MBR Focus Group 1

Thursday 8 Oct 2020

Australian Government
Australian Taxation Office

Focus group aim

The intention of this discussion is to, as a community:

- Agree on default messaging channel
- Agree on the Protocol and format of the default messaging channel

MBR Service Principles

Easy to consume – the services exposed should be easy to interpret, build and test against

Lightweight – the services exposed should be lean and responsive

Fit for purpose –the services should be designed and developed with the DSP community to fit the ecosystem

Open Community Standards – the services should be based on open standards

Industry best practices - delivering modern and transformational services to accelerate time to market for DSP's

Drive Adoption and Innovation – the services exposed would allow flexibility for the consumer applications (within the registry)

Example Use Case

- The ABN Lookup web service allows you to integrate ABN Lookup validation and data into your own applications. There are many uses for the web services, including:
    - ABN validation and pre-fill on forms
    - Keeping ABN details stored in your database up-to-date
- Some statistics :

Description	Volume
No. of API invocations (2019-2020)	1.4 Billion
No. of Retail invocations (2019-2020)	145 Million
Total web service registrations	8,095
Active web service users in July 2020	1644
New web service registrations in July 2020	120

- The ABN Lookup (and Super Fund Lookup) service is hosted on Department of Industry infrastructure and ATO feeds (delta) data near real-time into the DoI systems

Platforms & Infrastructure – the right service channels

To deliver different packets, parcels or messages efficiently & effectively we need different delivery capabilities

Nimble & can deliver to every address. Parcel delivery modes vary, but great at meeting individual needs for small packages.
Inefficient way of delivering very large packages centrally.

Digital Services Gateway

- Ultra fast, scalable, responsive
- Cloud Native
- New formats
- Business & life event transactions

Adopt flexibility of digitalisation from the ground up. Fresh services delivered quickly.
Some SBR2 services could/should be available here. For example MBR Services, Calculators, event based data

Trains require defined tracks to run on & deliver to many stations. Great for distribution of wholesale payloads.
Not good at delivering to your door.

Digital Reporting Channel (SBR)

- Faster, scalable, responsive
- Handles all existing standards & formats (EBMS3/AS4 – XBRL, XML)

Digital Reporting Channel is primarily necessary to keep industry partnerships such as SuperStream & legacy reports relevant.
ebMS as an example is a fit for purpose protocol, not fit for all purposes.

Cargo ships can only dock at major ports. Great for delivery of massive payloads.
Not good at distributed delivery.

Bulk Data Exchange

- Fit for purpose
- Trusted providers
- Built for large loads, file based
- Handles multiple formats eg: AIIR File – up to 12GB

Industrial sized offering, trusted protocols limited access. Currently fit for purpose & meets industry needs.

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Channels Comparison for MBR Services

MBR Service Principles	Channels		
	Digital Services Gateway	Digital Reporting Channel (SBR)	Bulk Data Exchange
Easy to consume	🟩 Fully Meets	🟧 Partially Meets	🟧 Partially Meets
Lightweight	🟩 Fully Meets	🟧 Partially Meets	🟥 Does not Meet
Drive Adoption and Innovation	🟩 Fully Meets	🟧 Partially Meets	🟧 Partially Meets
Fit for purpose	🟩 Fully Meets	🟩 Fully Meets	🟩 Fully Meets
Open Community Standards	🟩 Fully Meets	🟩 Fully Meets	🟧 Partially Meets
Industry best practices	🟩 Fully Meets	🟧 Partially Meets	🟩 Fully Meets

Legend

- 🟩 Fully Meets
- 🟧 Partially Meets
- 🟥 Does not Meet

Protocols and format comparison

MBR Service Principles	Protocols/Formats		
	JSON over REST	XML over SOAP	XML over EBMS3
Easy to consume	🟩	🟩	🟧
Lightweight	🟩	🟧	🟧
Drive Adoption and Innovation	🟩	🟧	🟧
Fit for purpose	🟩	🟩	🟩
Open Community Standards	🟩	🟩	🟩
Industry best practices	🟩	🟩	🟧

Legend

🟩 Fully Meets

🟧 Partially Meets

🟥 Does not Meet