



Strategy | Digital | Technology | Operations

A new era for the Life Sciences industry

Cloud computing changes the game



High performance. Delivered.

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Agenda:

Accenture Technology Vision

What is 'cloud' and why is it important?

Our Life Science vision for the future



Strategy | Digital | Technology | Operations

Accenture Technology Vision 2015

Digital Business Era: Stretch Your Boundaries

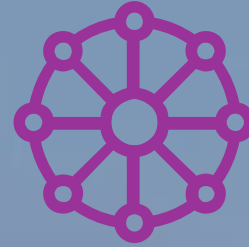


High performance. Delivered.





**Digital
Business**

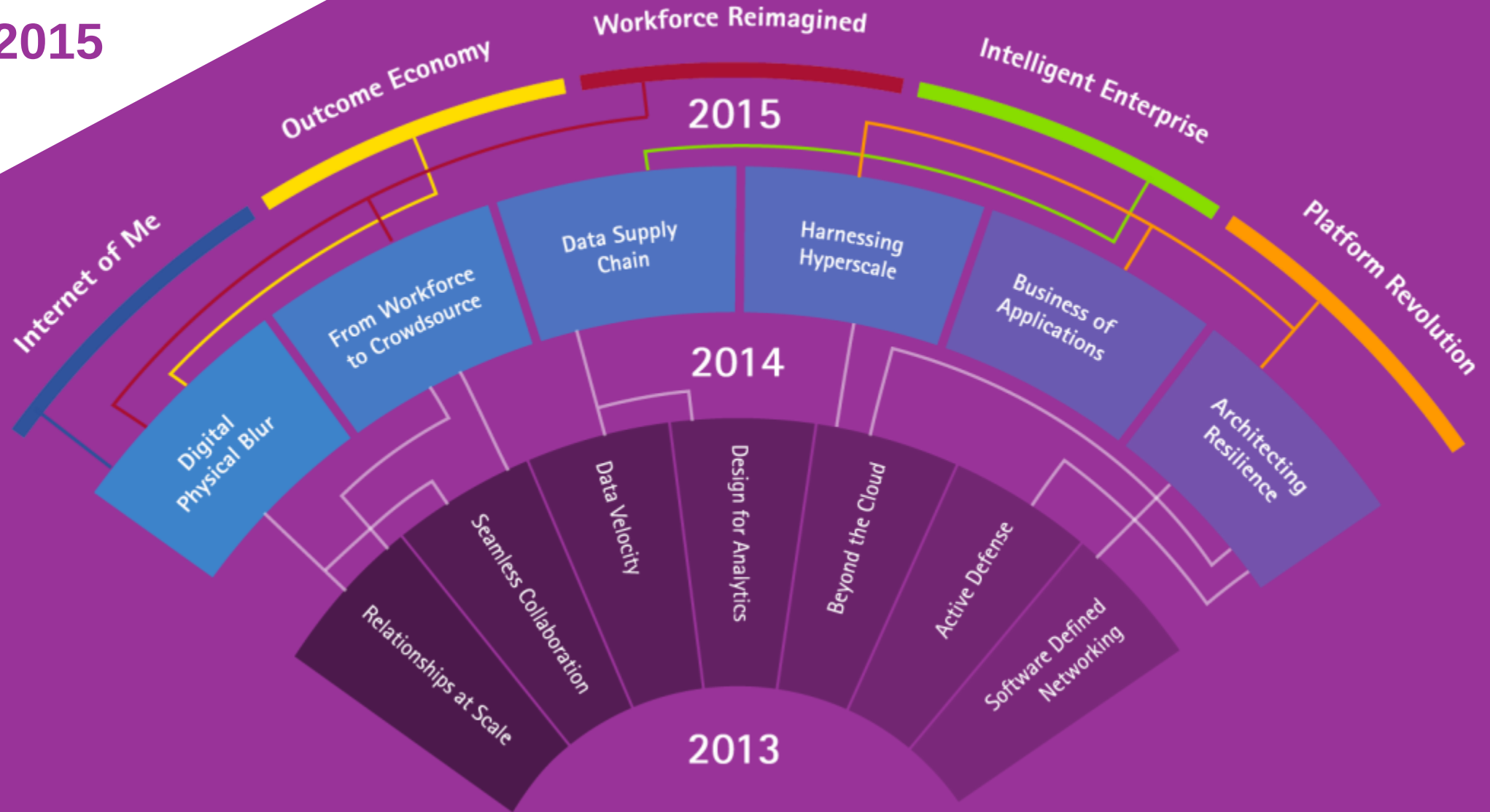


**Digital
Business Era**



**We
Economy**

Tech Vision Trend Evolution 2013-2015



Accenture Technology Vision 2015

5 Trends



1 The Internet of Me



2 Outcome Economy



3 Platform (R)evolution



4 Intelligent Enterprise



5 Workforce Reimagined





The Internet of Me:

Our world, personalized



Outcome Economy:

Hardware producing hard results



Platform (R)evolution:

Defining ecosystems, redefining industries



Intelligent Enterprise:

**Huge data, smarter systems
- better business**



Workforce Reimagined:

Collaboration at the intersection of humans and machines

Accenture Technology Vision 2015

5 Trends



1 The Internet
of Me



2 Outcome
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3 Platform
(R)evolution



4 Intelligent
Enterprise



5 Workforce
Reimagined

View and Download the Vision
www.accenture.com/TechnologyVision

What is 'cloud' and why is it important?

Cloud computing: a primer

Clouds generally take one of a combination of four forms



Private clouds

- Dedicated Hosting
- On-premises (company data centre or off-premises (3rd party)
- Virtualised infrastructure, applications and communications.



Public clouds

- Shared utility hosting
- Off premises.
- Provided by external 3rd parties over a network



Hybrid clouds

- Blend of shared utility hosting and dedicated hosting
- Retain confidential information privately while providing access to the wider choice of Public cloud applications and platforms.



Community clouds

- Collaborative resources shared between a organizations with common requirements & interests
- Often in the same industry
- Costs are spread across users.



