

Challenge

As part of the SuperStream Reform, a large Australian Government agency was tasked with the provision of services through standards such as AS4 and XBRL. With no commercial product in the market place that supported AS4, the agency required a solution that could handle AS4 as well as large XBRL messages.

The solution also needed to interface with the agency's many touch points for internal and external suppliers, using protocols like SOAP web services, MQ, FTP and Connect:Direct.

Solution

eBlueprint, in conjunction with IBM, facilitated workshops with various stakeholders to determine the technical requirements for a solution that supported AS4. These requirements were instrumental in IBM committing to the build of a new product with AS4 support.

eBlueprint worked closely with IBM in utilising this new product to implement a B2B Gateway solution that would provide a configuration driven framework to interact with external parties using AS4 and support XBRL as the message payload format. eBlueprint needed to ensure that the solution enabled external business software to interact with the Government Agency's services whilst meeting their strict requirements for data security and integrity.

The solution extends the bulk exchange framework built previously to add support for real-time request processing as well as further externalise processing of XBRL Validation and Transformations to third party services.

Result

The Super Stream Gateway was successfully implemented by eBlueprint as the first of-its-kind Gateway solution, supporting the Australian Government agency to be compliant and up to date with the SuperStream Reform that was put in place in 2014.

Services Provided:

- Project Management
- AS4 Requirements Gathering
- Application Architecture
- Technical Design and Implementation
- Development
- Testing Support

Products Utilised:

- IBM Multi-Enterprise Integration Gateway
- IBM Sterling B2B Integrator v5.4.2.2

Standards:

- AS4 / ebMS 3.0
- XBRL

Key Features:

- Support for multiple channels - AS4 Clients, Portal, Sterling Mailbox UI
- Support for multiple delivery protocols - FTP, MQ, C:D Web Services
- Support for multiple data set formats - Flat files, XML, XBRL

Contact Us

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