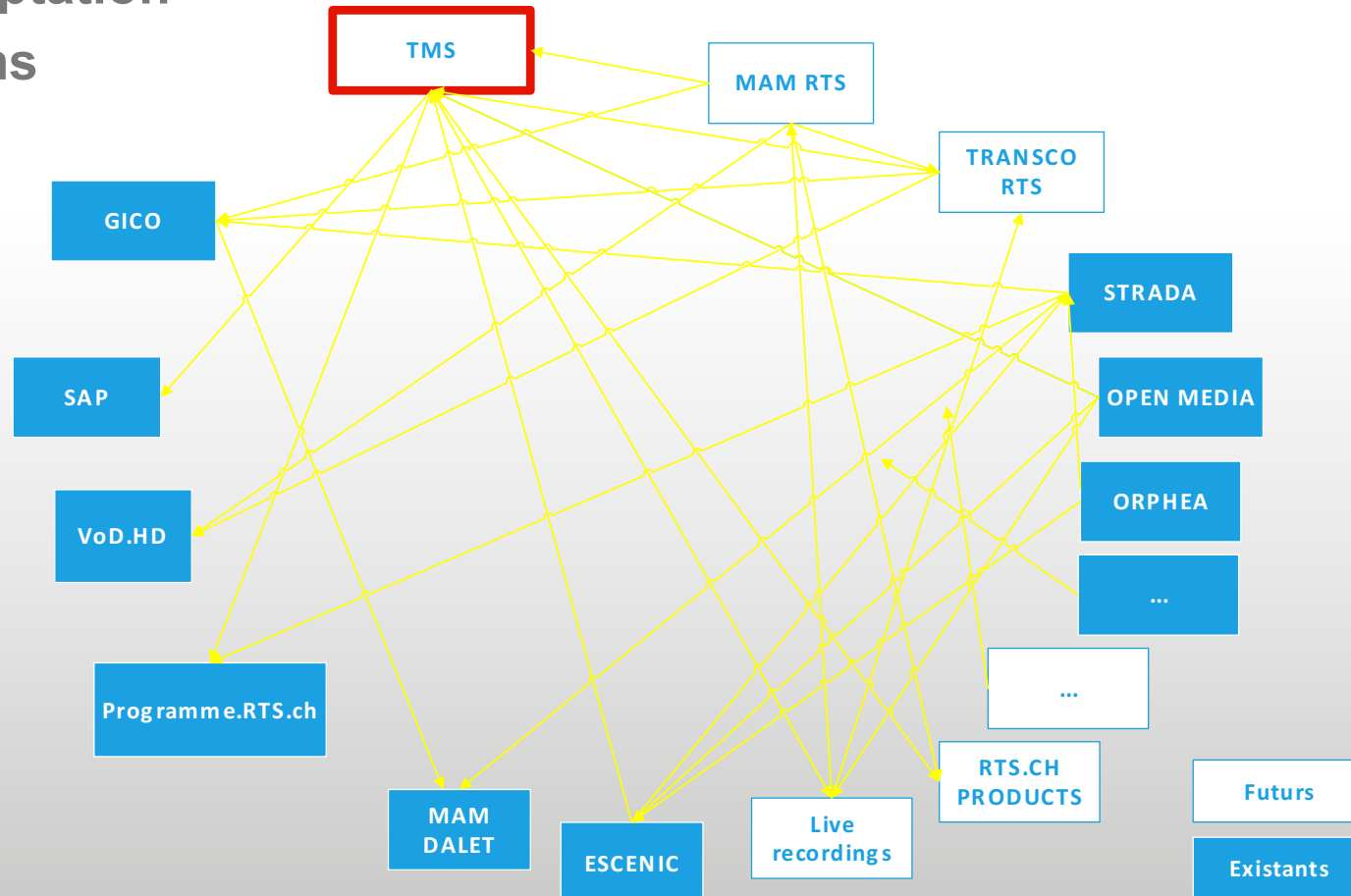# SOA using Mule Open ESB

EBU Open Source Meetup @ IBC 2017
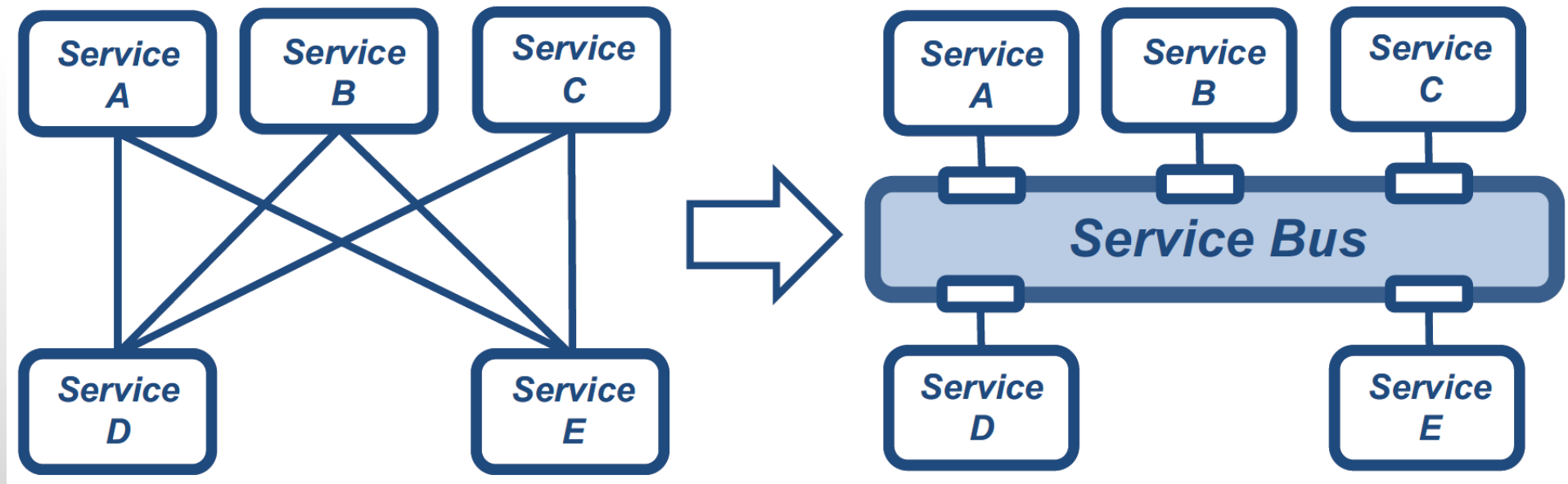**Mathias Coinchon, CTO RTS**

