

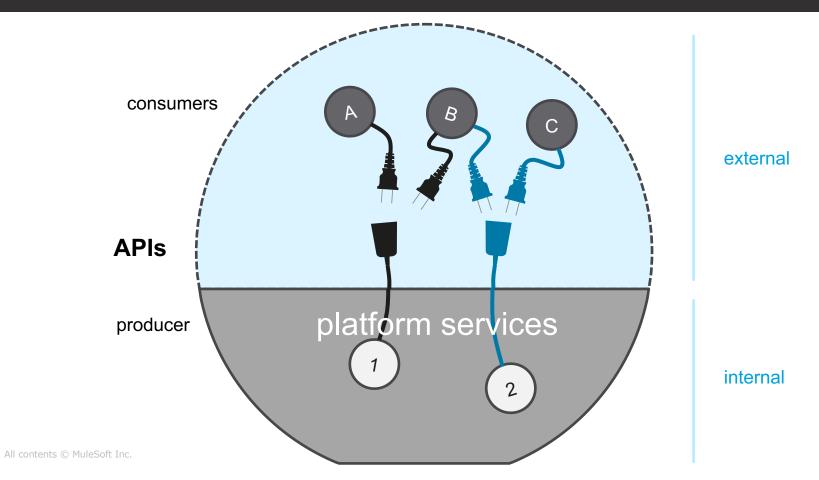
A blueprint for digital platforms

Uri Sarid, CTO, MuleSoft July 13, 2018

Twitter: @usarid @MuleSoft

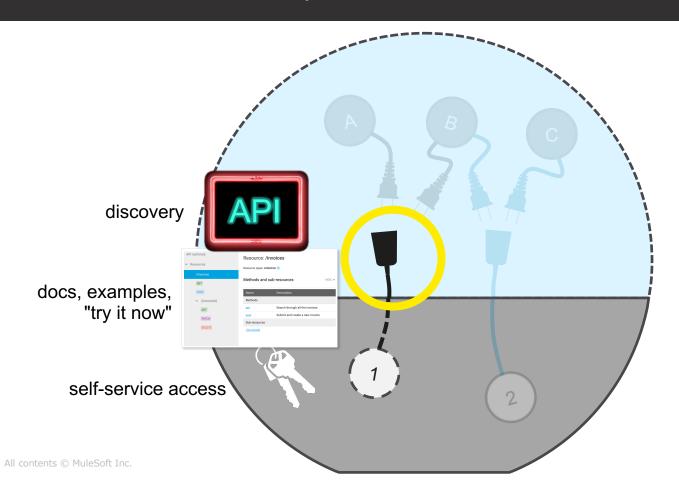
Platform?





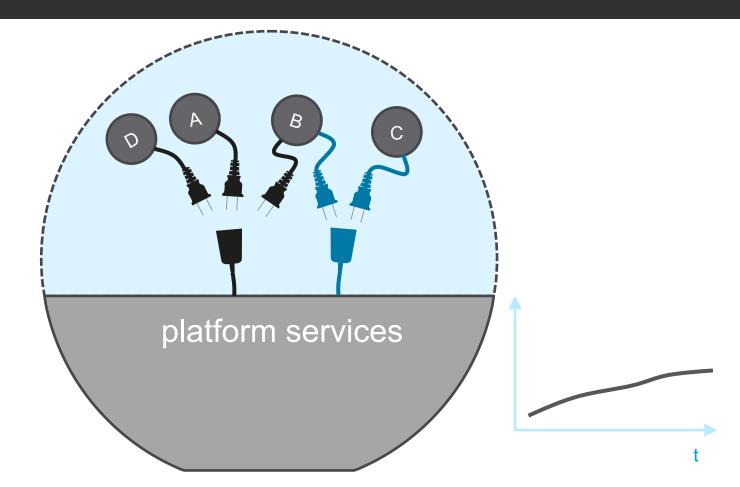
Self-serve: API as a product





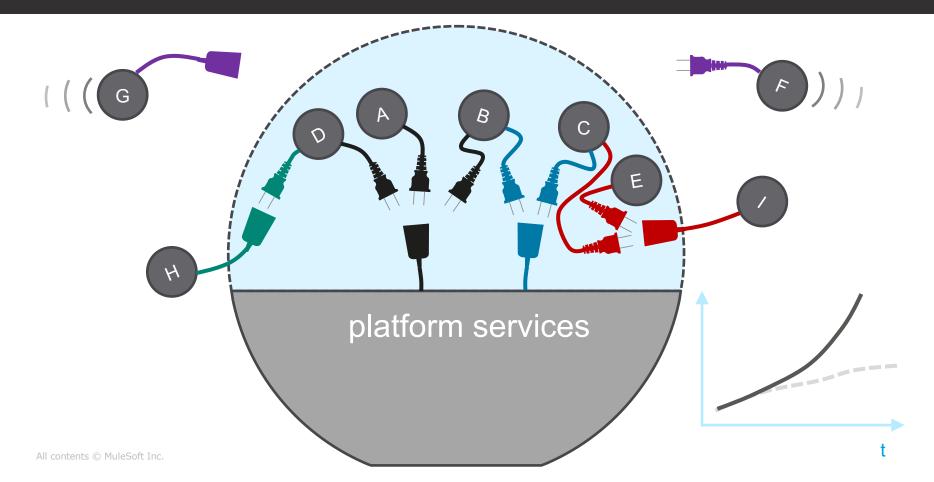
Not a platform (by our definition)





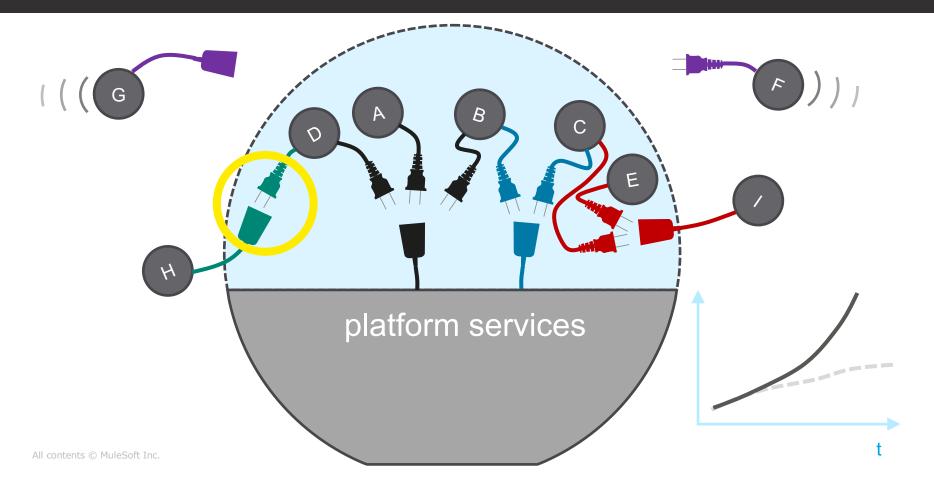
True platforms accelerate via **network effects**





