South Carolina

## Security Provisioning and z Integration

### Challenge

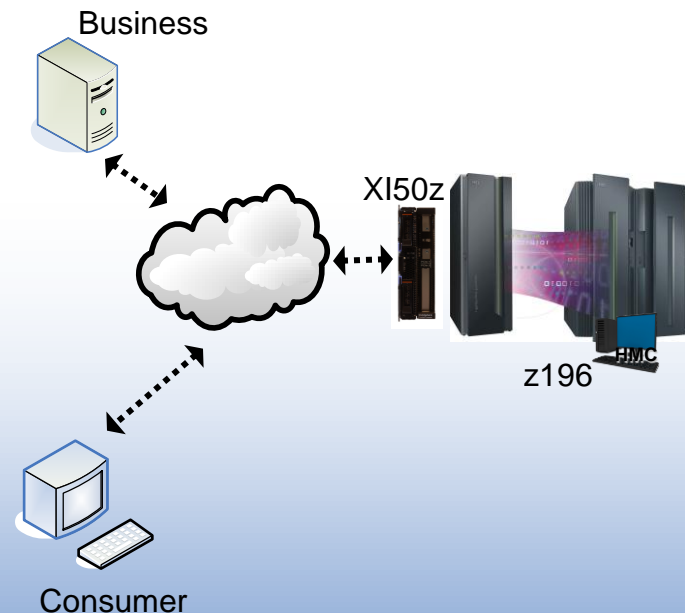
- Offload XML message management from legacy applications
- Provide protocol mediation for new user interfaces without having to modify legacy systems

### Solution

- Implemented WebSphere DataPower Integration Appliance XI50z to tightly integrate with existing zEnterprise environment, and mitigate additional expenses to implement high speed backbone network equipment

### Benefits

- Fully utilize zBX and IEDN to provide cost effective, high speed networking
- Rapid time to value by removing the need to modify existing applications
- Offload XML message management from more expensive xEnterprise
- Improve governance via single point of management and control for all z based applications



- **WebSphere DataPower Integration Appliance XI50z**

# Insurance

## Web Services Security and Management



### Challenge

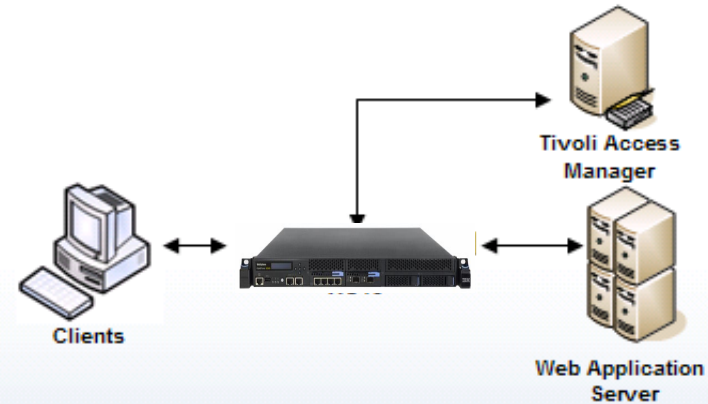
- Creating a Web services security infrastructure for XML Web services applications

### Solution

- Implemented WebSphere DataPower Services Gateway XG45 for Web services security and integration with Tivoli Access Manager environment
- Coordinated with IBM Client team on Next Generation Reference J2EE Architecture

### Benefits

- End-To-End Security model integrating with existing Security environment (TAM)
- Integration with existing Application tier
- Potential reduction in other hardware tools (ie. Applications router, app firewall, etc..)



