

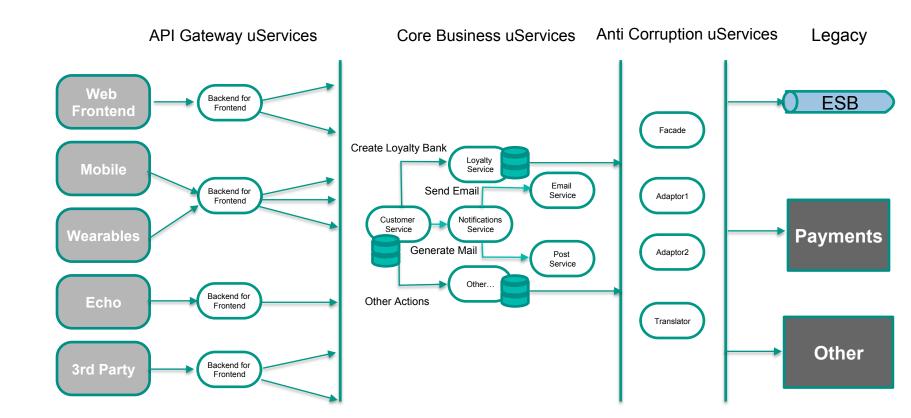
Legacy



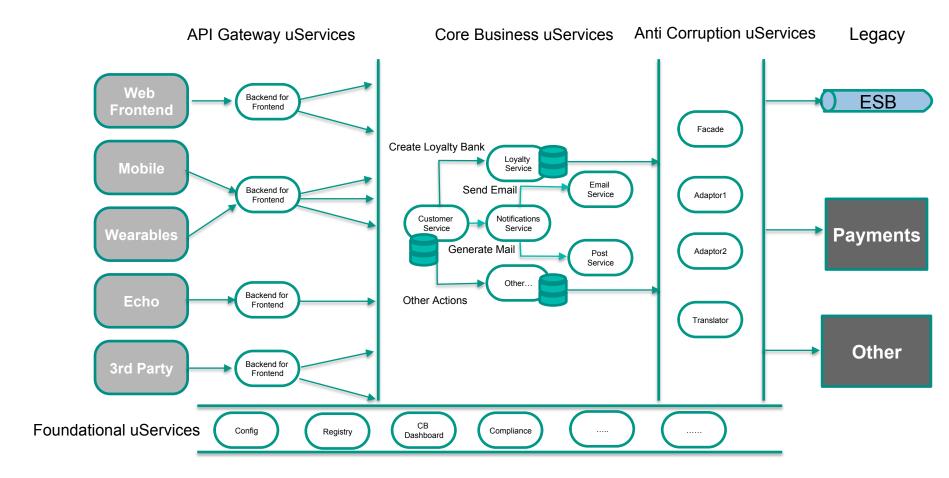




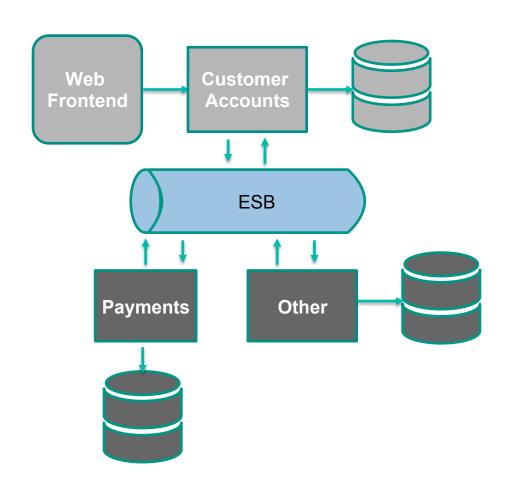


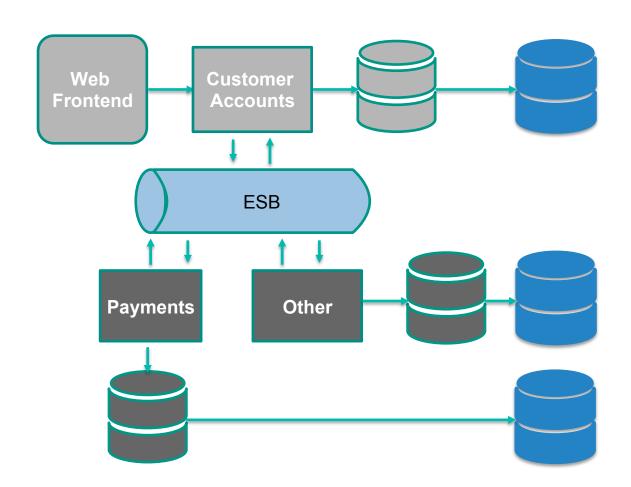