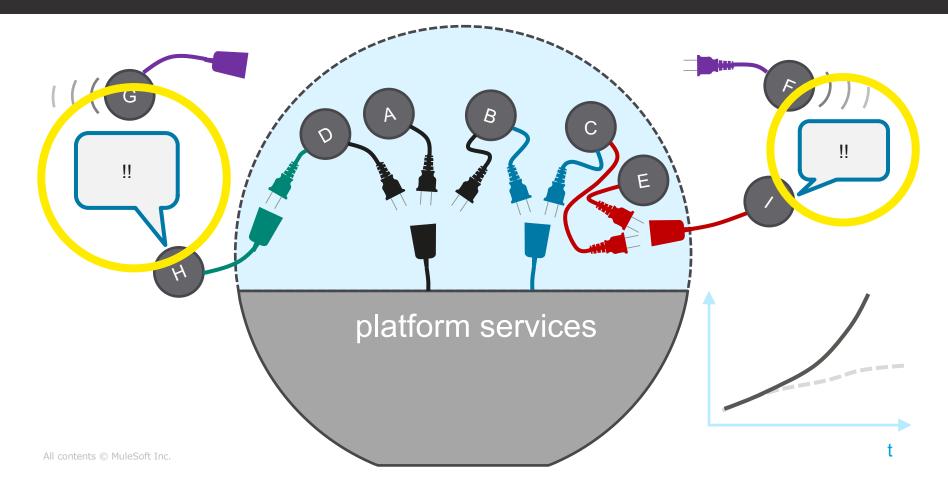
1. Compelling value proposition(s)





