



John Murray

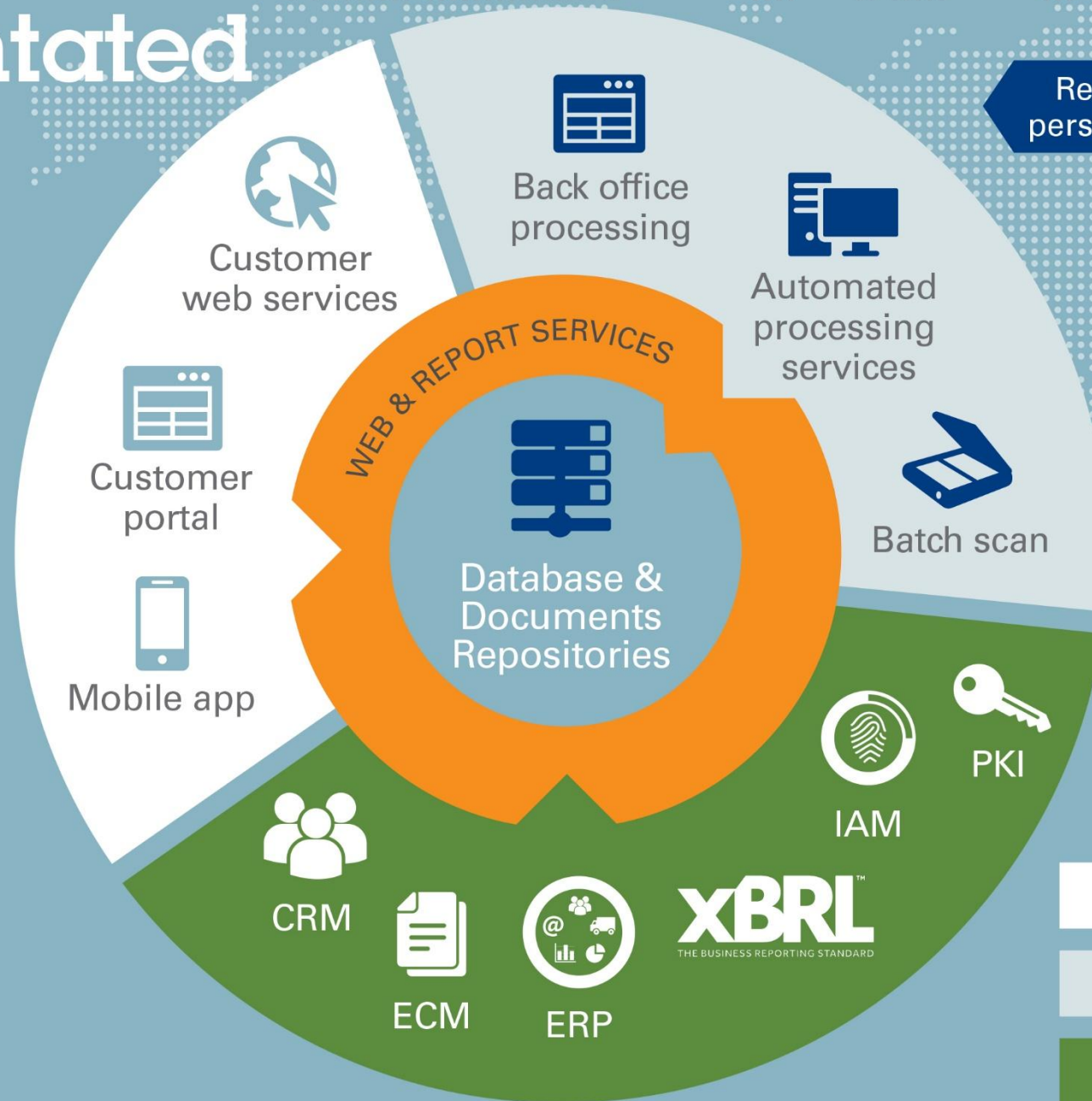
Director, Business Development & Delivery

