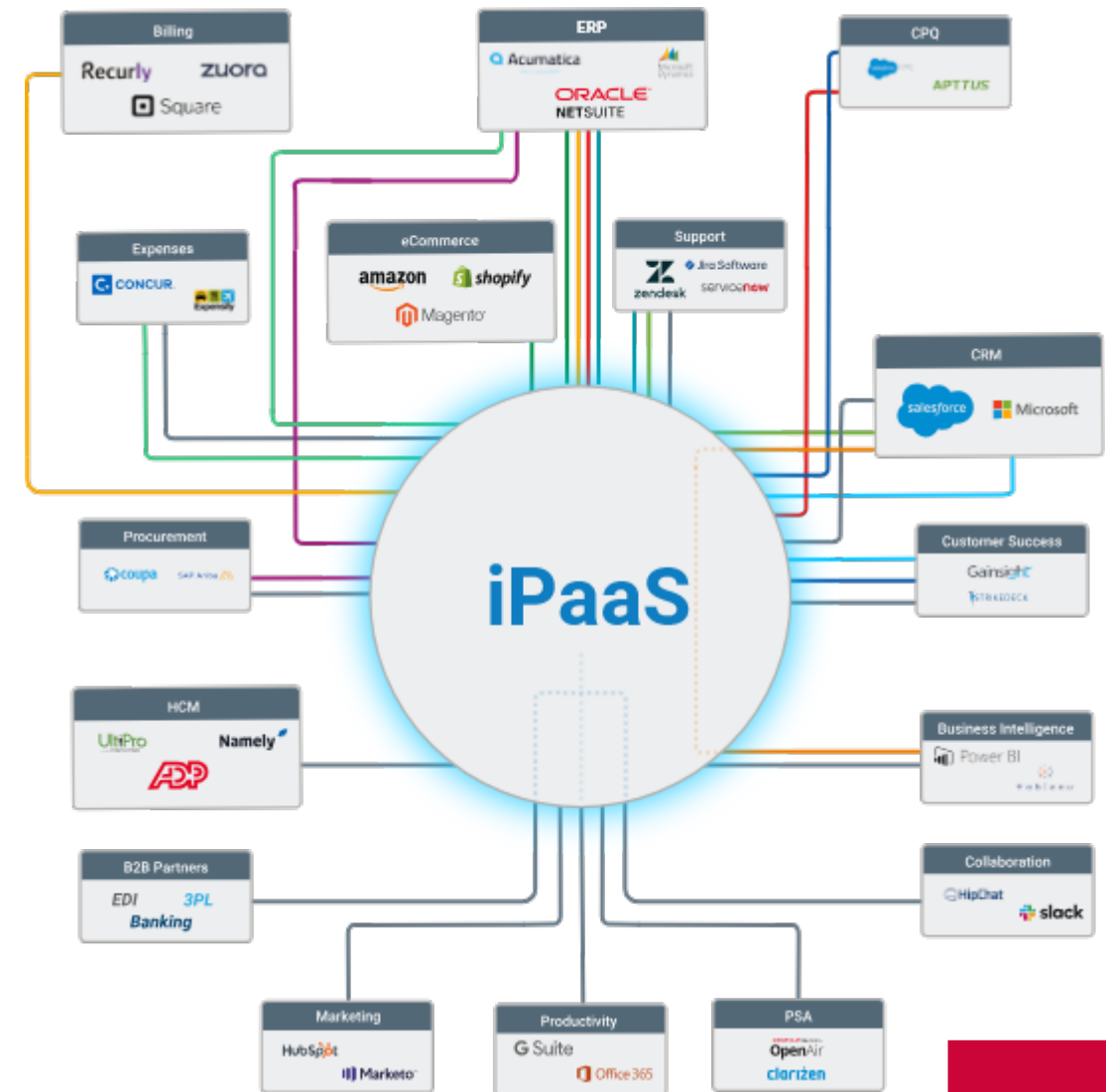


N things I hate about the platform I love

Owain Young & Alexey Protasov

What is iPaaS?