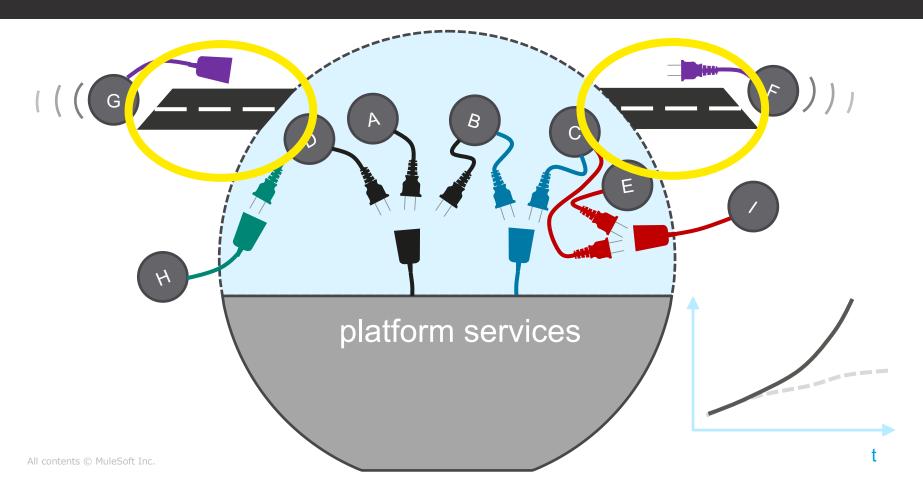
2. Ways to communicate the value





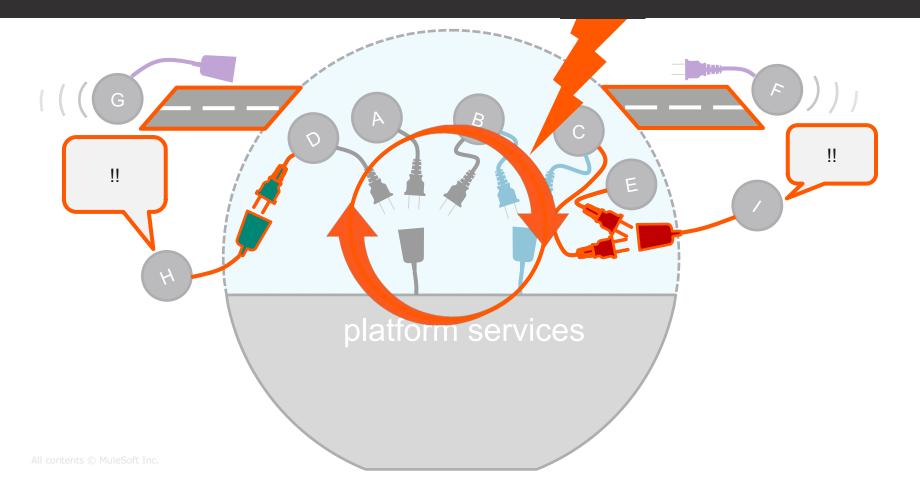
3. Paved roads to onboarding





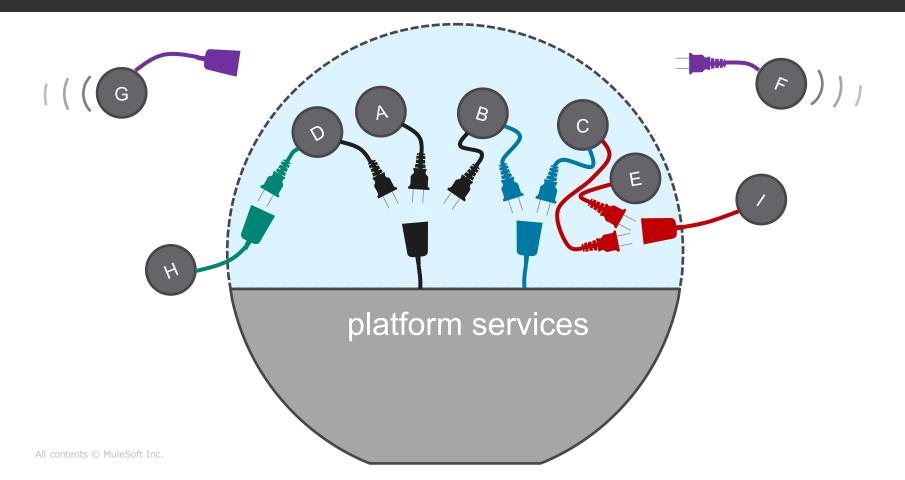
4. The spark to get the flywheel goin





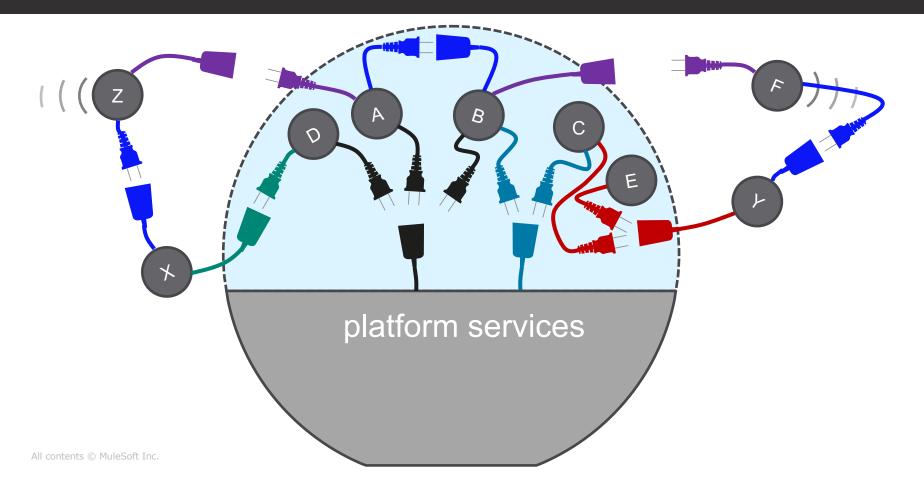
Self-sustaining ecosystem; organic growth





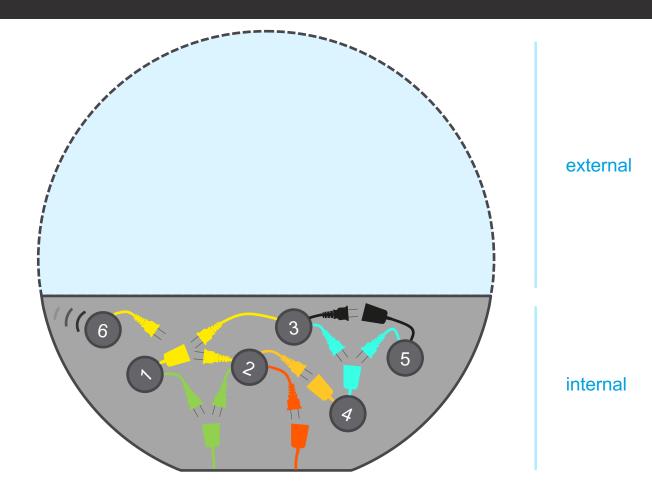
When consumers are also producers





Internal platform ecosystems

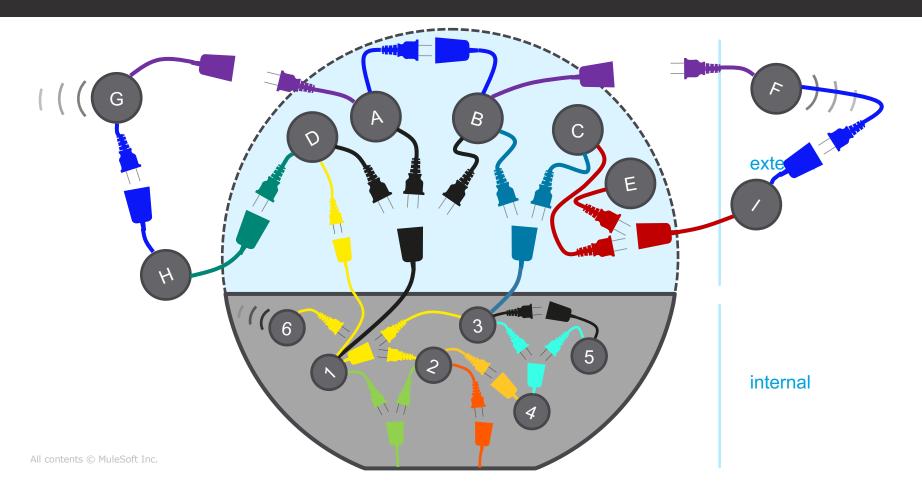




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Coupled internal + external platform ecosystems





Platform companies





A digital restaurant platform for innovation and execution agility



A customer experience digital platform



Building a consumer-centric digital platform to connect with customers



An experience-focused global platform for car rental



An immersive content platform



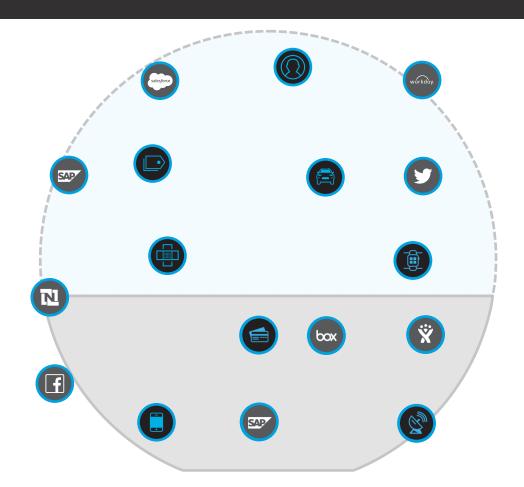
A platform of platforms

How?



How? Consider the application landscape...

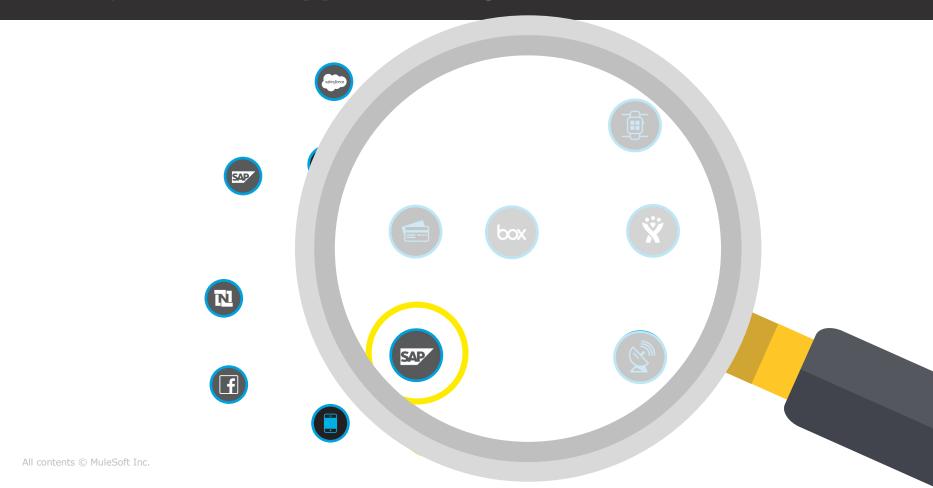




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Example: offer a **supplier management** service

