

# SOA Integration Components

## INTRODUCTION

BTECH Consulting, Inc. is a small, woman owned technology solutions provider. BTECH supports federal and commercial clients with performance-based solutions that assist in meeting their strategic and operational objectives. BTECH has prepared this document to assess and summarize BTECH's current strategy and offerings for providing a Service-Oriented Architecture (SOA) based platform for process integration including the SOA approach to distributed component architecture, and the enablement of business process and legacy systems integration.

Since 2003, BTECH has been providing Mission Critical SOA based distributed Gateway and Routing services for Defense Logistics Agency (DLA). These services support DLA on their DoD mission and enable them to communicate with their worldwide business partners.

## STRATEGY

For a number of years, BTECH has been building integrated SOA components into its suite of offerings comprising its SOA product framework. These components are the backbone of BTECH's Distributed SOA Framework. With an abstract approach, these components can be deployed with major industry standard SOA providers:

- IBM WebSphere<sup>®</sup> MQ
- Oracle Weblogic<sup>®</sup>
- Sonic<sup>®</sup> ESB
- SoftwareAG WebMethods<sup>®</sup>
- Red Hat JBoss<sup>®</sup>

## INTEGRATION COMPONENTS

BTECH's component integration approach is designed with a number of key objectives in mind:

- Deliver the full range of integration options within a single distributed framework.
- Adopt and embrace industry best practices and standards wherever possible.
- Place a particular emphasis on security, availability and throughput.

The suite of BTECH Gateway components provides the following standard features:

- Fully customizable, service oriented framework.
- LDAP and RDBMS driven authentication and logging.
- Integrated Intrusion Detection System (IDS) with alerts.

## Communication Adaptors

**BTECH FileGateway** – BTECH offers a file transfer gateway product for handling the FTP, FTPS and SFTP protocols. This component provides secure flexibility for the enterprise communications. Data flows through the BTECH FileGateway allowing local storage as well as transfer to the Enterprise Service Bus (ESB) components through a variety of trigger mechanisms.

**BTECH MessageGateway** - BTECH offers a message gateway product for integrating message based complex multi directional SOA installations. This component seamlessly integrates application modules using single or composite ESB products. The BTECH MessageGateway can be deployed to support data flow to and from the ESB, other third party SOA brokers, the file system or other enterprise backend components. The gateway can also be used to bridge across disparate messaging systems such as JMS, MQ and MSMQ.

**BTECH WebGateway** - BTECH offers a web gateway product to enable the enterprise to receive business critical messages via the HTTP and HTTPS protocol. Messages are received, extracted and sent to the ESB, file system, other enterprise backend components, or even to a web service provider with the BTECH WebGateway acting as a proxy on behalf of the client.

**BTECH MailGateway** - BTECH offers a mail gateway product enabling the enterprise to receive messages using the GNU and POP3 protocols. The mail is received, screened, and sent to the ESB, other third party SOA brokers, the file system or other enterprise backend components. With the BTECH MailGateway organizations can extend their business-to-business communications to their smallest partner with minimal investment.

When deployed on the DMZ layer of the enterprise network, BTECH Gateway components can provide enterprise wide communications without compromising security or exposing any of the enterprise resources in the protected network layer.

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