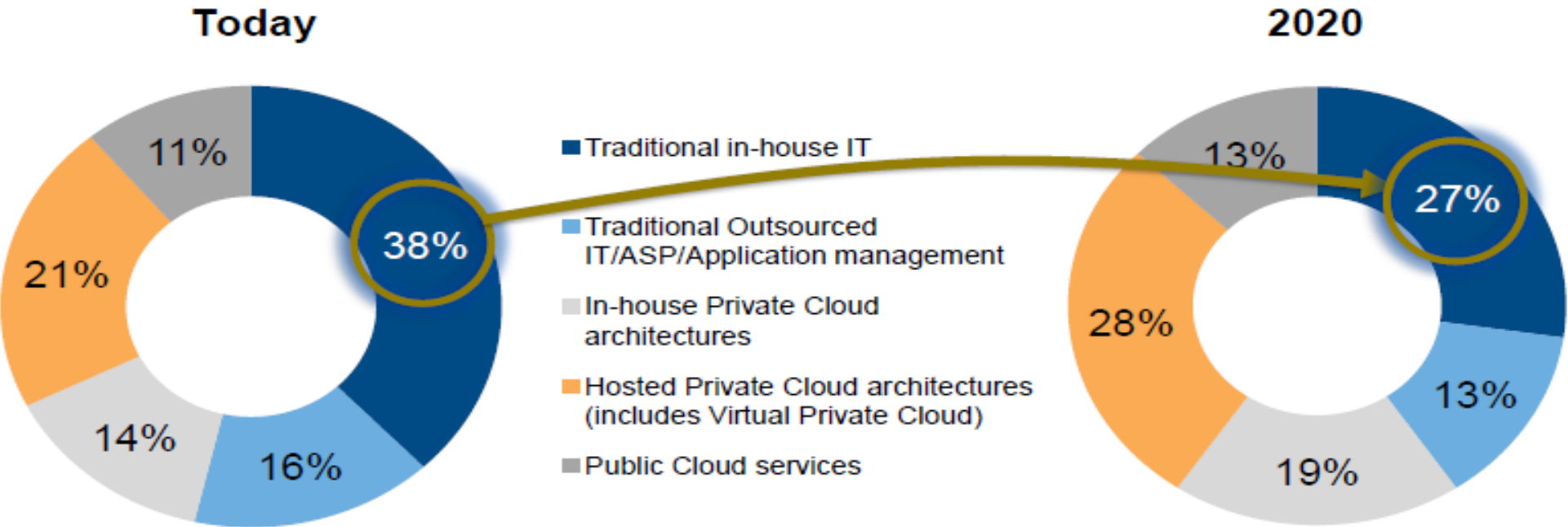
Service models

All of these forms of cloud can provide computing "on demand" at one or more of these four stack levels.



IDC continues to see the shift from traditional IT to cloud

Q. Please estimate what percentage of your organization's total annual IT budget (incl. server, applications, middleware, storage, networking, IT staff, & services) will be allocated to each of the following procurement/management models.



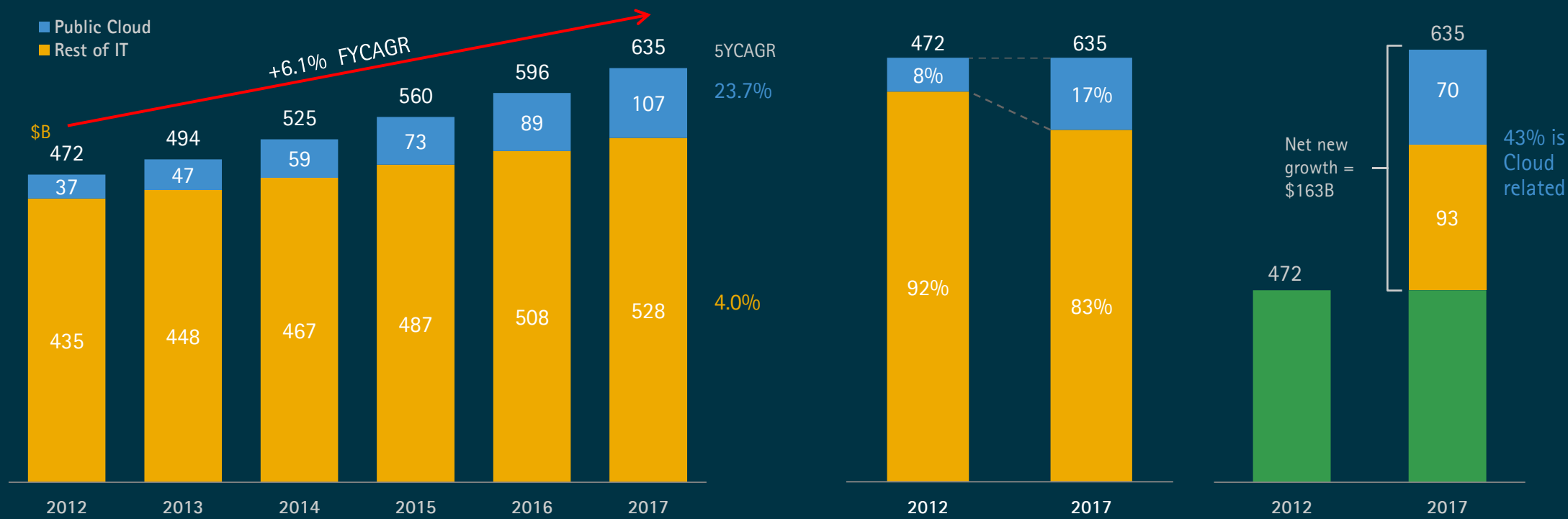
Note that future budget allocations for cloud delivery models grow primarily at the expense of spending budgeted for traditional in-house IT

Source: IDC, 2013 CloudTrack Survey, N = 524. Note: Respondents were from North American organizations that are currently using Cloud.