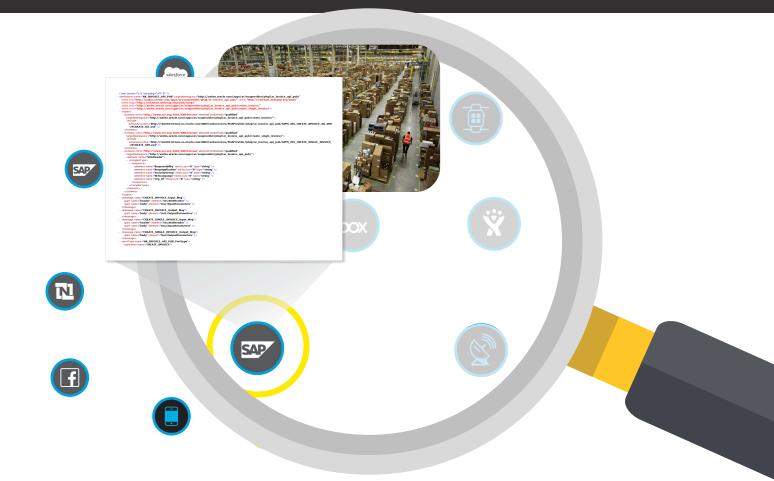




Instead of exposing your internal API...

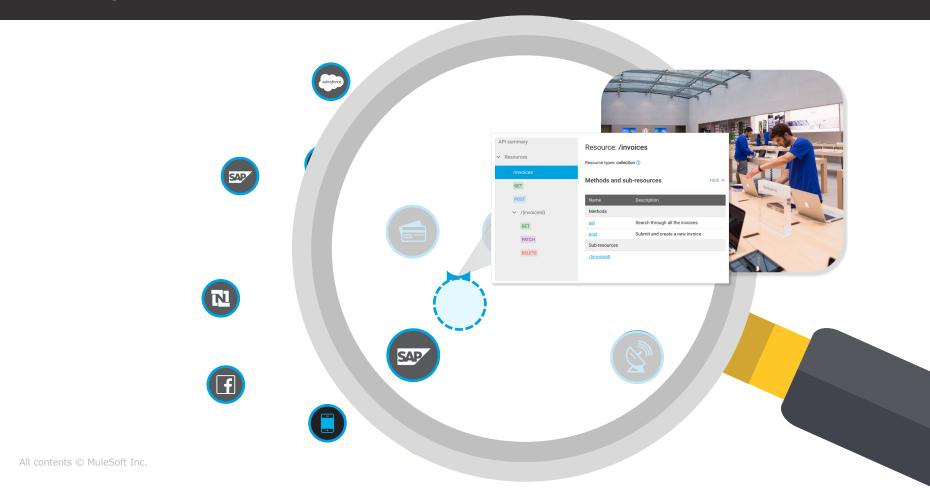
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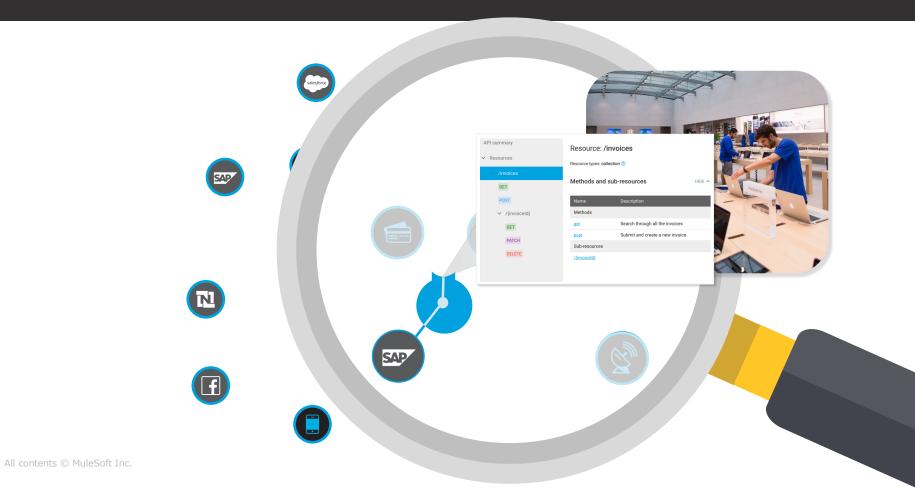
...design a consumer-oriented API





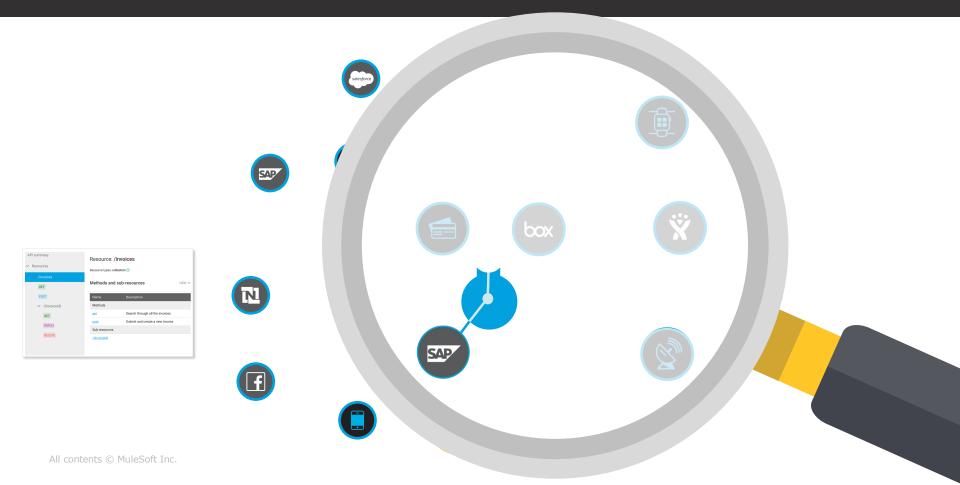
Build that API





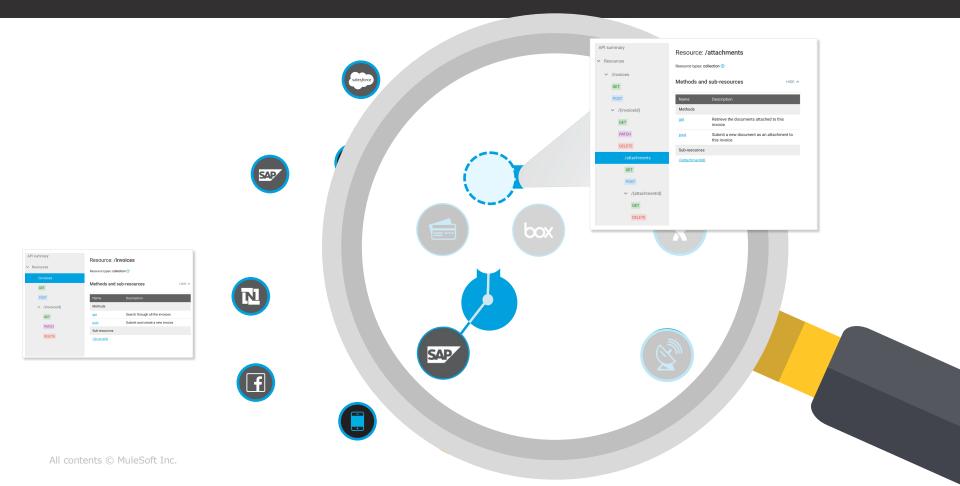
The supplier management **API product**





How about a **richer** supplier management product?