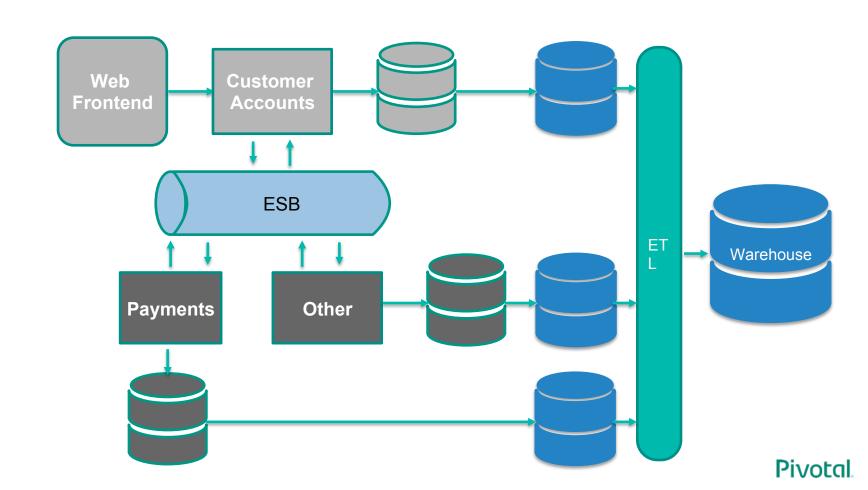


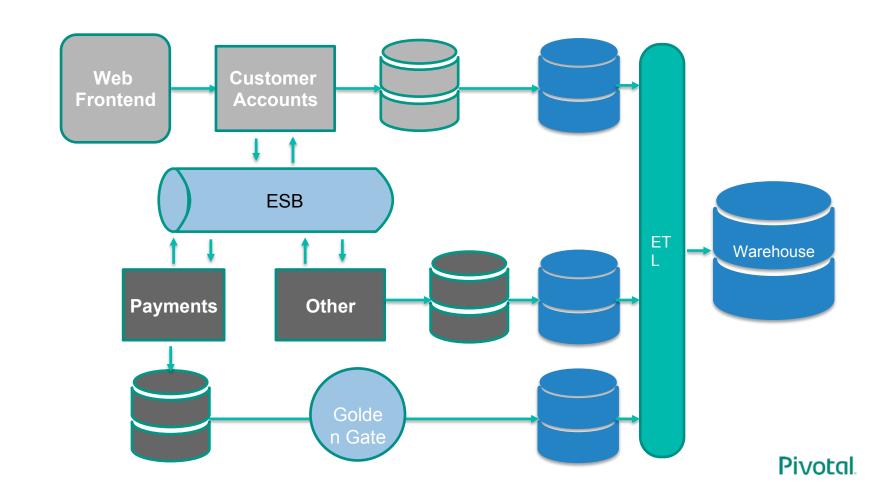


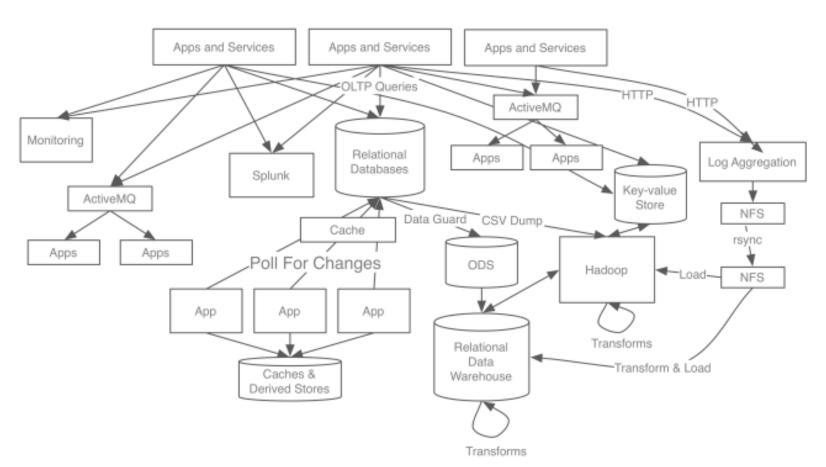




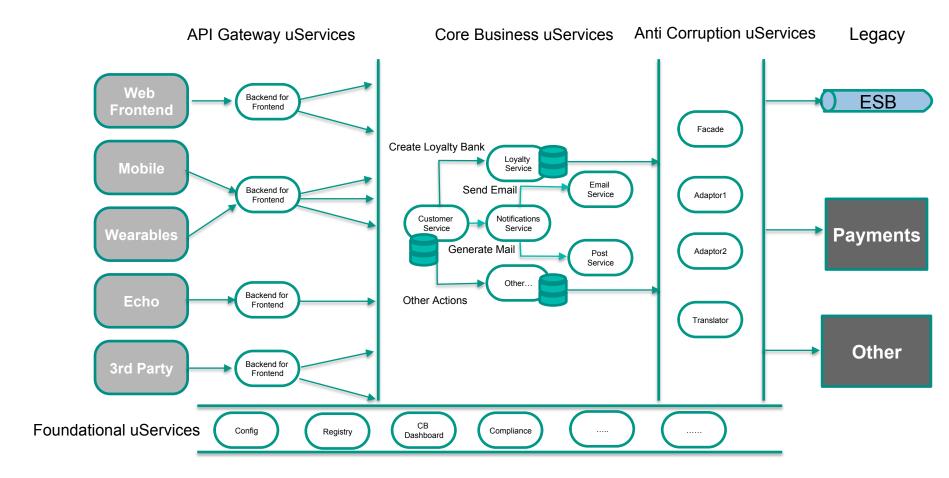




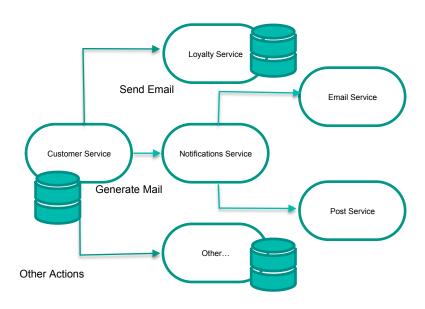




