

Research Life Sciences Cloud (RLSC): A Platform Strategy for Research

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Most Research IT organizations face a familiar set of challenges

Key Research Informatics Challenges:



How can these industry trends be extended to address the research informatics challenges?...

...We ran a feasibility study to examine the viability of an industry standard Research Lab Platform delivered in a precompetitive, shared model.

Key Industry Trends:

Emergence of precompetitive collaboration Acceptance of platform strategies Maturity of cloud and analytics solutions



RLSC – Feasibility Study



1. Defined the optimal domain scope and business case for a vendor agnostic research platform solution



2. Developed the design principles and solution design elements for a precompetitive platform



3. Raised awareness and established interest within the R&D industry



4. Confirmed Accenture's role as leading platform partner/owner



5. Defined an implementation approach



Outcome: definition of a standardized research lab platform delivered in a precompetitive approach with shared investments and shared risk, and a business case that addresses the industry's challenges.



Business Case for RLSC



IT cost savings

- *Significant operational cost savings (30-40%) becoming more favorable as more companies invest in the platform*



Efficiency and routine execution

- *Improve operational efficiency; increase investment in innovation; improve ease of maintaining regulatory compliance*



Better science

- *Access to innovative informatics from pre-competitive partners will drive new insights and change the R&D productivity profile*



Research market place and ecosystem

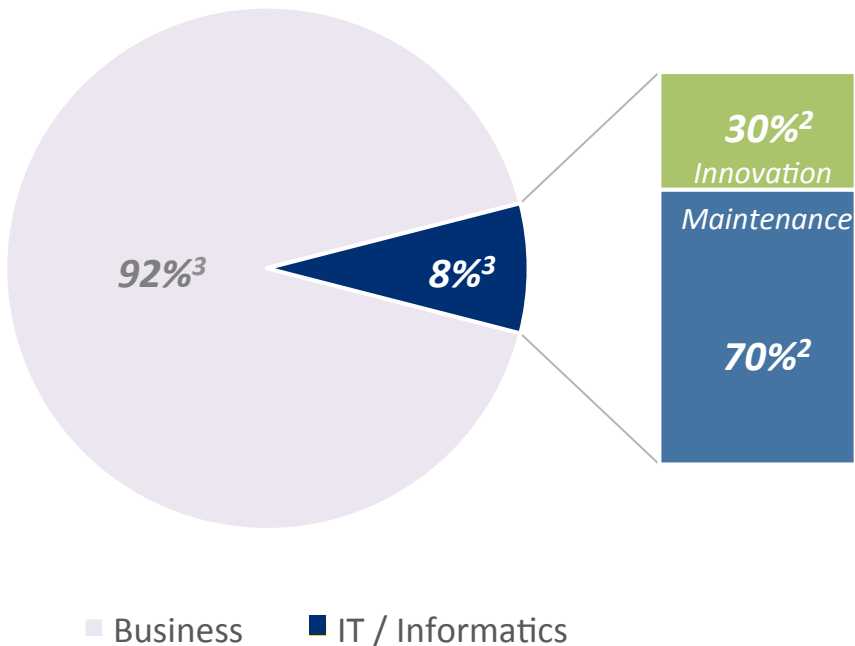
- *Companies can more easily and nimbly access innovative software tools, collaborate / externalize with alliance partners, and procure goods and services*