- **WebSphere DataPower Services Gateway XG45**
- **Tivoli Access Manager**



# Commonwealth of Massachusetts

Executive Office of Health & Human Services

## SOA Governance & Interaction Among Heterogeneous Applications

### Challenge

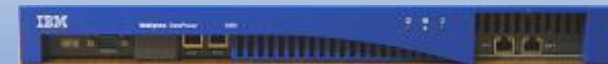
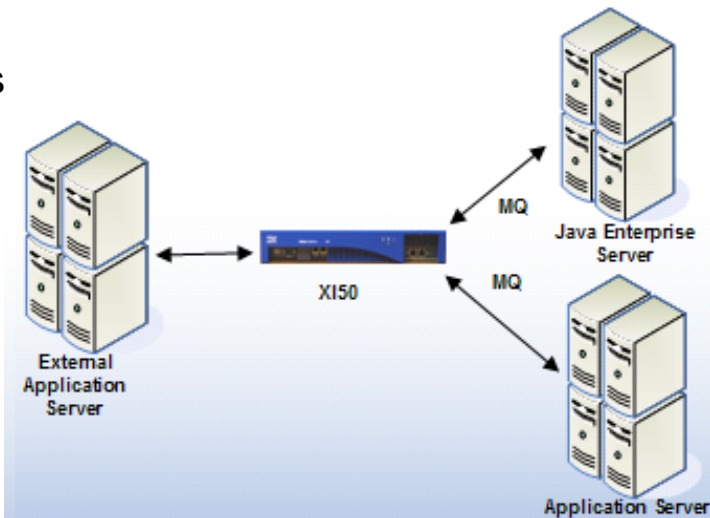
- In-house service bus lacked in synchronous messaging & service level management
- Effectively implement SOA Governance to realize the benefits of SOA

### Solution

- Implemented WebSphere DataPower Integration Appliance XI50 for easy Web services management, wirespeed performance & flexibility
- Deployed as a reverse proxy, providing schema validation & trust formations
- Augmented existing in-house service bus & WebSphere MQ

### Benefits

- WebSphere DataPower will reduce EOHHS's monthly total cost of ownership expenses
- Satisfied EOHHS' security & reliability concerns
- Does not create any measurable impact on existing infrastructure
- Drove SOA adoption



- **WebSphere DataPower Integration Appliance XI50**
- **WebSphere MQ**

# Commonwealth of Massachusetts

Executive Office of Health & Human Services

## Phase 2 – Business to Business Connectivity

### Challenge

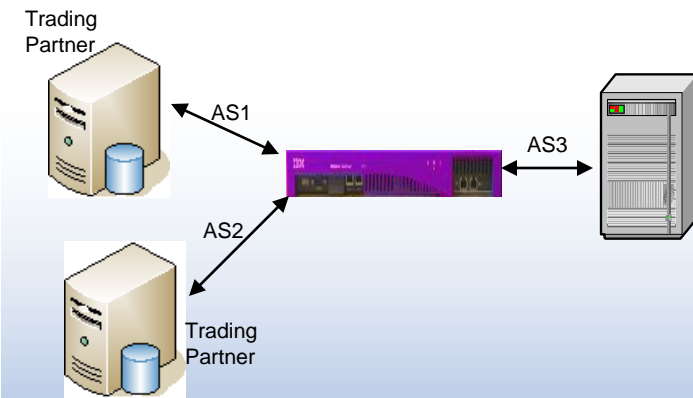
- Interaction with Hospitals, Dr.'s, and Insurance companies was manual, and had lengthy processing delays
- Connectivity with secure interaction required by health care regulations

### Solution

- Implemented WebSphere DataPower B2B Appliance to enable trading partner interactions without the need for partners or the Commonwealth to make application modifications
- XB60 deployed in DMZ to ensure secure communications, protecting both the State and trading partners

### Benefits

- WebSphere DataPower dramatically reduced EOHHS's cost of interacting with trading partners
- Satisfied EOHHS' security & reliability concerns
- Reduced processing times from 2 week average to 48 hour
- Enables rapid connectivity to new trading partners – no infrastructure modifications required



- **WebSphere DataPower Business to Business Gateway XB60**

# Nationwide Mutual Insurance Company

## Securing B2B Web Services



### Challenge

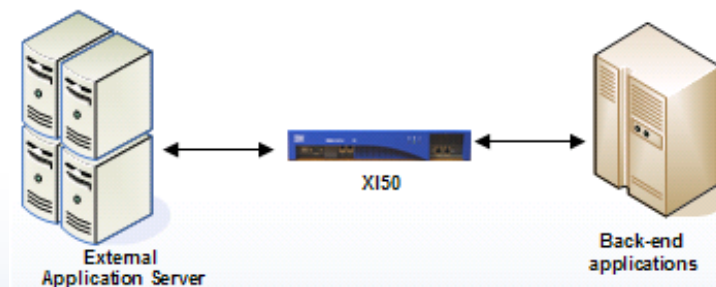
- Improving security & reliability of B2B Web services
- Cost-effective, easy to configure & manageable solution as well as increased performance