- Integration Platform as a Service
- A suite of products for development, execution and governance of integration flows



Celigo

Why iPaaS?

Simplified, scalable integration

Single technology

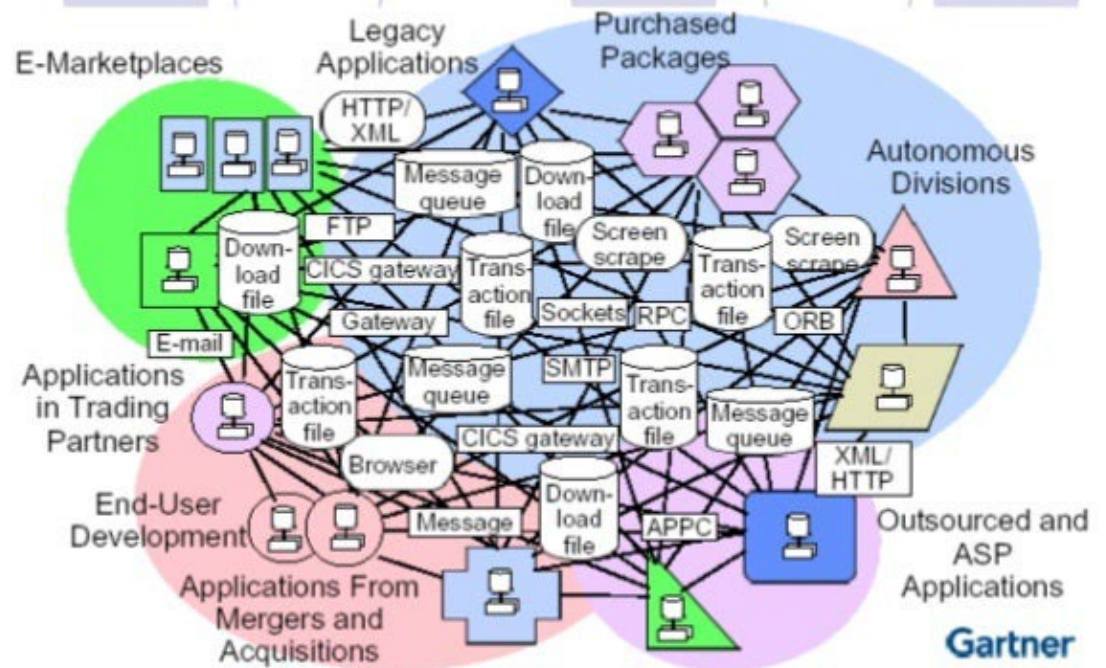
Single strategy

Governance

Reliability

Time to market

Integration Spaghetti



Source: Gartner Research

Options

Azure Components

Boomi

Mulesoft

Why we chose Mulesoft



Design first approach



Unit testing capabilities



Architectural fit

Why IPaaS? Preamble

- Many existing PTP integrations overdue for revision
- Big-scale digital transformation project (HR in the cloud) in Feb 2020
- Required an integration with on-prem systems
- Went with a temporarily solution proposed by our SI partner due to time constraints (JusTransform middleware)