Source: @IDC. Winning in the Cloud Professional Services Marketplace, March 2014.

Public IT Cloud services will grow at over 5X the rest of the comparable market

Public Cloud vs. Rest of IT

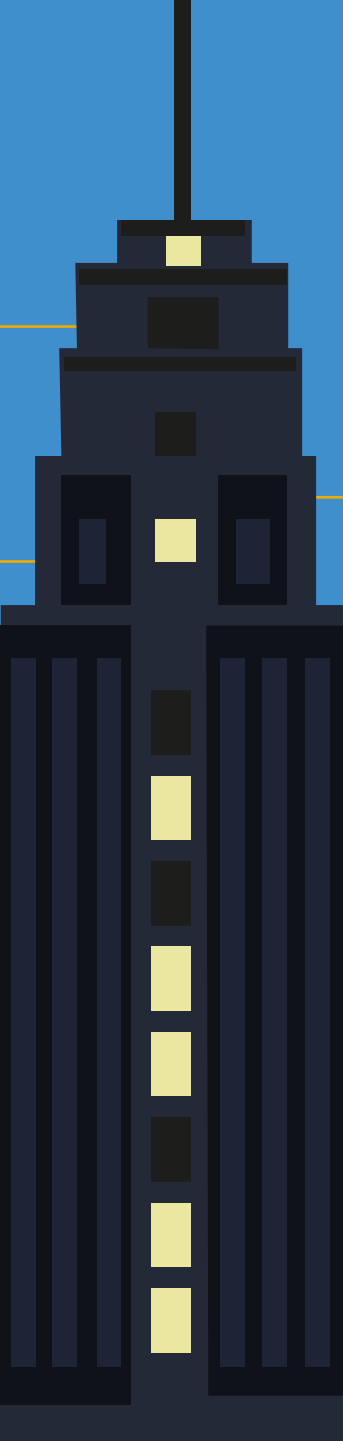


DEFINITION: Public Cloud includes spending on Public Cloud Services (IaaS, PaaS, SaaS). The rest of IT includes Software (Apps, Middleware, Infrastructure), Servers, Storage (excludes Services, BPO, PCs, tablets, phones, Enterprise Network spending, and SP network equipment).

The proportion of Cloud Universe spending increases during the forecast period, and is assumed to contribute over 40% to the net new overall market spending starting in 2012. Public IT cloud services will account for 17% of IT product spend by 2017 in the major categories sized, up from 8% in 2012.

Source: © Copyright IDC. Source: Worldwide Cloud Black Book, Version 4, 2013, March 2014, #247664.