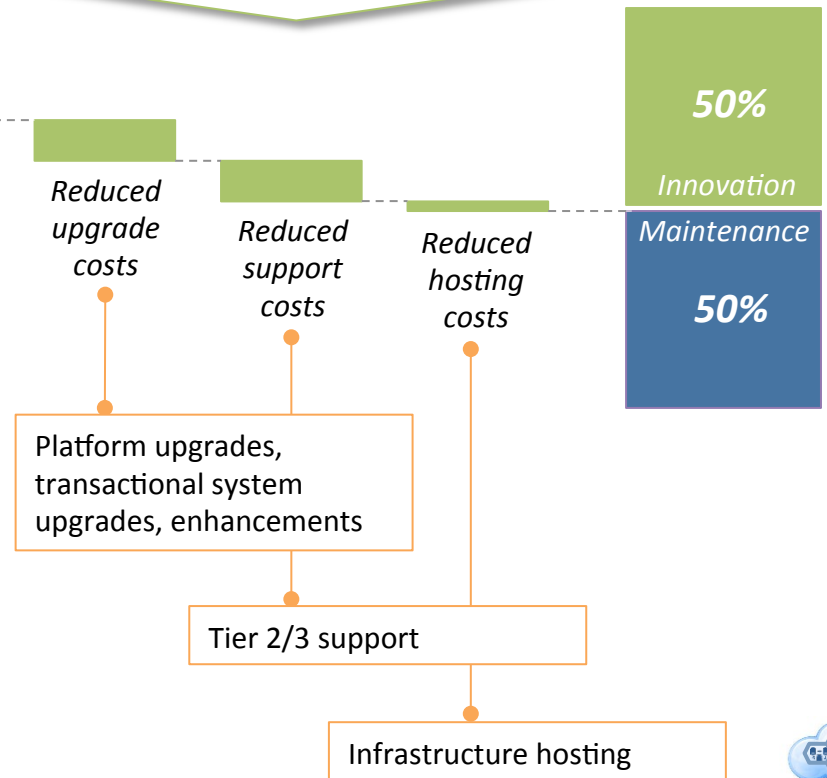
Quantitative Business Case for RLSC

RLSC is estimated to provide approx. 40% savings in on-going operations through a shared service model.

Annual Research Spend: ~30% of total R&D spend¹



Reduction in operational and maintenance costs achieved through RLSC will allow companies to spend proportionally more on innovation



Sources:
 1. DiMasi, Joseph A., Ph.D. *Innovation in the Pharmaceutical Industry: New Estimates of R&D Costs*. Rep. Boston: Tufts Center for the Study of Drug Development, 2014;
 2. Newman, Ann. "Demystifying the Cloud." *What Is Cloud Computing?* Dell, n.d. Web. 06 Oct. 2015;
 3. *Accenture proprietary research*



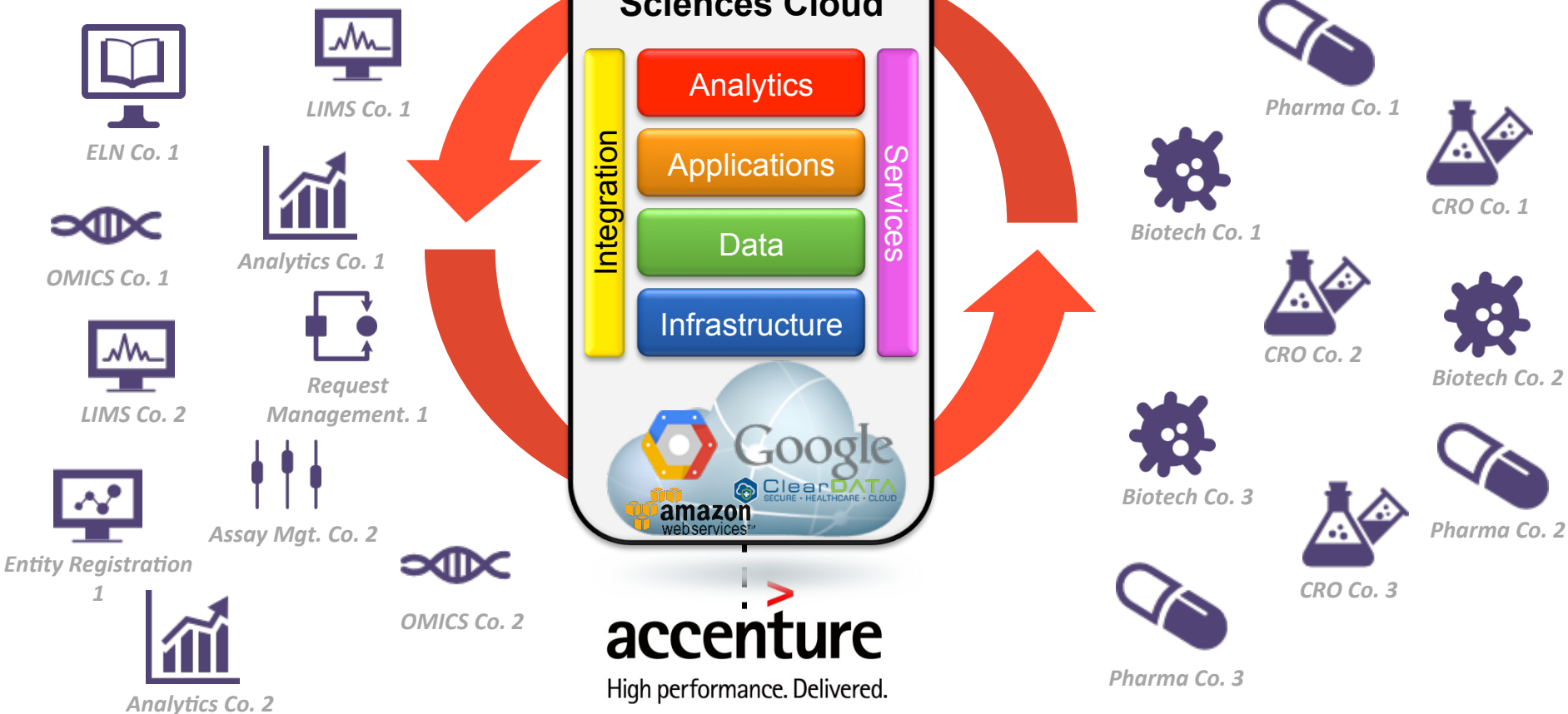
Applying a Platform Strategy to Research