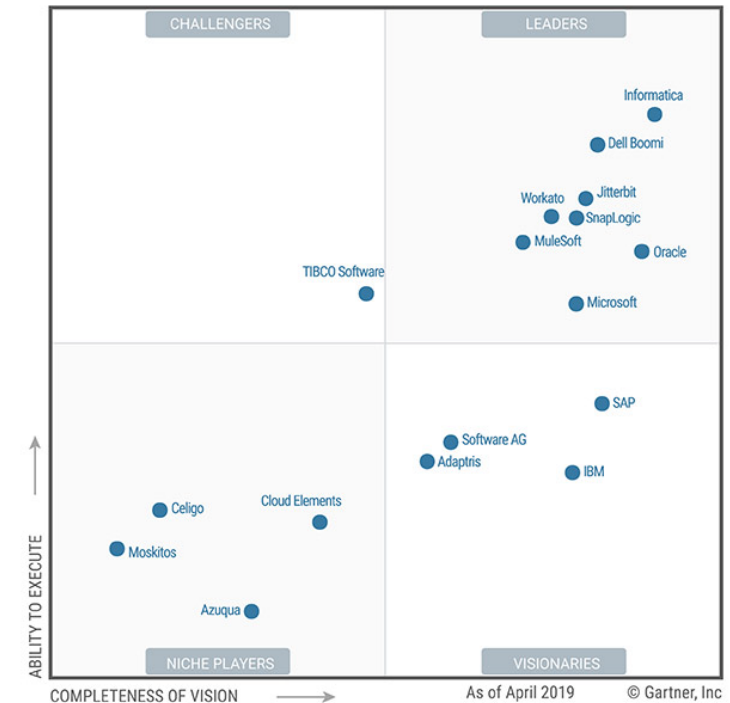
Why IPaaS?

- Streamlined, scalable, agnostic integration platform
- Cloud-based as per digital strategy
- Monitoring capabilities
- Governance and security
- Reliability
- Single technology
- Time to market

Procurement (2020)

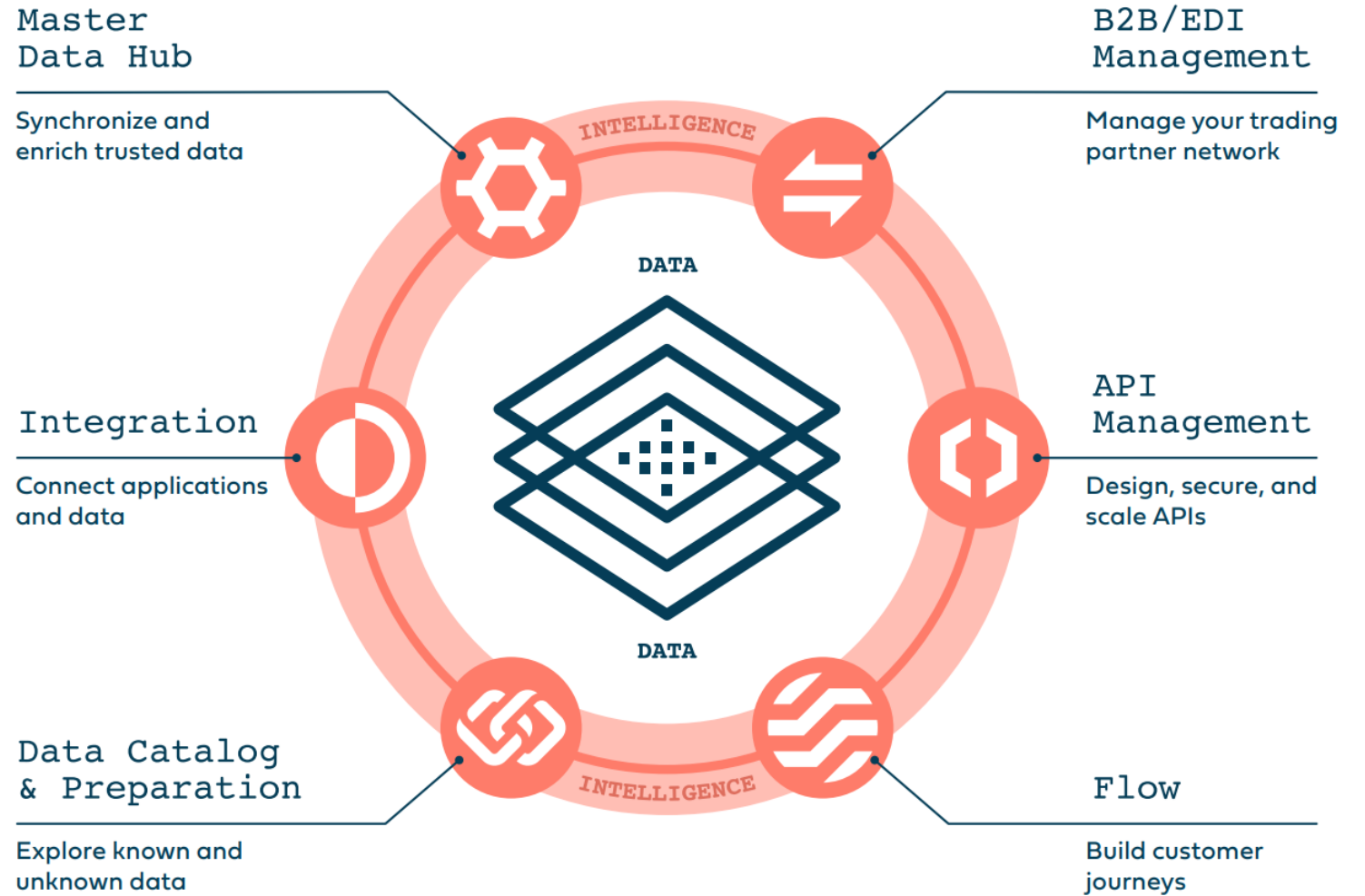
- 3 contenders
 - Oracle OIC (tight integration with Oracle Fusion)
 - Informatica (market leader)
 - Dell Boomi (another market leader)
- PoC
 - Informatica
 - Dell Boomi (winner)

