

LIFE SCIENCES

# Powering the Future of Life Sciences

Modernizing life sciences technology, transforming healthcare



# Life sciences

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Life sciences organizations face relentless pressure to accelerate innovation while controlling costs. Yet, fragmented technology, siloed data, clinical trial inequities, and supply chain disruptions make this increasingly difficult. To overcome these challenges and drive better patient outcomes, they need cutting-edge technology, seamless data access, and rapidly expanding expertise in innovation.

# Key imperatives for life sciences

- 1** Leverage technology innovation to transform the business
- 2** Adopt a patient-centric approach with a focus on improving clinical outcomes
- 3** Mitigate risk—both for regulatory compliance and cybersecurity

# Forces shaping the life sciences sector

## INDUSTRY CHALLENGES

### Outdated technology that constrains the business

Older systems, data silos, and data latency hinder business success. Though profits are regularly scrutinized in the public eye, life sciences organizations must operate profitably like any other commercial business.

### Need to improve patient outcomes and efficacy

Life sciences companies face an ongoing imperative to improve patient outcomes. Labeling mishaps, slow responses to issues, and other negative press can have a detrimental impact on a brand.

### Managing risk in changing regulatory environments

Life sciences businesses are subject to significant regulation by bodies such as the FDA. Regulations exist across a broad range of business activities including manufacturing, labeling, and sales and marketing.

## VISION OF SUCCESS

*Click on a section to learn more.*



# 1: Run a modern business on cloud

Run a modern business by leveraging integrated systems that link ERP, clinical data, and patient outcomes for the entire enterprise. Manage revenue while taking a balanced approach to profitability that doesn't come across as gouging patients.

## Recommended actions:

- Invest in modernizing your technology stack to a real-time, connected cloud
- Get granular about planning and budgeting
- Manage your people to think holistically about the business—and give them modern tools for actionable insights

## How to get started:

- Identify data silos and areas of weakness
- Learn about AI and how it can drive better efficiency and optimization in a way that meets regulation and compliance requirements.

## Oracle capabilities enabling strategic goals



## 2: Optimize patient outcomes through data insights

Leverage advanced analytics based on real-time information about patient outcomes to inform drug development and optimize results.

### Recommended actions:

- Understand patient outcomes in real time with high correlation to drug development
- Implement smarter ways of planning and manufacturing
- Test and innovate to optimize patient outcomes as the key goal
- Effectively manage drug recalls and other critical communications

### How to get started:

- Understand demand and regulatory changes by region
- Identify data sources for accurate profitability analysis
- Determine the right KPIs to measure outcomes
- Learn how you can integrate sensors and wearables for better, more comprehensive data about patient outcomes

### Oracle capabilities enabling strategic goals



## 3: Facilitate high safety, security, and compliance

Protect systems from threats. Keep up with changing regulatory and sustainability needs. Maximize patient and employee safety and immediately respond to any issues.

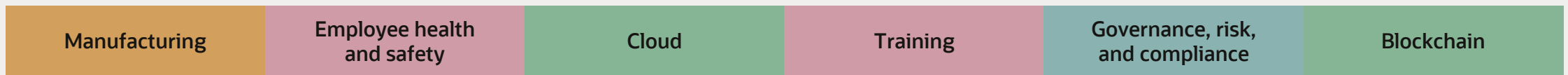
### Recommended actions:

- Leverage secure cloud technology for compliance and threat protection
- Implement modern employee health and safety systems to keep workers safe
- Track and measure adherence to changing compliance needs
- Use blockchain to maintain required conditions (e.g., temperature, humidity) during transit of medications and drug components

### How to get started:

- Understand key regulatory and compliance requirements for consumers and workers
- Learn about modern technologies that can improve safety in drug production
- Plan a cloud modernization for aging systems that may expose the organization to security risks

### Oracle capabilities enabling strategic goals



# Internal questions to get going

## Data

Do we have the data we need to make the right decisions?

How well integrated are our systems?

Are we integrated into third-party systems where needed?

## Employees

Do our volunteers and employees feel like they're working with modern technology?

What kind of upskilling will our teams need to administer and adopt this kind of cloud technology?

Which teams do we foresee being the hardest to enable? The fastest?

## Operations

What kind of analytics and insights do we need on day one of going live?

What are the biggest regulatory and compliance risks we regularly face?

Do we have a clear understanding of all the parties working with our organization?

Can we connect data silos to align operations with results?

## System architecture and consolidation

Do our IT silos hurt our business?

Do we struggle with outdated technology that hinders efficiency and accuracy?