Build that richer supplier management **API product**



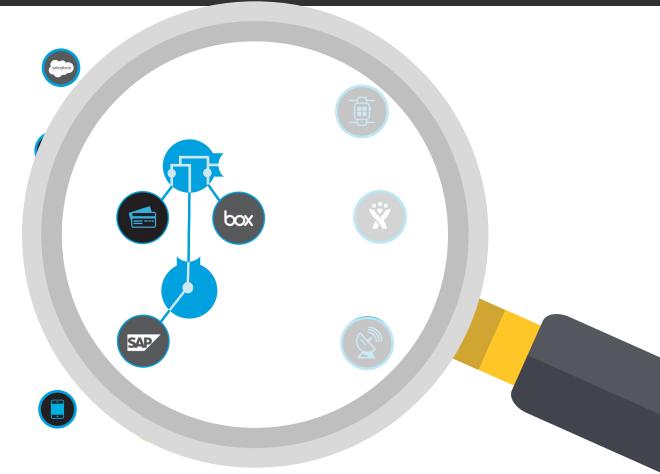












Innovate on these productized capabilities



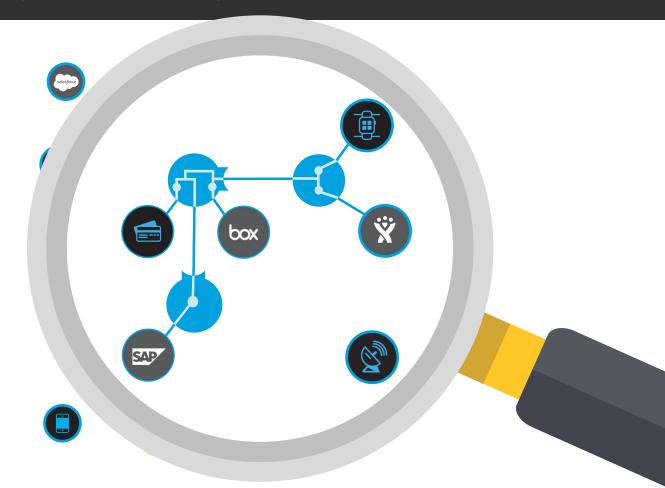








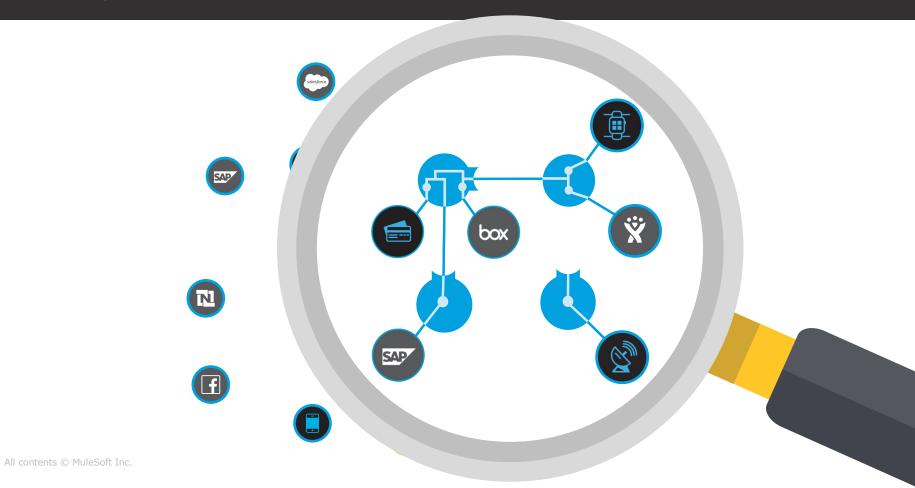




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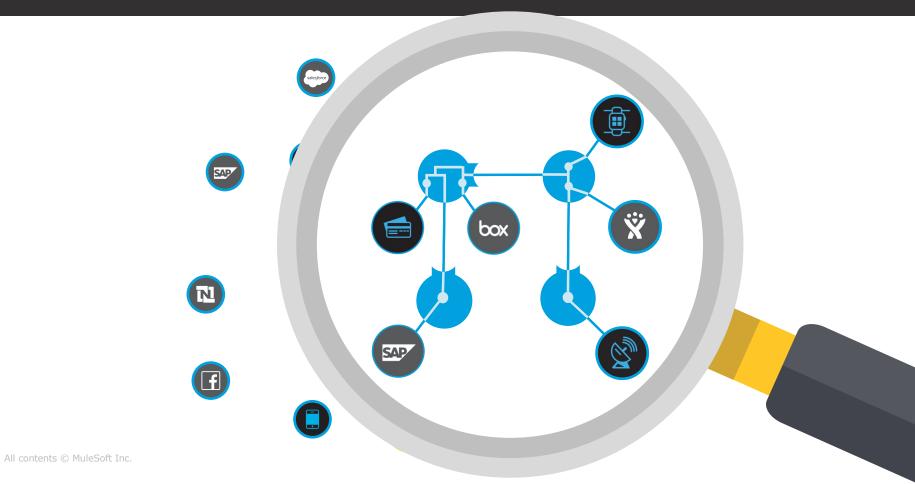
Other producers are attracted