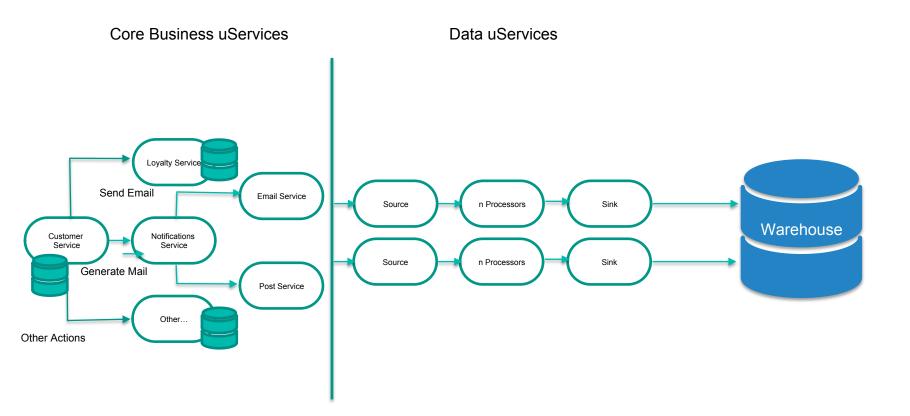






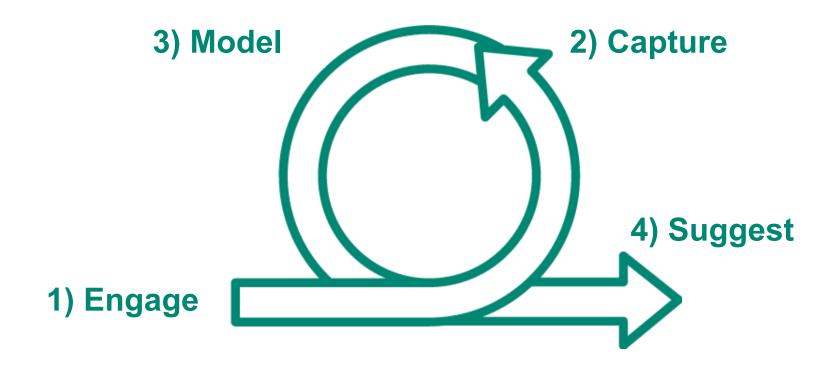


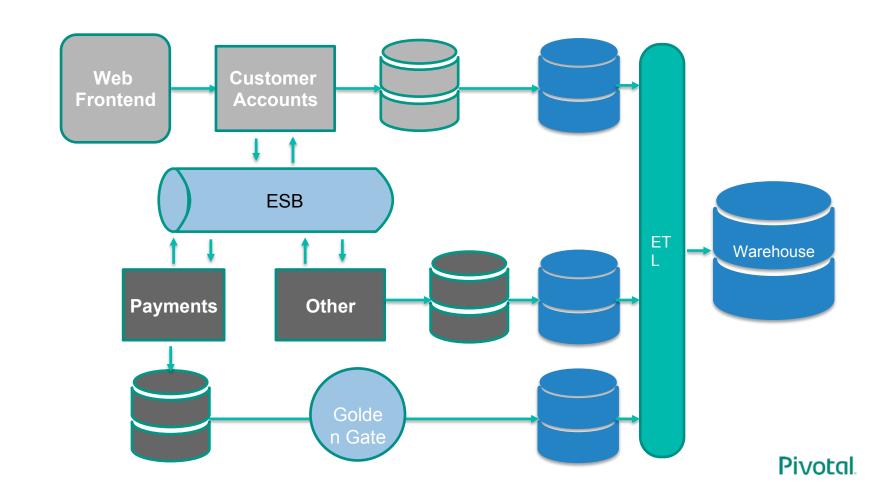


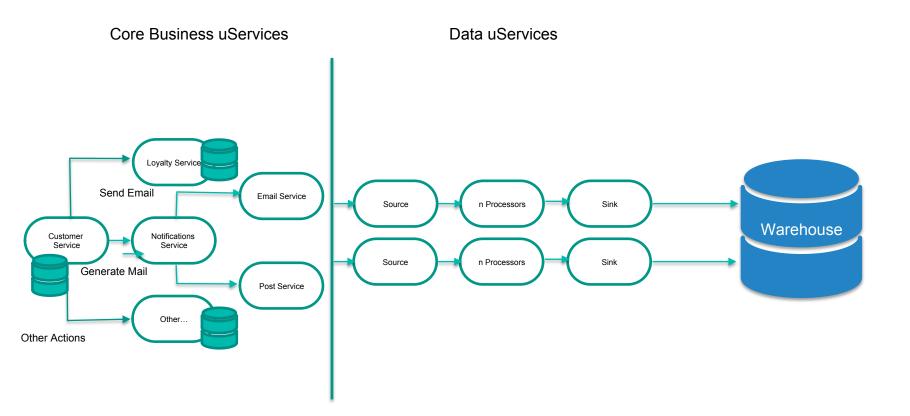




