



Specialty Retail: Secure On-Line Transactions

The Project:

Project was designed to implement a secure order entry interface for on-line transactions. Meeting project requirements involved setting up virtual Web Services on DataPower using XML Firewall. DataPower was implemented to translate the incoming HTTP-SOAP calls to ODBC calls on a DB2 database. Both DataPower and DB2 were mounted on a protected network. Digital Certificates and authentication using LDAP were used for authentication and SSL was used for transport level security. Multiple indirections/levels of security were used for storage and retrieval of credit cards for maximum security.

Client:

Large Specialty Retailer

Solution Details:

- Rack mount DataPower XI50s for QA and production
- Configured XI-50 appliances for networking and clustering
- Developed Firewall policies for Web Service logic
- Setup DataPower for SSL
- Setup DataPower to encrypt/decrypt selected fields in the incoming/outgoing request
- Setup Style sheets to make SQL calls to DB2
- Setup monitoring/logging for DataPower

Technologies:

WebSphere Application Server 6.x, DataPower XI50, SoapUI for Client, DB2 9.0, Firewalls

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