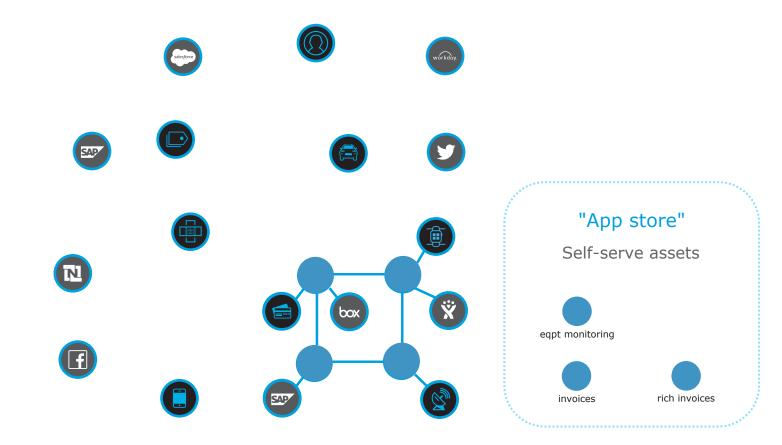
New partnerships arise easily and independently





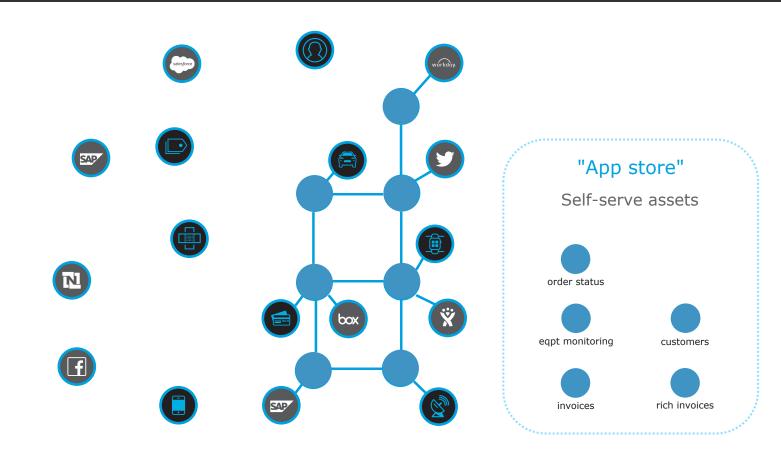
Every project creates reusable building blocks



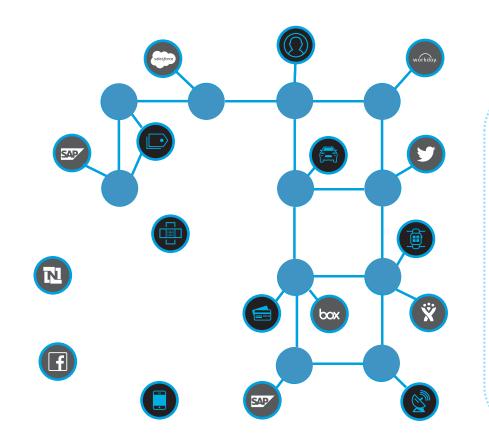


New projects reuse the blocks and add more



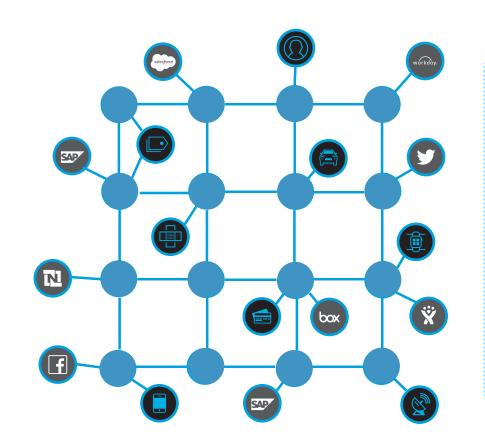






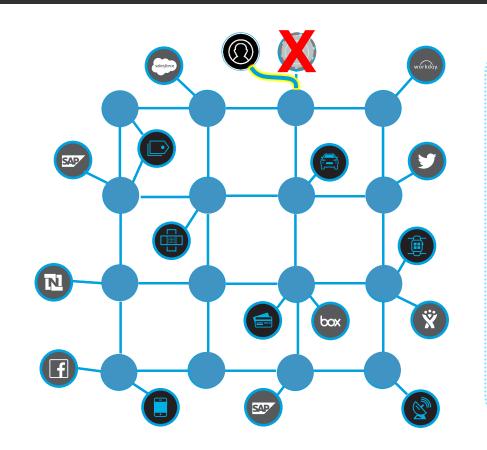






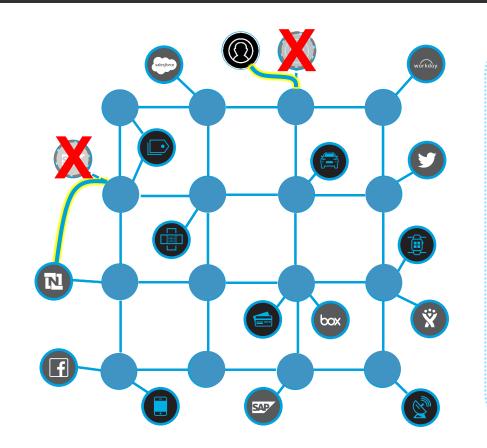








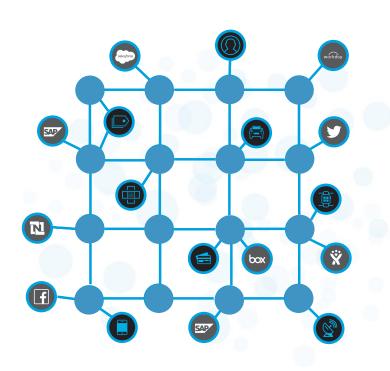






The architecture of a platform – and of the web





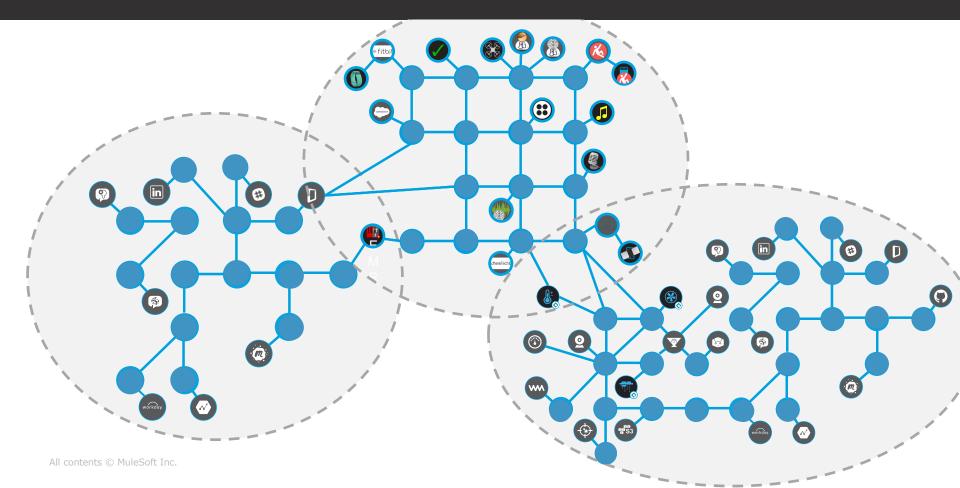
An application network:

- Emerges bottoms-up via self-service
- Provides visibility, security and governability at every API node
- Is recomposable: it bends,
 not breaks built for change

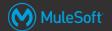
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Application networks are starting to converge





A global architecture for platforms





Graphs



Networks are also graphs

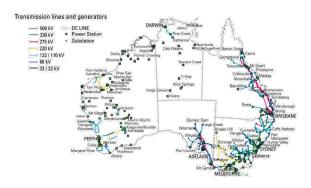




An Application Network Graph



A social network graph



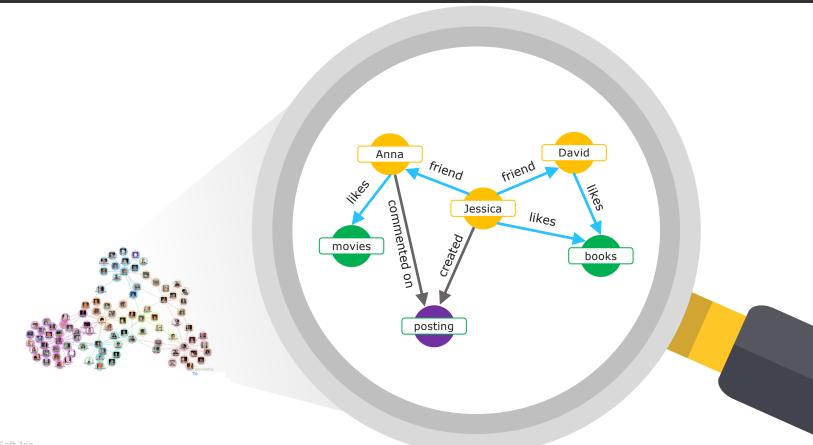
A power grid graph



The internet graph

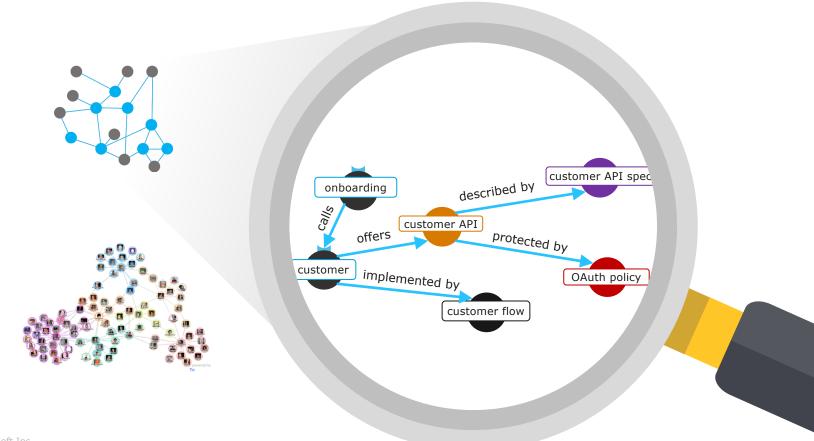
The social graph





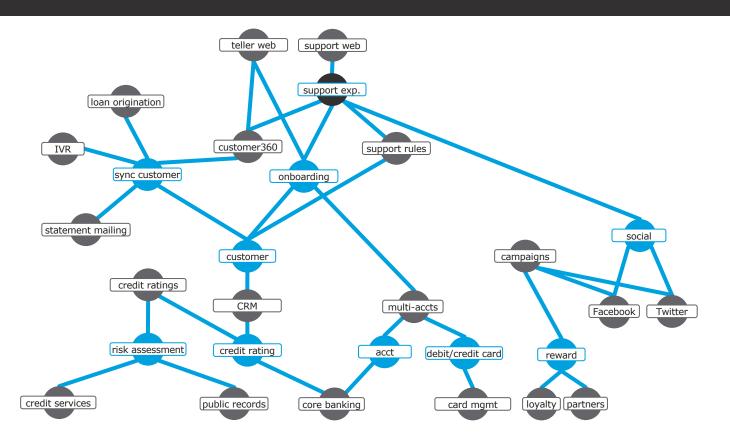
The topograph





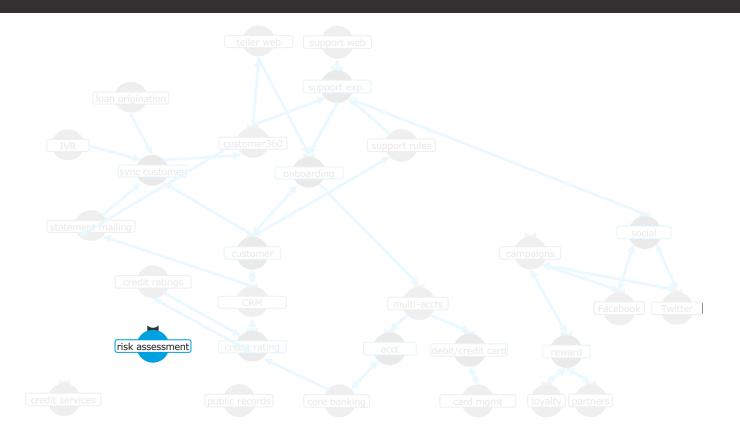
A typical topograph





Every application...

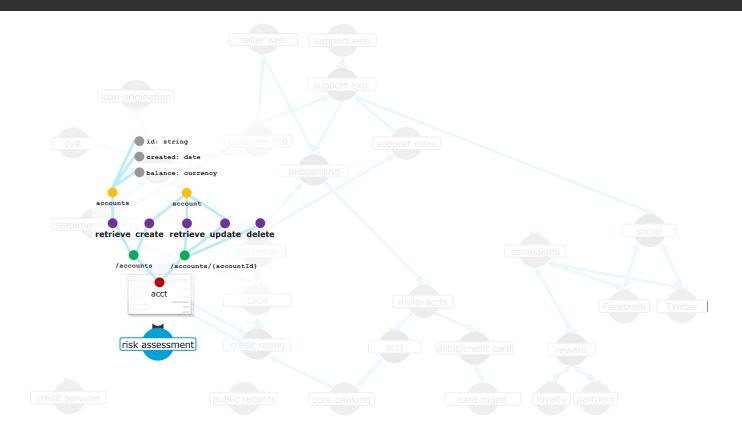




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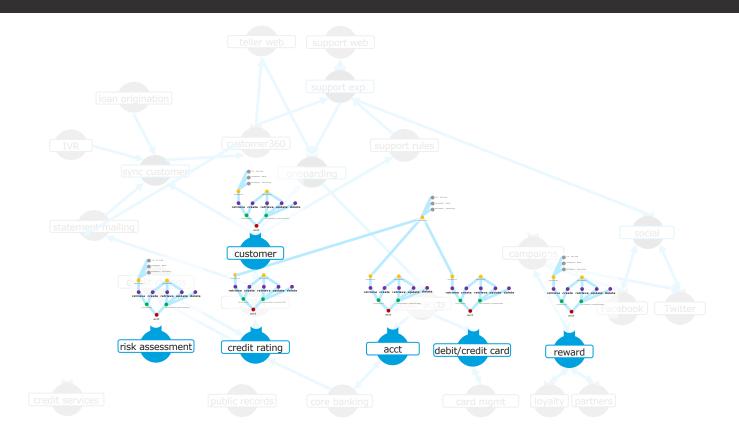
...exposes an API sub-graph