Figure 1. Magic Quadrant for Enterprise Integration Platform as a Service

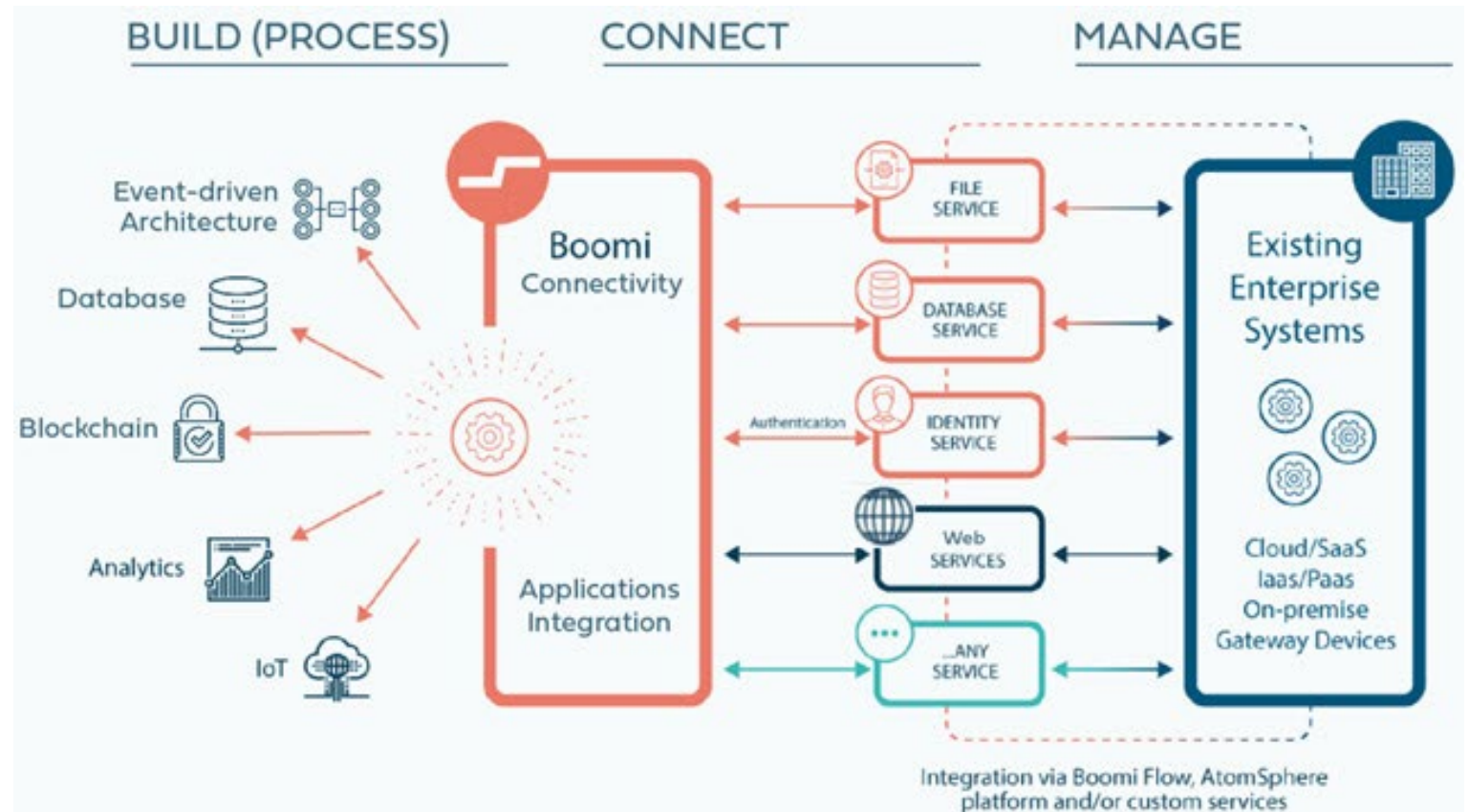


Source: Gartner (April 2019)