A sampling of cloud benefits



ACCESS

New devices automatically accommodated

SPEED

Rapid Application Development Tools and Methods

SERVICE NOT SOFTWARE

Changes are configured, not programmed

COLLABORATION

Connecting people, businesses and industries

APP STORE

For your business

AGILITY

Infrastructure ready when you need it

KNOWLEDGE

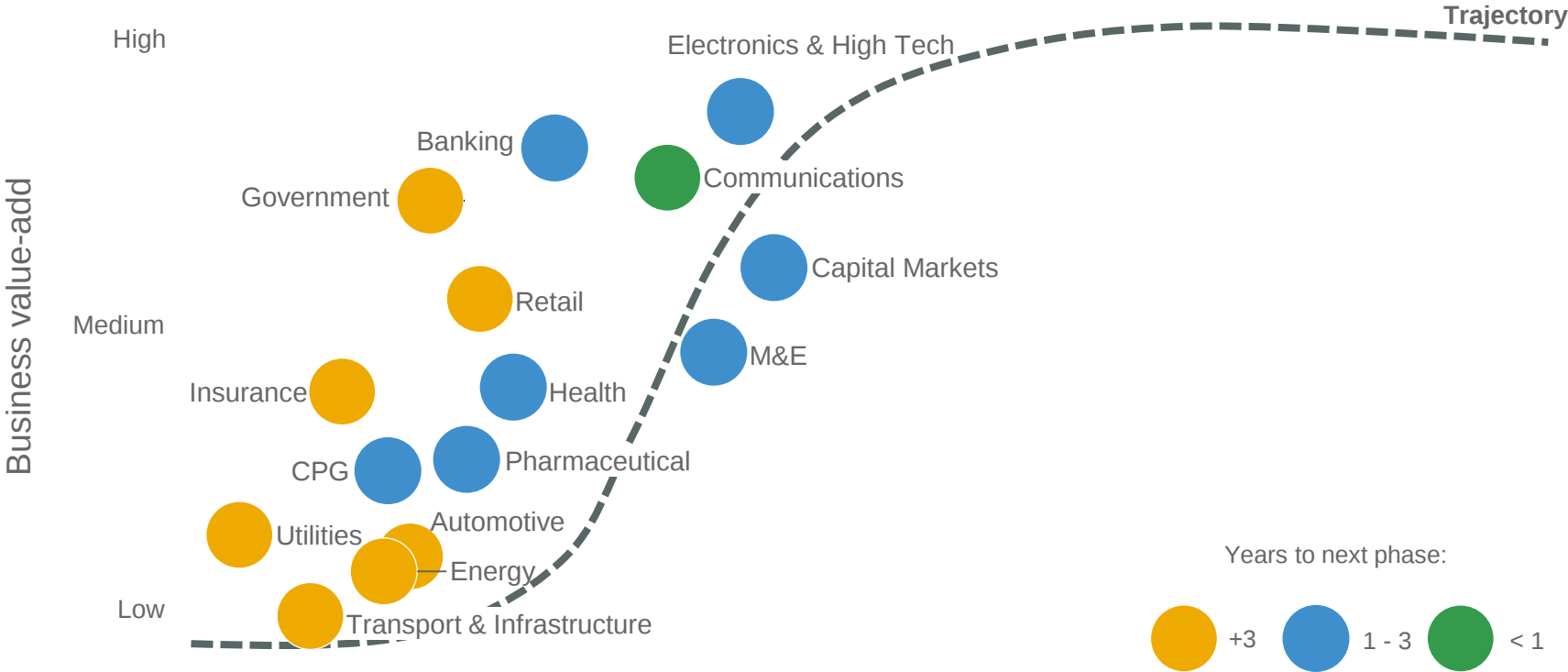
Real-time analytics

COMPLIANCE

Processes address new regulations

Cloud by industry

Healthcare and Life Sciences, Banking, Insurance, Resources lagging due to heavy legacy, while Capital Markets and EHT are leading adopters:



Cloud shakes up the Life Sciences sector

The life sciences industry is becoming more collaborative, digitally enabled, more patient-centric and increasingly data driven. And, it is impossible to achieve these dimensions without tapping the power, scalability and pay-per-use cost models of cloud computing technology.

- Traditionally, the life sciences industry has been lagging due to **fragmented, in-house technology infrastructure and systems** and concerns over **data security**.
- **Restricted budgets** have resulted in urgent, pent-up need for technology renewal without massive up-front spend.
- **Regulatory compliance** needs around patient data sharing are driving companies to embrace a common platform.
- These challenges can be addressed through **cloud computing**, mobility and analytics.