Motivation/Needs

- **Interconnect Information Systems, Platforms from various manufacturers (proprietary)**
- **Avoid vendor lock-in as much as possible, keep the cost down**
- **Need to be Agile, fast adaptation**
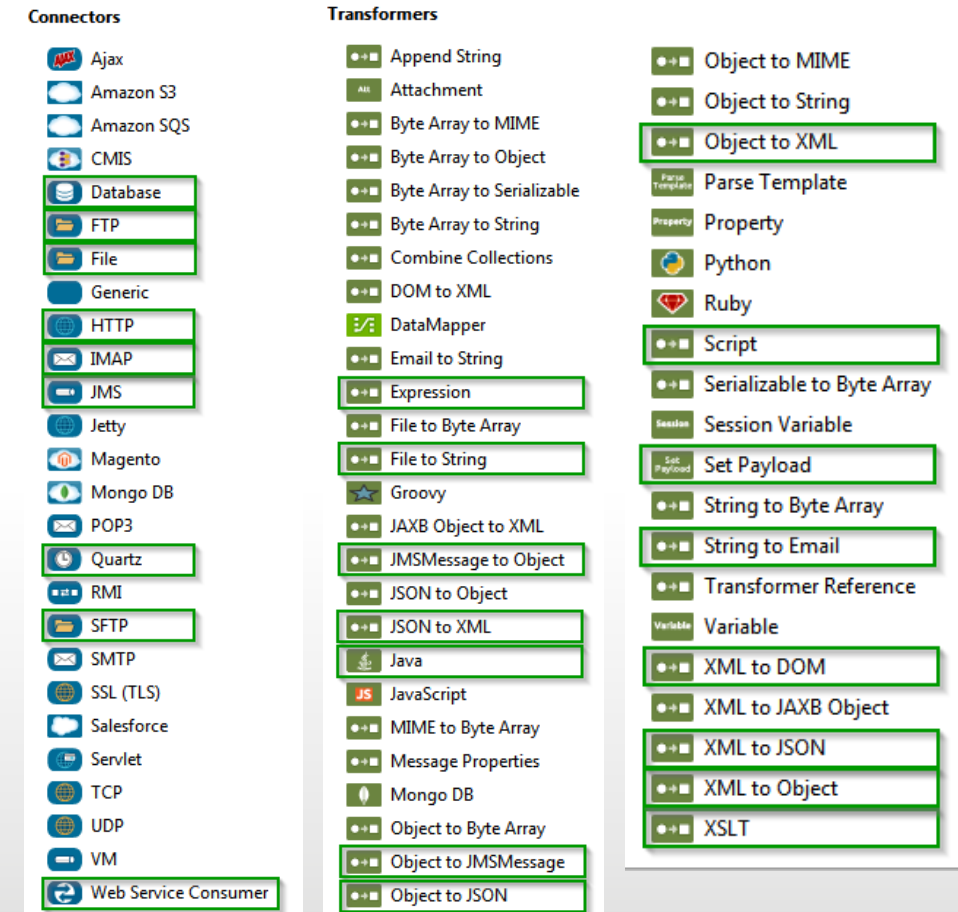- **Interface with Digital teams**
- **Operation by DevOps**