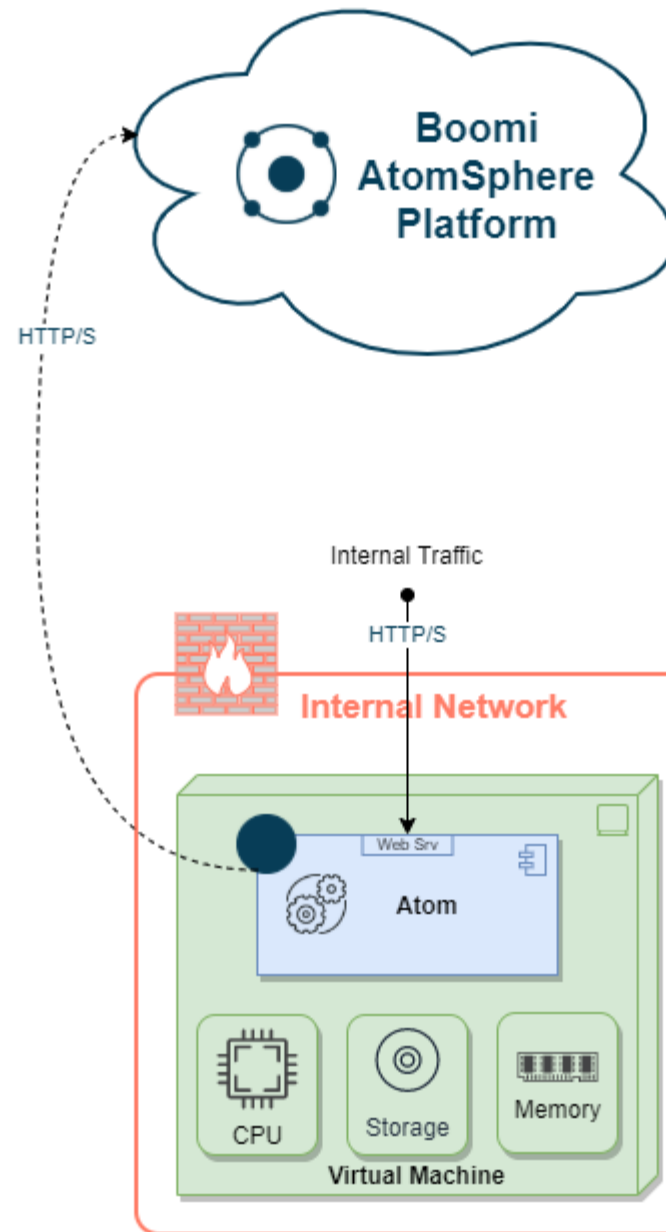
Platform Overview



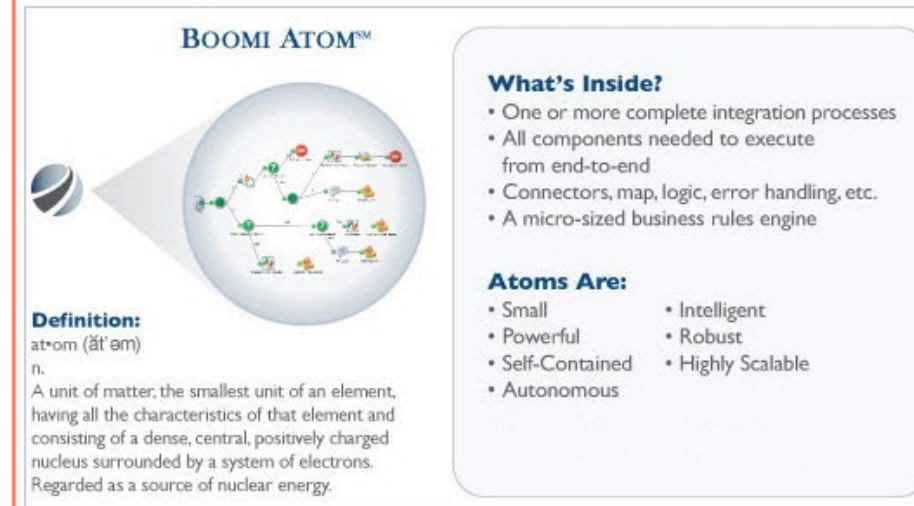