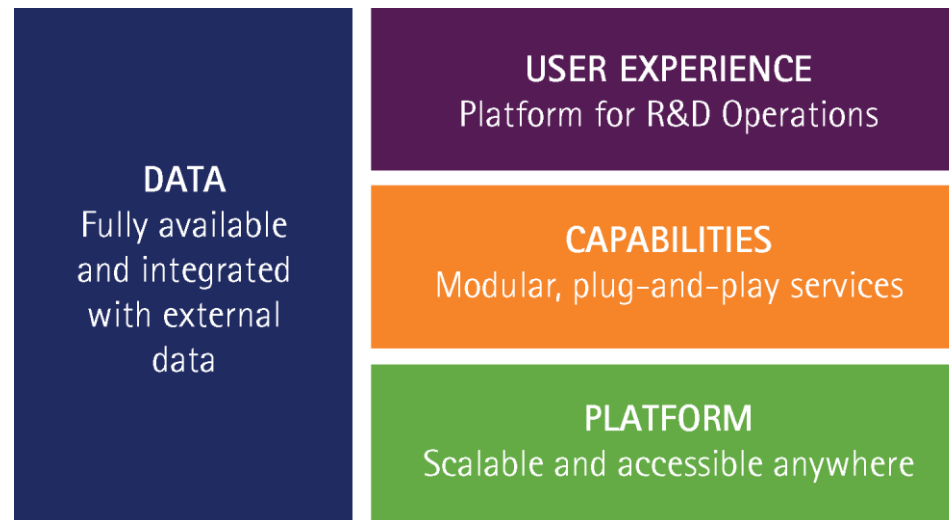




Our life science vision for the future

The Accenture Life Sciences Cloud Platform Vision

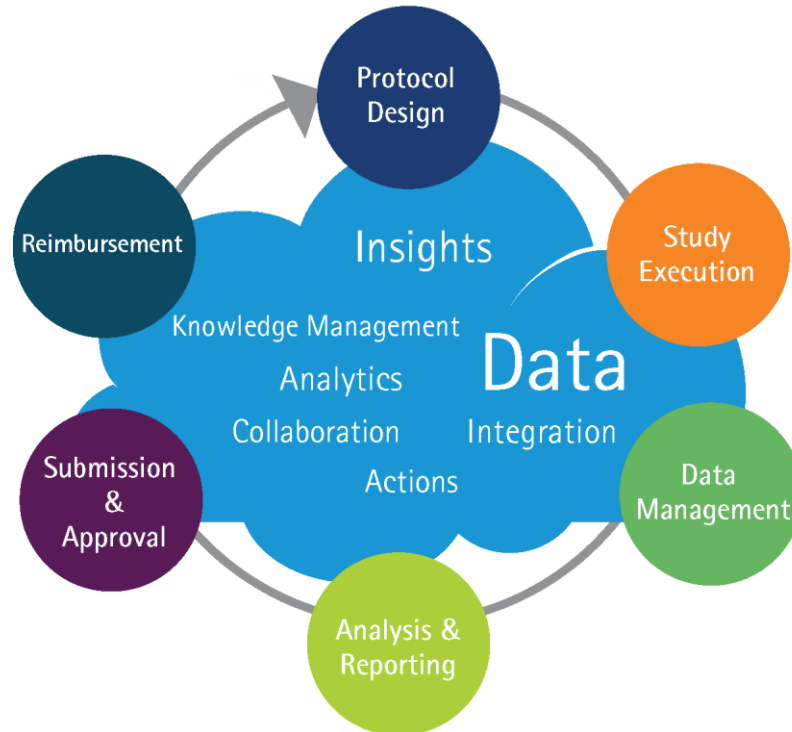
- The future platform designed around Life Sciences R&D will enable a core set of business capabilities, focusing on the R&D data chain, surrounded by security, integration and collaboration services, with advanced analytics and reporting.
- End user tools and transactional systems will be plug-and-play for integration, security and data access.



What is the Accenture Life Sciences Cloud?

The Accenture Life Sciences Cloud is a platform design to provide actionable insights from your clinical, operational, safety and regulatory data.