An open, standards-based platform to integrate core capabilities supporting pharmaceutical research and early development

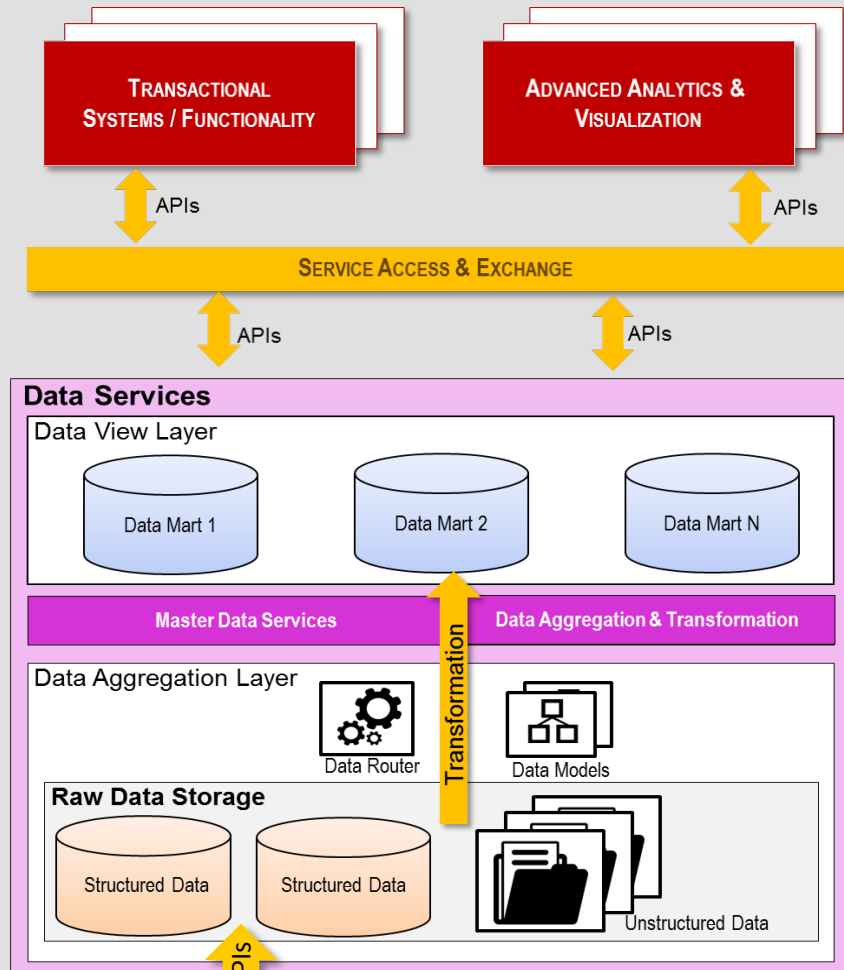
Research Informatics Software

Platform Ecosystem

Pharma, Biotech and CROs



Research Life Science Cloud (RLSC): Conceptual Technology Framework



Core Platform

Features:

- Cloud hosted and secure
- Integrates on premise solutions
- Data aggregation and re-use
- Analytics and Visualization capabilities
- Open, interoperable, extensible
- Easier externalization and CRO Access
- Improved agility and rapid innovation
- Platform Strategy
- Precompetitive Collaboration
- Shared Investment & Risk
- Cost Savings



Discussion



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