### Solution

- Implemented WebSphere DataPower Integration Appliance XI50 to secure B2B Web services
- Provides message-level security & threat protection for exposed SOAP Web services
- The XI50 provides XML integration on a secure foundation with the performance required for applications

### Benefits

- Enhanced all internal security requirements
- Improved overall application performance & SLM goals
- Lowered development costs & reduced implementation time
- Enabling lower ongoing maintenance costs



**WebSphere DataPower  
Integration Appliance XI50**

# Some of the DataPower Customers in the Insurance Industry

**W U W INFORMATIK LUI**  
**LEBENSVERSICHERUNG187:**  
**CAIXA SEGURADORA**  
**FARMERS' MUTUAL #**  
**KESKINÄINEN - ILMARINE**  
**IOI SONPO EIGYOKIKA**  
**MAATALOUS YRITT L MGC**  
**JM FAMILY ENTERPRISES II**  
**MELA**  
**HANOVER INSURANCE CO**  
**STANDARD INSURANCE CO**  
**HUK COBURG ESSO COB**  
**OCASO MADRID**  
**PROMUTUEL /SILLERY**  
**ICBC/NORTH VANCOUVER**  
**INTACT/ST-HYA**  
**INTACT/MTL**  
**AETNA LIFE INSURANCE CO**  
**ALLIANZ LIFE INSURANCE C**  
**FIREMANS FUND INSURANC**  
**ALLSTATE INSURANCE CO**  
**CIGNA CORP**  
**CHUBB GROUP OF INSURAN**  
**AVIVA CDA/SCARB**  
**DELTA LLOYD ASD**  
**MCKESSON CORP**  
**MS-INS CHIBA NT**  
**LIBERTY MUTUAL INSURAN**  
**TRAVELERS MANAG**  
**NATIONWIDE INSURANCE C**  
**GENWORTH NORTH AMERIC**  
**IAL OIO - SW**  
**MANULIFE/MARKHAM**  
**METLIFE**  
**NATIONALE NEDERLANDEN**  
**PRUDENTIAL FINANCIAL IN**  
**WELLPOINT INC**  
**AIG GLOBAL SERVICES INC**  
**STATE FARM MUTUAL AUTO**  
**Swiss Reinsurance Company**  
**QBE MNGMT SERVICES**

<b>FIREMANS FUND INSURANC</b>
<b>ICW</b>
<b>ING Institutional Plan</b>
<b>INSURANCE SERVICES OFFI</b>
<b>LIBERTY MUTUAL INSURANC</b>
<b>MASSACHUSETTS MUTUAL L</b>
<b>New York Life</b>
<b>Principal</b>
<b>PRINCIPAL LIFE INSURANCE</b>
<b>THE HARTFORD</b>
<b>THE NORTHWESTERN MUTU/</b>
<b>HUK-Coburg Haftpfl.-Unter</b>
<b>MAATALOUSYRITTÄJIEN</b>
<b>Phoenix Holdings</b>
<b>SIBS</b>
<b>SMABTP</b>
<b>AIA</b>
<b>AMERICAN HOME ASSURAN</b>
<b>BIDV</b>
<b>INSURANCE AUSTRALIA LIM</b>
<b>BRADESCO SEGUROS S/A</b>
<b>BRADESCO/IBM</b>
<b>METLIFE MEXICO, S.A.</b>
<b>Porto Seguro</b>
<b>Medco</b>
<b>Blue Cross of NC</b>
<b>Blue Cross of SC</b>
<b>Blue Cross of Mi</b>



# Documentation and Additional Information

- DataPower Home Page:
  - <http://www-01.ibm.com/software/integration/datapower/>
- DataPower Library (brochures, case studies, documentation, Red books, etc)
  - <http://www-01.ibm.com/software/integration/datapower/library/>
- DataPower Education and Training
  - <http://www-01.ibm.com/software/websphere/education/curriculum/soa/datapower/index.html>

***Thank You ..... Obrigado***