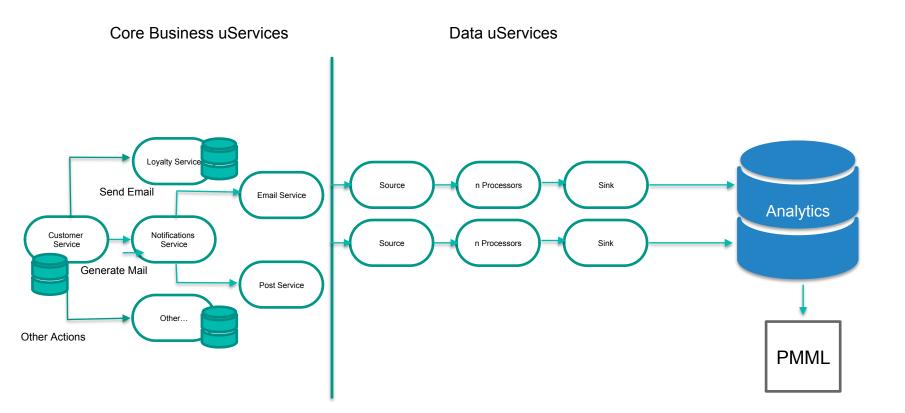
What about Smart Apps



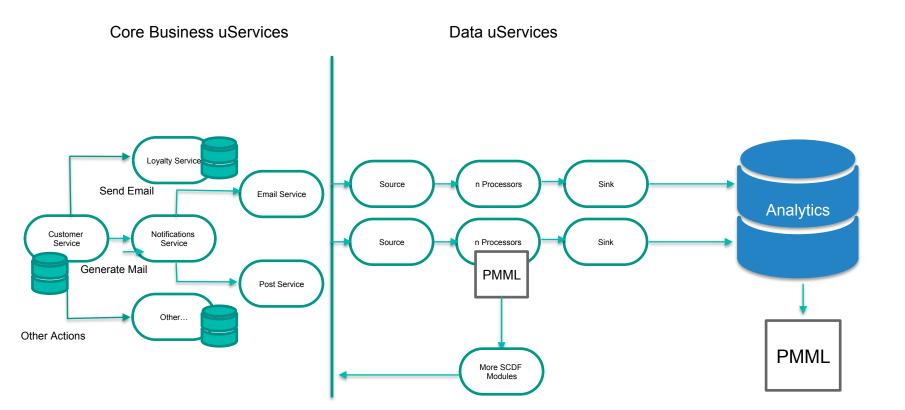




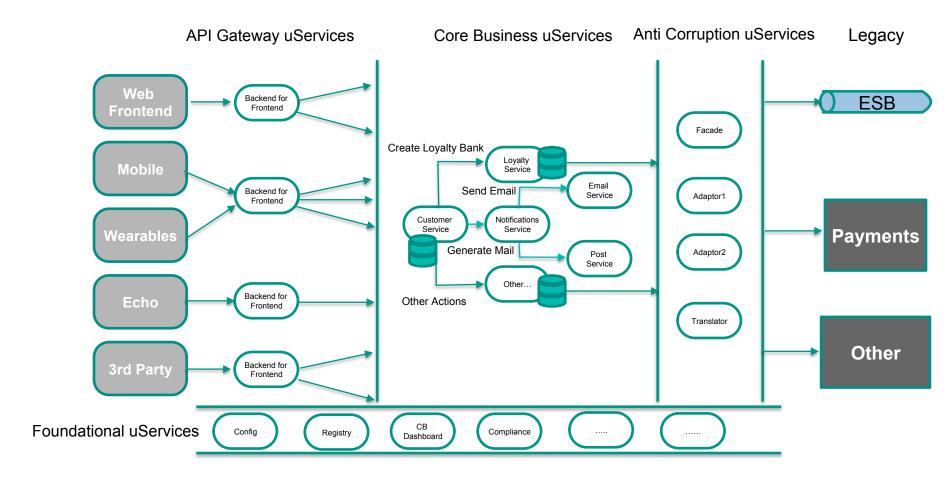






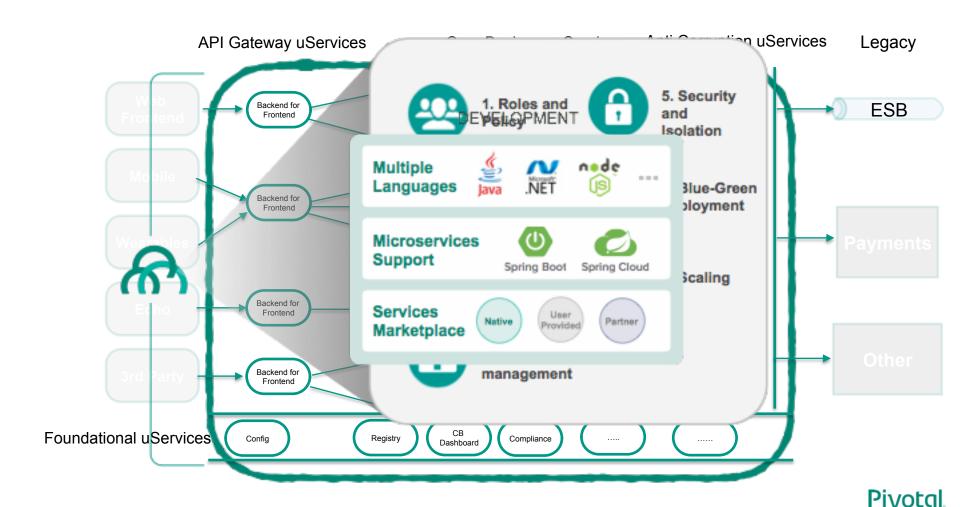