Statutory Registers

- Corporate/Company
- Personal Property
- Pension
- Beneficial Owners
- Mortgage/Charge
- Land
- Intellectual Property
- Aircraft
- Industrial Design
- Licensing
- Occupational
- Shipping
- Births, Deaths & Marriages
- Charities
- Medical

Service Orientated Architecture

- Information brokers
- Government agencies
- Corporate service providers
- Customers



Registry personnel

- EXTERNAL USER APPLICATION
- INTERNAL USER APPLICATION
- 3RD PARTY

XBRL
THE BUSINESS REPORTING STANDARD

The future 'RegTech'



BLOCKCHAIN



MOBILE



BIG DATA



SOCIAL MEDIA



CLOUD



API FIRST



IAM

Government Digital Services

- Register
 - Agree the custodian
 - Define the register (Legislation, data-set, etc.)
 - Build the register
 - Agree operational standards
 - Technical standards
 - Remove Duplicates
 - Publish the register (APIs, Portal, etc.)

Register Characteristics

- Canonical – one single purpose
- Minimal – minimum viable datasets
- Reason to exist – usually legislative
- Live – usable data, not just published lists
- Standardised – names are consistent so they can be linked
- Raw – contains raw data not statistics
- Custodian – have an authority

Register Best Practice

A register should...

- only hold the data it was created to record.
- be consistently reliable, and minimal in design.
- be trustworthy.
- provide a guarantee of integrity (cryptographic proof of origin).
- be append-only.
- not provide ad-hoc querying.
- exist within a government's digital ecosystem/ digital services.
- provide services that can be exposed to platforms that create interoperability both at jurisdictional or international level.

Interoperability – Best Practice

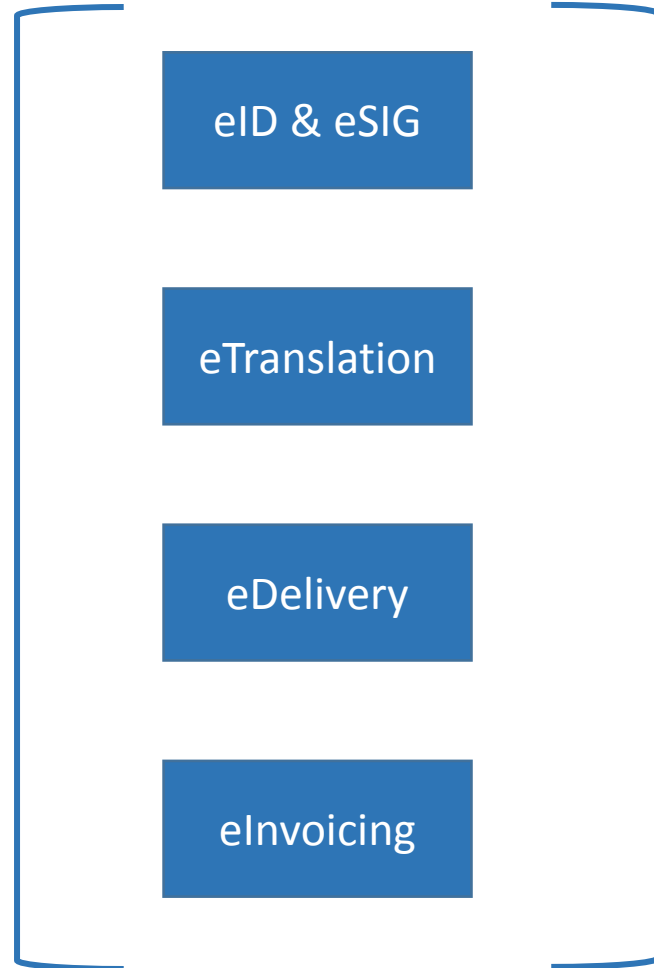
- Domain Neutral
- Authority
- Extensible
- Single Message Structure
- Gateway
- Compliance
- Ontology
- No Requirement for Change
- Common Building Blocks
- Security

Digital Services Infrastructure (DSI)

CEF



Building Blocks



Best Practice



Don't reinvent the wheel!