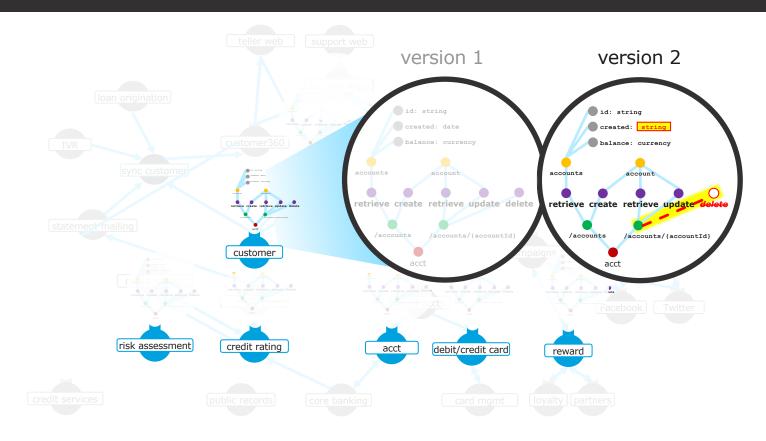
Are the APIs consistent?





Have they changed in a breaking way?

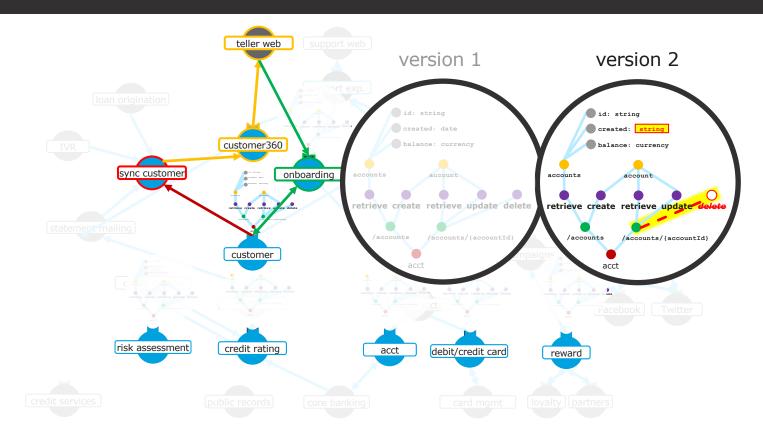




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Impact analysis

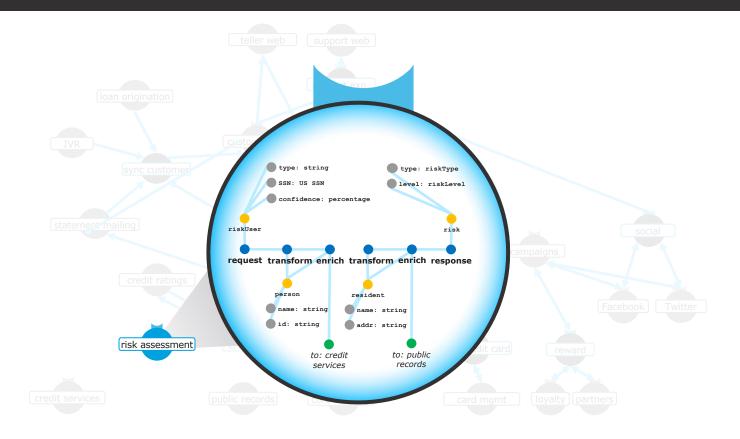




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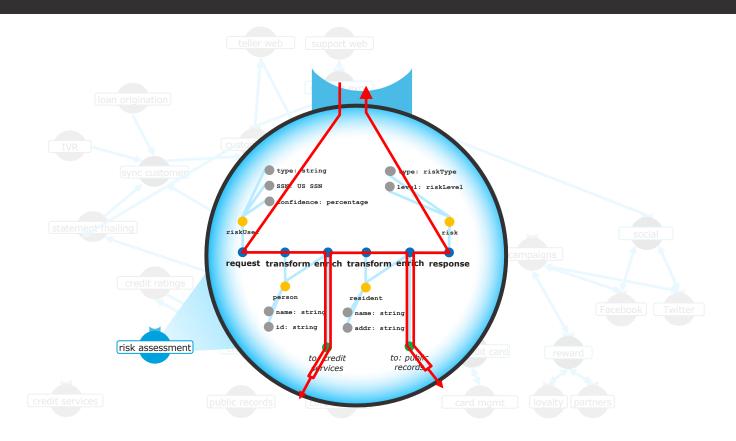
What's inside a (composite) application?





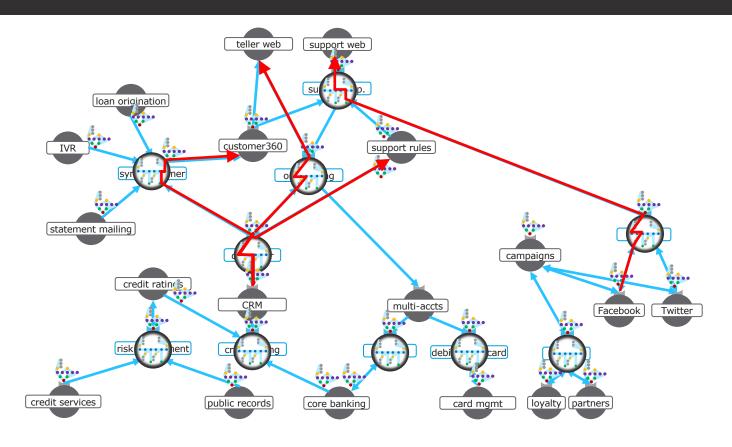
How is the data flowing?





How is it flowing across the application network?







Thank you!