# Oracle Health and Life Sciences

Comprehensive solutions for healthcare innovation

Clinical	Revenue cycle	Enterprise	Life sciences	Payer
Ambulatory and acute care	Health information management	Enterprise resource planning	Study startup	Data exchange
Service lines and departments	Patient administration	Financial management	Clinical trial management	Prior authorizations*
Continuum of care	Patient accounting	Health system operations	Clinical data capture and randomization	Near real-time claims*
Interoperability	Payments	Human capital management	Safety	
Population management		Supply chain management	Real-world data	
Patient engagement		Workplace health and safety	Commercialization*	

## Unified data and analytics, embedded AI

Global, distributed cloud

Public

Dedicated

Multicloud

Hybrid

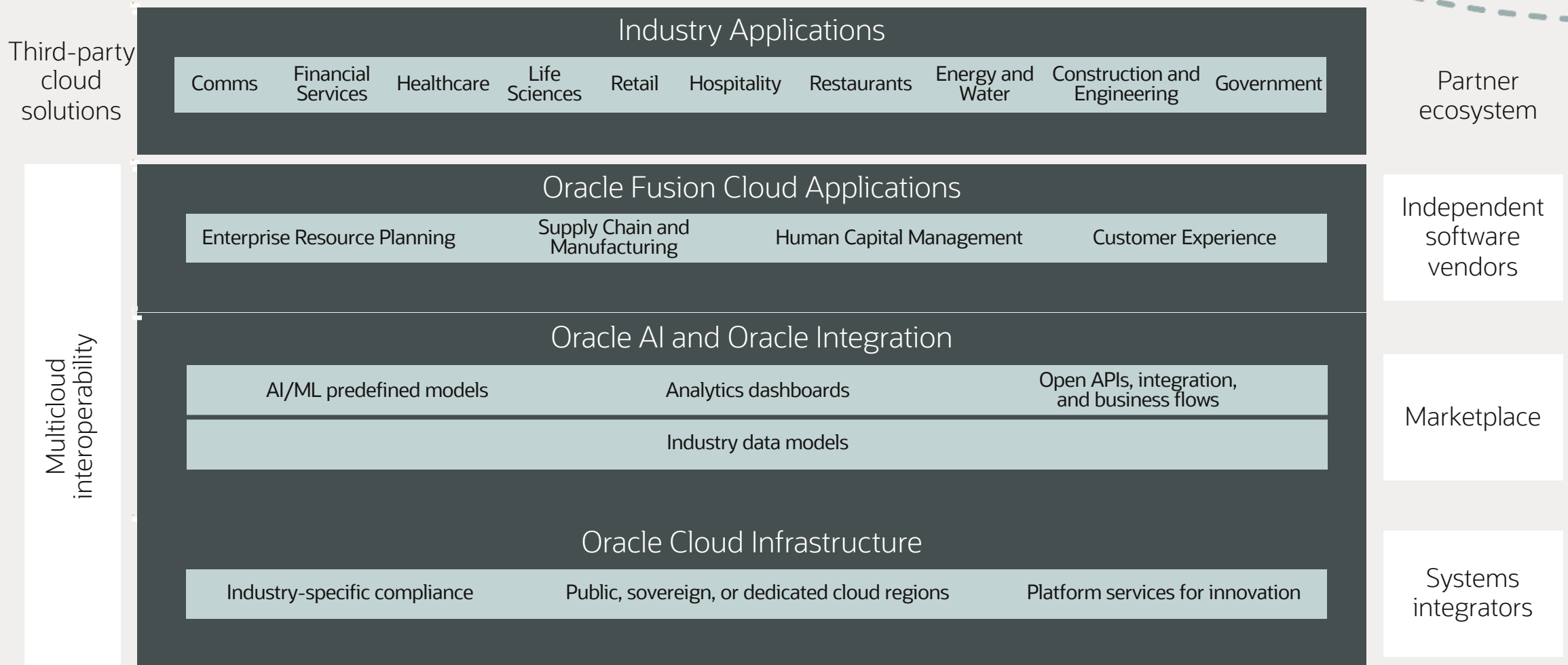
150+ cloud services

## Oracle Cloud Infrastructure

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# Oracle solutions for every industry



# Why Oracle?

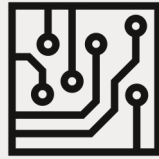


## Complete Suite

Best-of-breed apps designed and built based on customer needs—with AI throughout.

Industry-specific apps, finance, HR, supply chain, manufacturing, marketing, sales, service, and analytics built to work together.

Hundreds of new features each quarter.



## Best Cloud Technology

Next-generation cloud infrastructure with the performance, security, and availability to run mission-critical operations.

Multiple cloud regions worldwide for commercial and government.