Connectivity



High level architecture



Atom – a single tenant, single node runtime engine



Integrations landscape

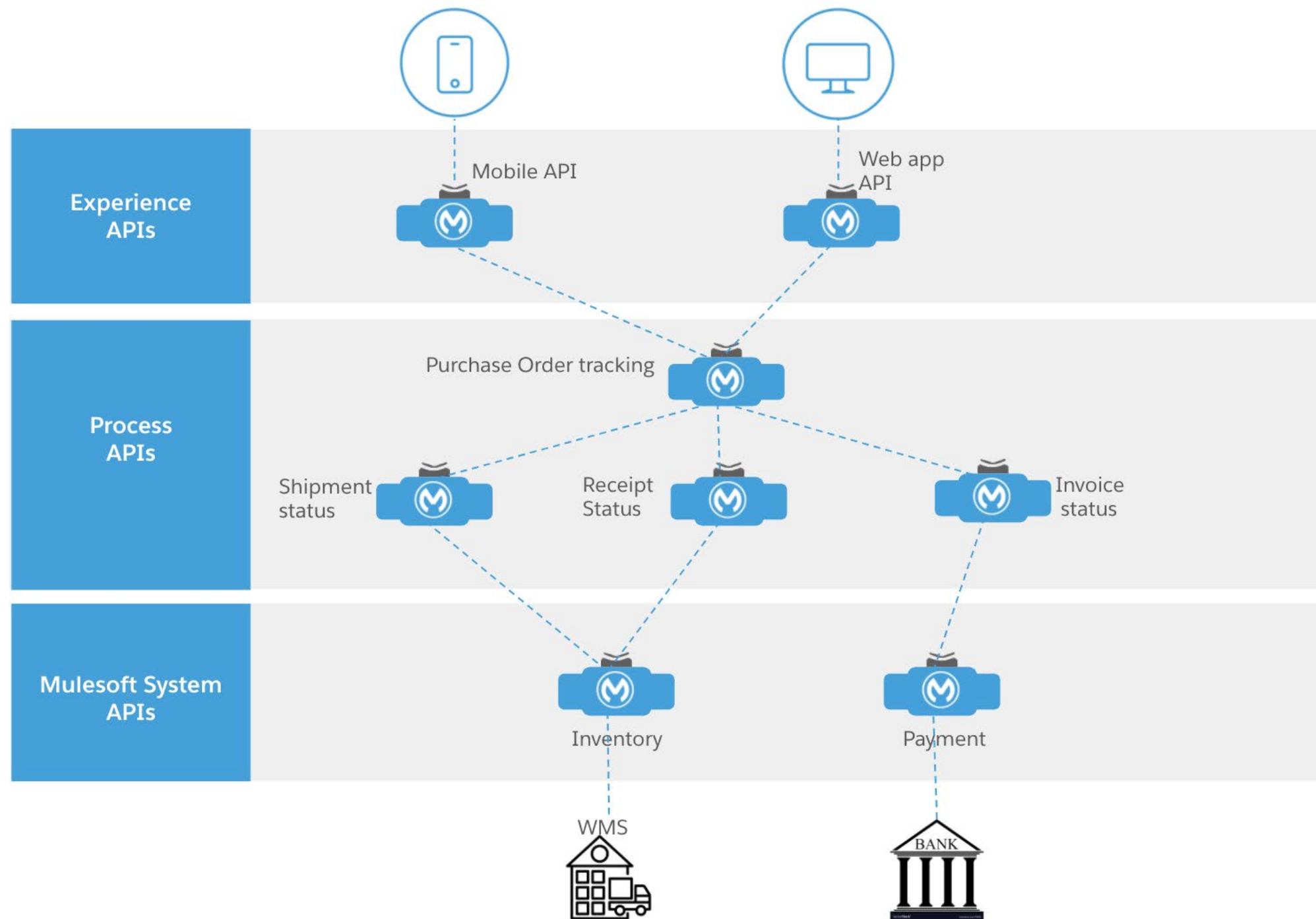


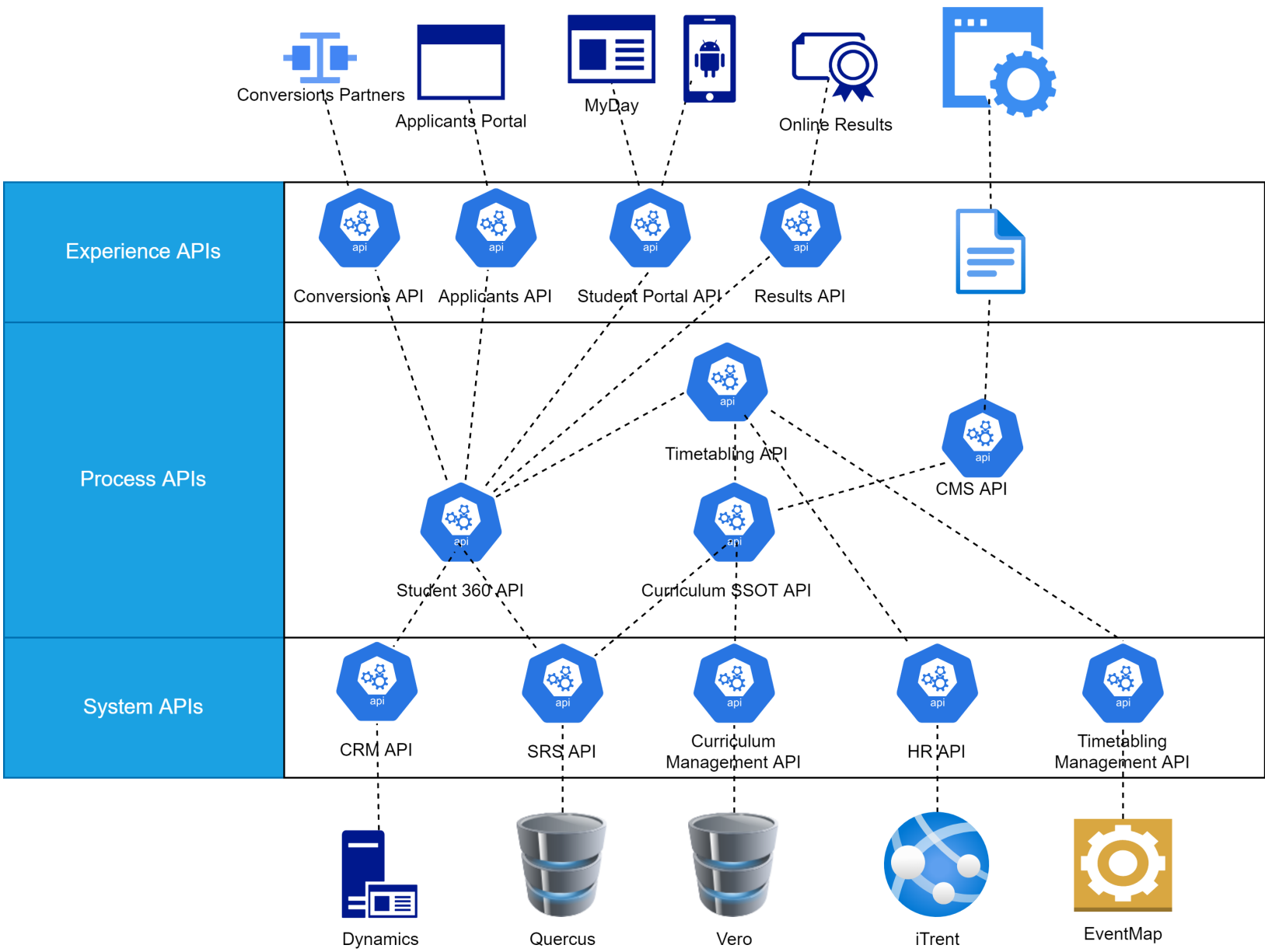
(to be reimplemented)