Service Oriented Architecture

- **Reduce the «spaghetti effect» (costly) in Information Systems**
- **Entreprise Service Bus as the backbone**
  - Flexible, easy to adapt
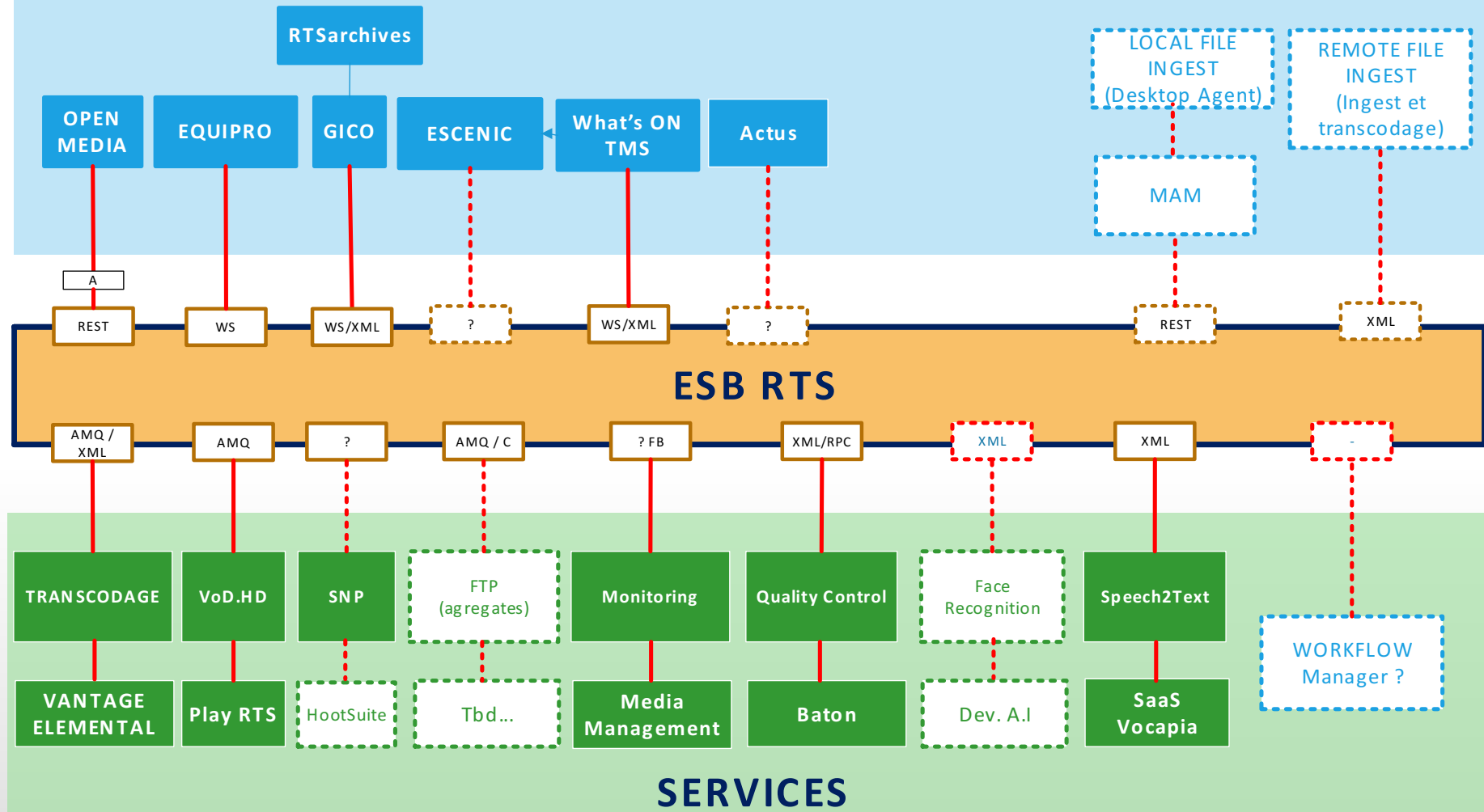 - Open, Not proprietary: avoid vendor lock-in, be future proof, control costs