## Award-Winning Design

Award-winning consumer-grade user experience built with Redwood Design System.

The same tools for all developers to easily personalize, extend, and build applications.

Self-learning and self-improving applications.

# Extensive partner and ISV ecosystem

+20,000

Partners and ISVs

 **accenture**

**Deloitte.**

  
**pwc**

 **cohere**

 **Palantir**

 **Red Hat**

 **THOMSON REUTERS®**

  
**VERTEX**

**aws**  


 **Google Cloud**

 **Azure**

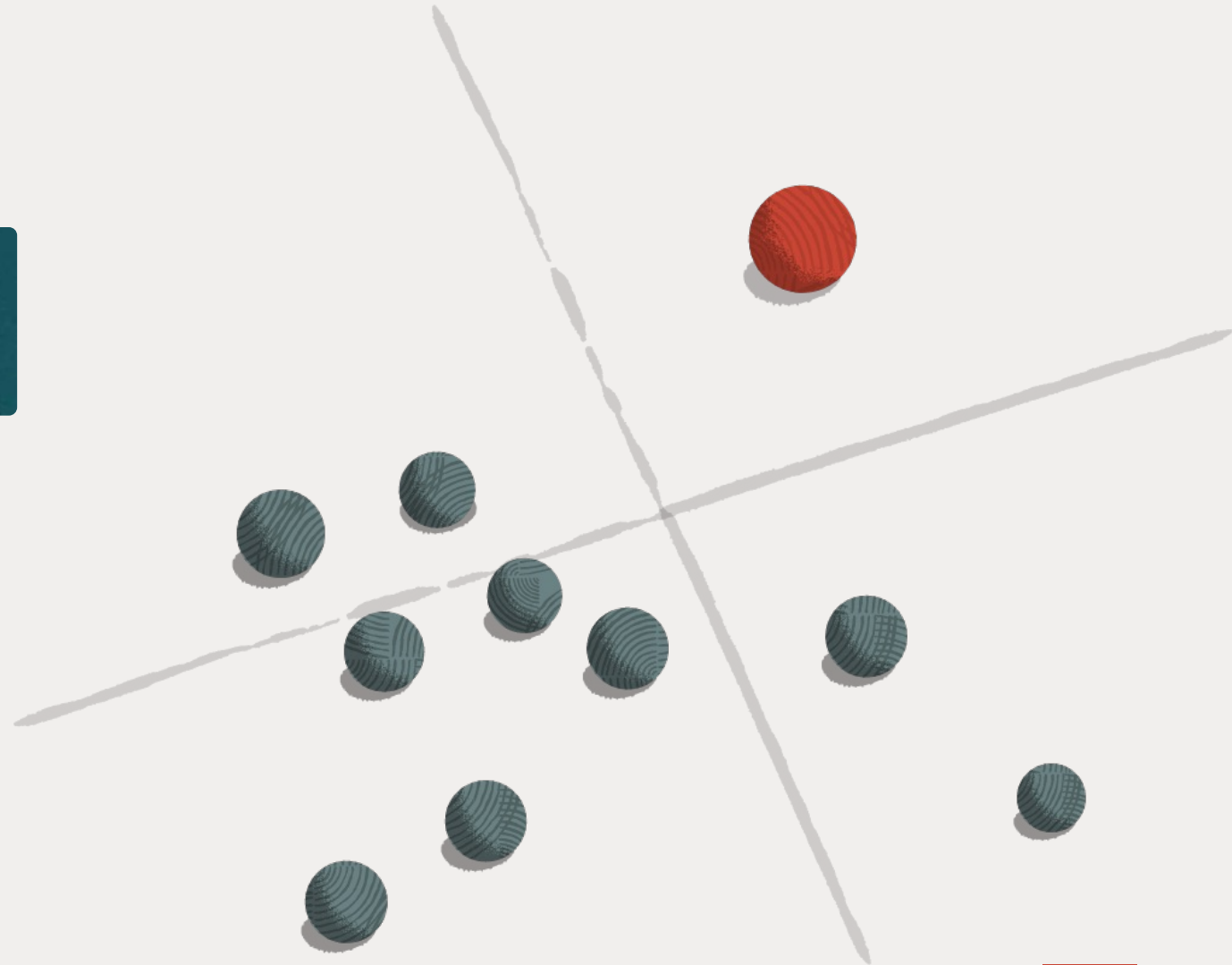
  
**NVIDIA®**

# More industry and leadership awards than any other SaaS company

ERP	SCM	HCM	CX
28	10	8	22

Gartner, Forrester, IDC, Omdia

Number of times top-tier analyst firms placed Oracle in a leadership position over the last 36 months





# Thank you



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