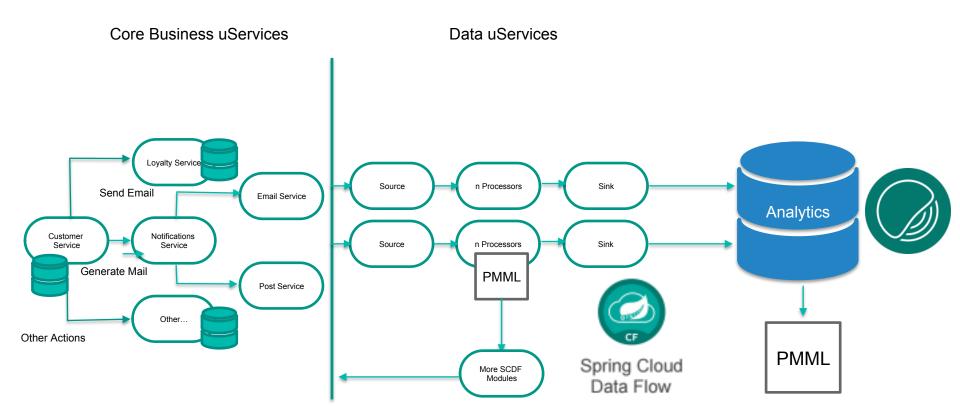




How do we help????









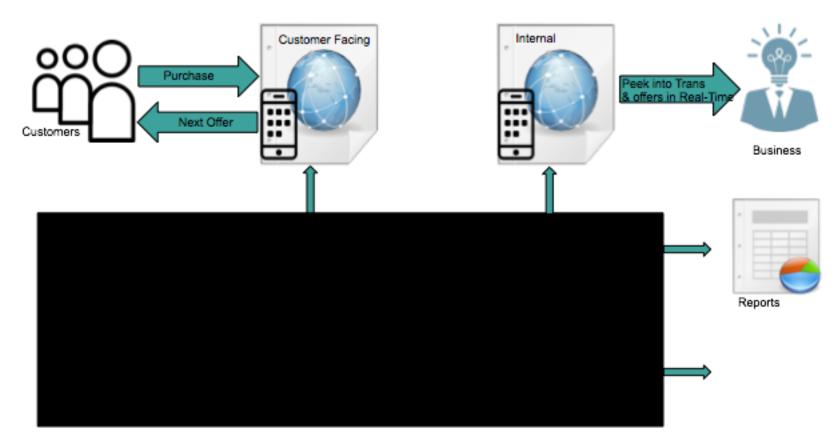
Other Considerations

- API / Service Versioning
- Documentation
- End to End Testing