Identity Management
(to be reimplemented)







Positives of Mulesoft

Ease of Use

Developer Experience

Connectivity Options

Release Management

Examples Library

Unit Testing

Customer support

Negatives of Mulesoft



Networking



Billing



Learning curve



New features cost extra

Positives Boomi

- Ease of use (drag and drop, point-and-click UI)
- Connectivity capabilities and library of prebuilt connectors
- Flexible pricing model
- Version management and rollback functionality
- Environment extensions and cross environment deployment
- Monitoring functionality
- Regular updates with adjustable release date (11 a year)
- Great training materials and community support
- Special features (Boomi Suggest, Boomi Assure, Boomi Resolve)

Negatives Boomi

- Not-straightforward way of combining multiple data sources
- Test mode limitations (100 documents or 10Mb of data)
- Quirks specific to some connectors
- Most recent icon set (everything looks the same)
- Used connectors count with multiple atoms per environment (x N atoms)
- Some data processing scenarios can be challenging
- Feature limitations for options below Enterprise level
- Other platform tools are extra (MDH, Flow, API Management)



Challenges Lessons learned

- Resourcing
- Impact of cyclical workloads specific to HE sector
- Project management is a must
- Business engagement from day one
- Clear understanding of AS IS vs TO BE processes
- IPaaS won't solve all your problems

Comparison

MuleSoft

Repurposed legacy on-premises integration software

Multi-instance, single tenant

Multiple complex products

Complex to use – Developer and Code centric

Manual upgrades, multiple versions

High TCO

Few customers

Core based pricing

Lack of multi-tenant capabilities

Boomi

Designed and built for SaaS

Single instance, multi-tenant

Single integrated product suite

Simpler to use – Citizen Integrator centric

Automatic upgrades, single version

Lower TCO

Many customers

Connection based pricing

Comprehensive multi-tenant capabilities

Conclusions



It's a case of
specific needs

Each is better at
different things

Do PoCs and see
which you prefer
working with



Any questions?

Thank you