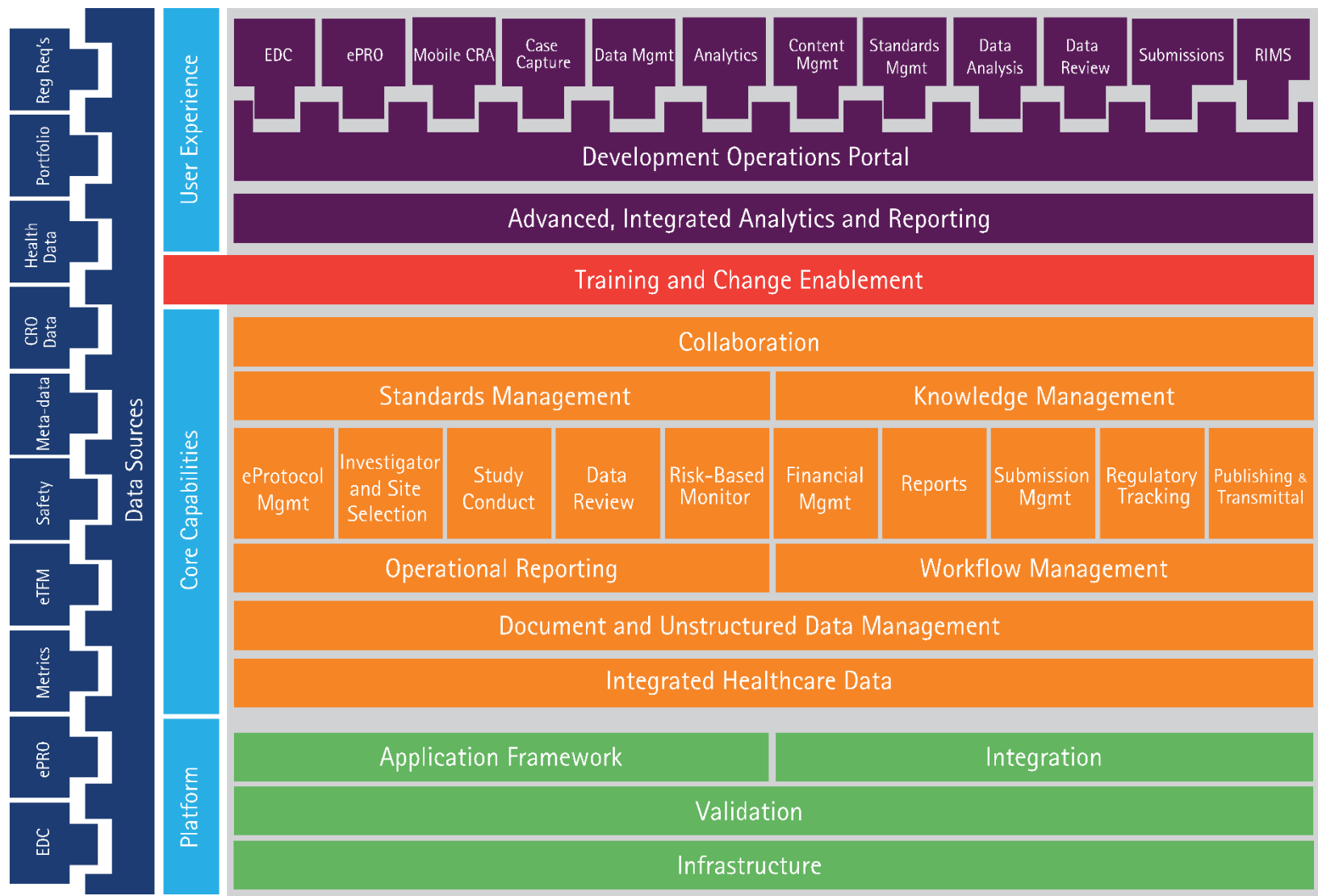
End-to-End Data and Technology-Enabled Process