- Organization
- Roles

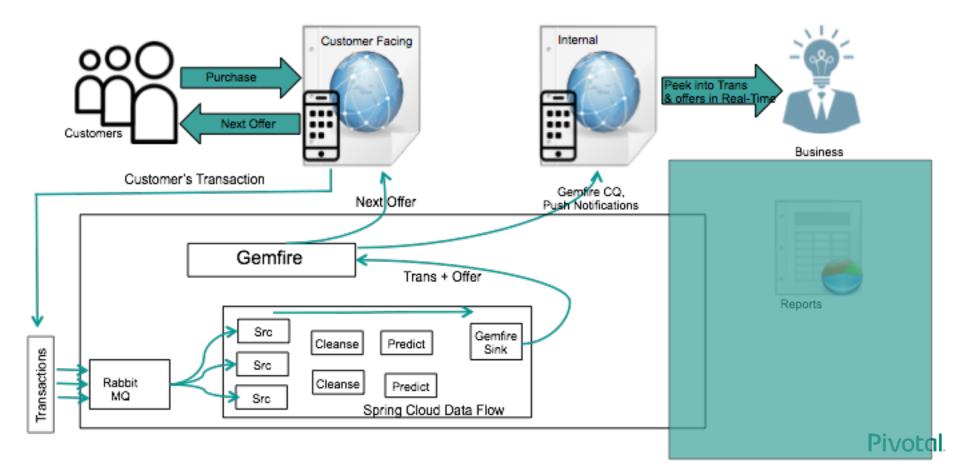
Summary

- Microservices Benefits
- Persistence
- UI Interaction
- Legacy Integration
- Common Concerns
- Data Processing
- Pivotal