MuleSoft Open Source SOA

- **A commercial company (on NYSE!)**
  - Free base but commercial licence, services, BPM,..
- **Cheaper and easier than broadcast specific ESB**
- **Graphical interface for agile configuration**
- **Several IT standard connectors**
- **Anypoint platform (Mule ESB)**
- **Active community**

- **https://github.com/mulesoft** **(community edition)**

Connectors
- Ajax
- Amazon S3
- Amazon SQS
- CMIS
- Database
- FTP
- File
- Generic
- HTTP
- IMAP
- JMS
- Jetty
- Magento
- Mongo DB
- POP3
- Quartz
- RMI
- SFTP
- SMTP
- SSL (TLS)
- Salesforce
- Servlet
- TCP
- UDP
- VM
- Web Service Consumer

Transformers
- Append String
- Attachment
- Byte Array to MIME
- Byte Array to Object
- Byte Array to Serializable
- Byte Array to String
- Combine Collections
- DOM to XML
- DataMapper
- Email to String
- Expression
- File to Byte Array
- File to String
- Groovy
- JAXB Object to XML
- JMSMessage to Object
- JSON to Object
- JSON to XML
- Java
- JavaScript
- MIME to Byte Array
- Message Properties
- Mongo DB
- Object to Byte Array
- Object to JMSMessage
- Object to JSON

- Object to MIME
- Object to String
- Object to XML
- Parse Template
- Property
- Python
- Ruby
- Script
- Serializable to Byte Array
- Session Variable
- Set Payload
- String to Byte Array
- String to Email
- Transformer Reference
- Variable
- XML to DOM
- XML to JAXB Object
- XML to JSON
- XML to Object
- XSLT

https://www.mulesoft.com/resources/esb/open-source-soa

RTS Radio Télévision Suisse

SRG SSR

Why this talk ?

- **Share this approach**

- **Find other broadcasters using Mule ESB or similar**
  - Exchange developments, experiences, best practices

- **For manufacturers: We need more good Open API's !**

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