Outcomes Achieved Through Actionable Insights

- Informed Study Design
- Adaptive Study Decisions
- Precision Medicine
- Risk Based Monitoring
- Operational Reporting
- Data Cleaning
- Quality Review & Discrepancy Management
- Regulatory Analytics
- Benchmarking
- Product Defense
- Risk Benefit Assessment
- Value-vigilance

The Accenture Life Sciences Cloud Platform Vision



Collaborating with Peers Through the LSC Coalition

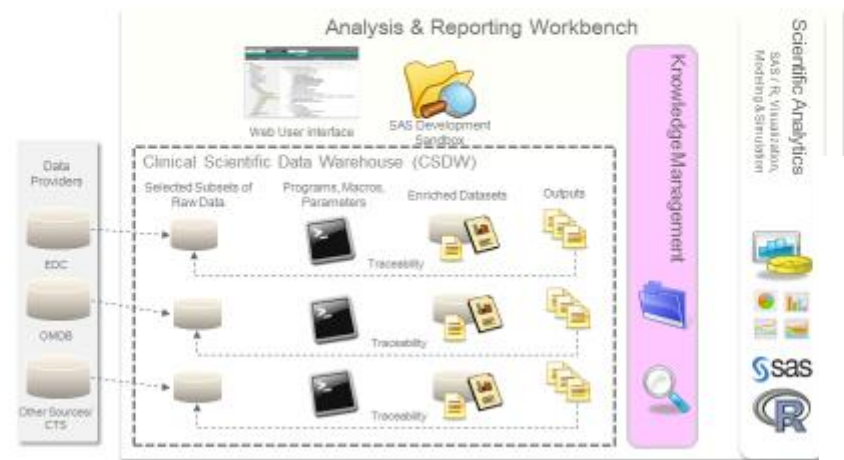
A major benefit in embracing the Accenture Life Sciences Cloud Platform is the membership of the Life Sciences Cloud Coalition – a group of like-minded partners, collaborating for a healthier industry in non-competitive areas.



Delivering the Next Phase of the ALSC Platform Vision

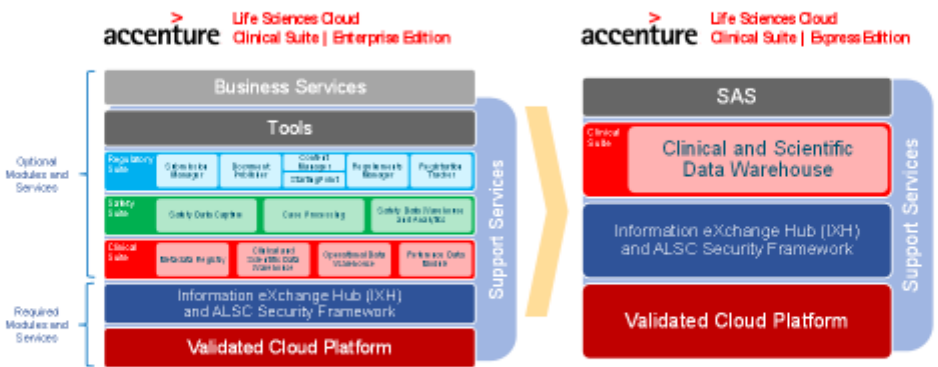
Analysis and Reporting Workbench Platform in Development

Once fully implemented, the ARW Platform will alleviate challenges that statistical programmers face today in the areas of information storage, control, and reuse, and will enable the realization of a fully flexible and scalable solution



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ALSC Express – Streamlined and Preconfigured





About Accenture

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Accenture Digital, comprised of [Accenture Analytics](#), [Accenture Interactive](#) and [Accenture Mobility](#), offers a comprehensive portfolio of business and technology services across digital marketing, mobility and analytics. From developing digital strategies to implementing digital technologies and running digital processes on their behalf, Accenture Digital helps clients leverage connected and mobile devices; extract insights from data using analytics; and enrich end-customer experiences and interactions, delivering tangible results from the virtual world and driving growth. Learn more about Accenture Digital at www.accenture.com/digital."

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