Synchrony Next Likely Purchase

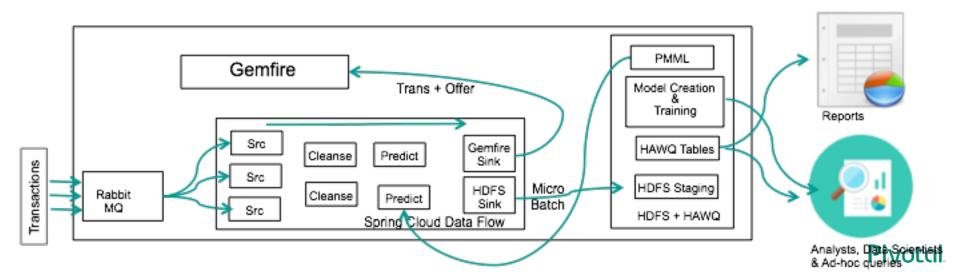


Synchrony Next Likely Purchase

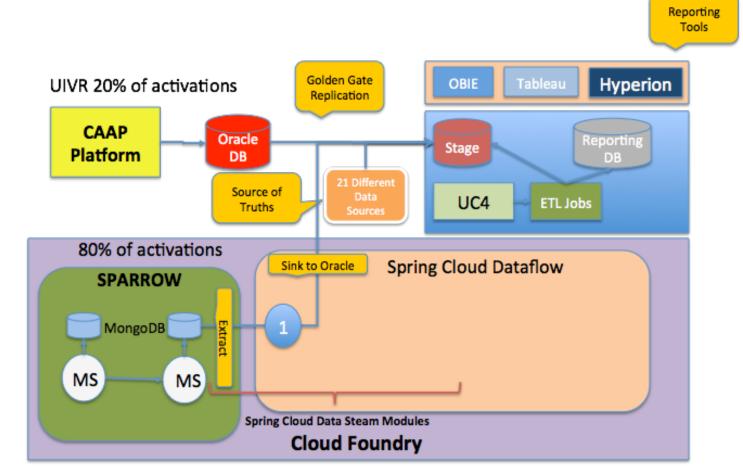


Synchrony Next Likely Purchase



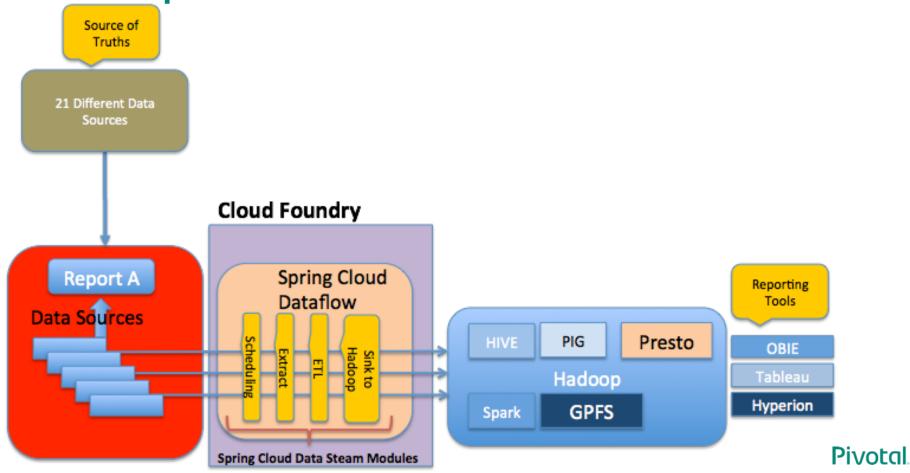


Comcast Sparrow





Comcast Sparrow



Why should you care?

- Data Microservices:
 - Consume Al's
 - Drive BDS Sales
 - Show Thought Leadership around Data

What kinds of things do they do?

