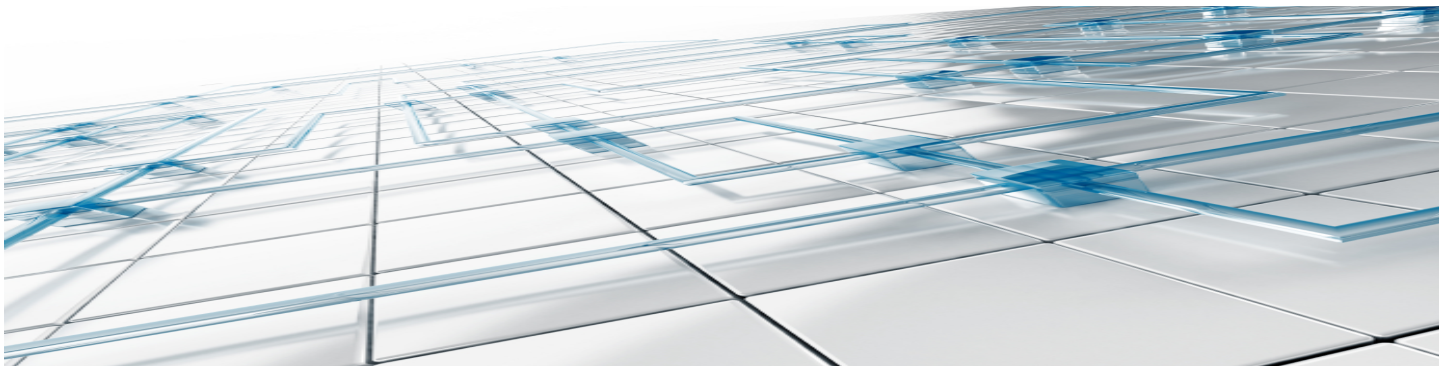


# Blue 2.0 Services

## IBM DataPower SOA Appliances



**Why DataPower?** The emergence and adoption of XML and Web Services as part of the SOA open framework has positioned a strong requirement for infrastructure to support these types of new technologies.

### DataPower Services

- ❖ **Architect and Design:** subject matter expertise developing security policies and content based routing for fast and secure Web Services processing
- ❖ **Administration:** installation and configuration of secure DataPower XI50, XS40 and XB60 appliances
- ❖ **Implement:** comprehensive Processing Policies for authentication, transformation and routing
- ❖ **Deployment:** automatic synchronization with WSRR; export and deployment of sets of services into a clustered environment using WebSphere Application Server
- ❖ **Optimization:** monitoring, analyzing and debugging functionality and performance issues related
- ❖ **Mentoring:** Blue 2.0 provides SME's to train your team in the DataPower skills necessary to make them independent

Because XML and SOAP support a rich communication language platform this has presented a number of key challenges for software-based middleware, most notably the impact of the processing demands as a result of the extensive parsing needs required to support these simple, self-describing text based paradigms. In addition to other efficiency related items has resulted in software middleware having to dramatically scale-up with the impact of additional license requirements, complexity and overall increased operating costs. Additionally these application-aware technologies have brought unwanted attention from software hackers and have made them vulnerable to attack.

The DataPower SOA appliances have been designed to address some of the major challenges noted, including but not restricted to Performance, Operational Management and Security & Access Control.

**Performance:** Blue 2.0 can enable your adoption of highly efficient and reliable routing via wire speed message processing including XML, XSLT, XPath and XSD. This provides for XML and SOAP inspection and a resultant content based routing model.

**Security:** With more applications moving to an SOA paradigm with application-aware language support through XML and SOAP, the adverse result has been an increased opportunity for malicious attacks on the data stream. Blue 2.0 can demonstrate how a DataPower solution can prevent vulnerabilities through the use of data signatures, SSL encryption/decryption, Proxy support, Firewall filtering and XML field level security.

**Access Control:** This can be centralized within the DataPower appliance rather than at the software layer and can provide for authentication and authorization at the message level including WS-SECURITY and WS-TRUST in addition to AAA policy support.

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# Why Blue 2.0 for DataPower?

## Blue 2.0 Consultants are highly skilled professionals capable of helping you and your team with some of the most *complex* of tasks

Whether your requirements are for using DataPower as a Security appliance or as an ESB or even both, our seasoned consultants have experience in the field powering secure, rapid throughput of Web Services for the most demanding of Financial Institutions' transactions and ensuring security for some of the most sensitive information for the Health Care industry by complying with stringent HIPAA regulatory requirements. They are sure to provide you with some of the best skills in the industry to help realize your objectives.

## About Blue 2.0

Founded in 2009, Blue 2.0 is an organization comprised of top talent and leadership with over 16 years experience in the IBM software and services market. The focus of Blue 2.0 is centered on a Partnership model where we listen to the Customer needs and requirements as to elicit the business drivers and value for the technical solution. With that knowledge in hand, Blue 2.0 consults and advises our Customers on the best of breed technology solution and execution plan to achieve their goals.

Our technical subject matter expertise is demonstrated in numerous successful implementations with:

- Business Process Management & SOA
- Enterprise Services Bus
- eCommerce
- Systems Security and Monitoring
- Information Management

The services and solutions practitioners of Blue 2.0 are trained to focus on the big picture landscape of why IBM technologies are best suited to help our Customers satisfy requirements of being compliant, competitive and consistently delivering value to *their* customers.

We understand the reasons why you invest in IBM software to deliver world-class enterprise solutions. It is our job to support your initiatives through our expert delivery capabilities as your trusted partner. Your success in achieving the goals of driving business value internally and externally is our focus.

## Leverage Blue 2.0 for your DataPower initiatives.

### DataPower Projects

#### Large Pharma:

- ❖ Implemented state-of-the-art security for pharmaceutical supply ordering system
- ❖ Secured Web Services HIPAA compliant transactions using SSL protocols, virtual firewalls and cryptographic artifacts
- ❖ All security and routing managed by a drop-in DataPower XI50 appliance

#### Financial Institution:

- ❖ Implemented XSL model for content based routing of thousands transactions/second
- ❖ Secured transactions through AAA policies
- ❖ Established PCI compliance model

#### Insurance:

- ❖ Integrated DataPower XI50 with WSRR providing seamless governance
- ❖ Established XI50 as a forward/reverse SSL proxy, multi-protocol Gateway and secure XML Firewall device
- ❖ Established XB60 as a multi-protocol, multi-vendor supporting appliance with full support for AS2



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