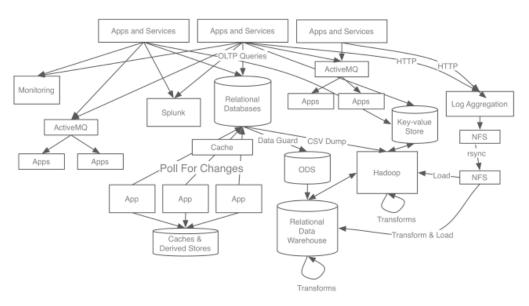
- ETL (differs from old school ETL)
- Predictive Model Operationalization
- Stream & File Processing
- Event Driven Architectures (RMQ, Kafka)
- 'Brings computation closer to the data'

How do you sell it?

- 'BI is Dead' Frank Buytendjik, Gartner March 2016
 - We can provide a path forward for BI/Analytics Groups
 - We can make them look smart and forward thinking
- Ask the customer how they intend to make their apps smart
 - Do they have a plan?
 - How is the data going to get used to make the customer experience better?
 - If large amounts of data in play can they handle it with existing systems?
- Try to uncover difficulties in connecting to the data warehouse 'Monolith'
 - Development times around EDW/EIM match those of application monoliths we're decomposing all the time



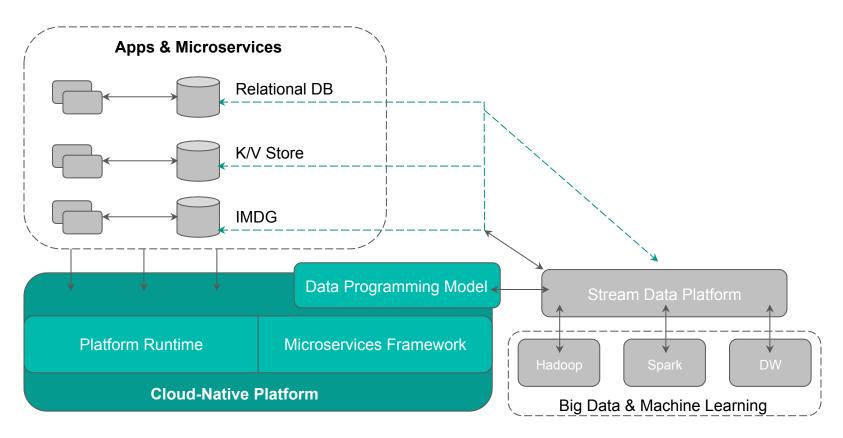
Today's Enterprise Challenge



- Silo'd and aging database systems
- Spaghetti data pipelines
- Expensive, proprietary data management systems
- Lack of structured platforms for continuous software delivery
- Monolithic application architectures
- Batch-oriented data integration
- Limited operationalization of analytics
- Proprietary systems

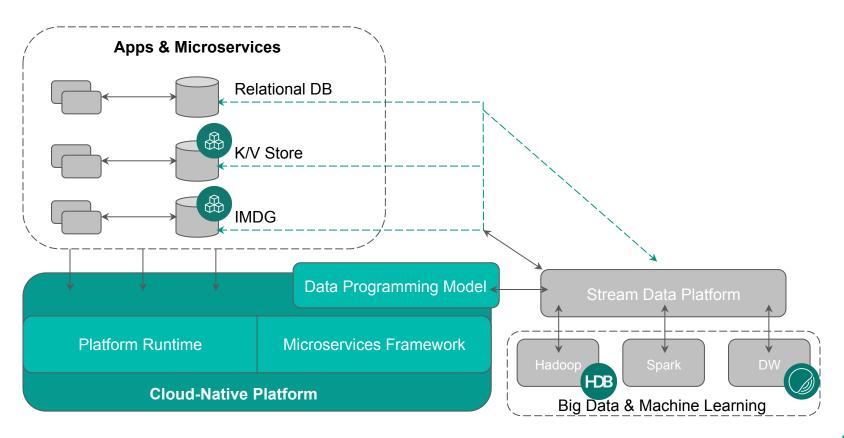


Modern Cloud-Native Data Architecture





Modern Cloud-Native Data Architecture





What's in the Pipe?

- Comcast
 - C
- Synchrony
 - _