



# Build AI Powered Enterprise with Oracle Cloud

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Software Architect

## Safe Harbor

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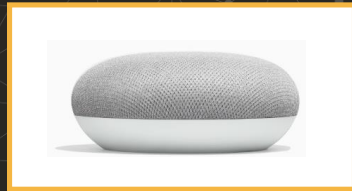
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# Artificial Intelligence: The New Reality



Recommendations



Virtual Assistants



Route Prediction



Video Surveillance



Chat Bots



Fraud Detection



Financial Trading



Healthcare



Self-Driving Cars

# Bringing AI to Masses

Worldwide spending on AI systems is forecast to reach **\$37.5 Billion** in **2019** and **\$98 Billion** in **2023**.

– IDC

**By 2020**, penetration rates of enterprise software with integrated AI and cloud-based AI platforms will reach an estimated **87%** and **83%**, respectively.

– Deloitte

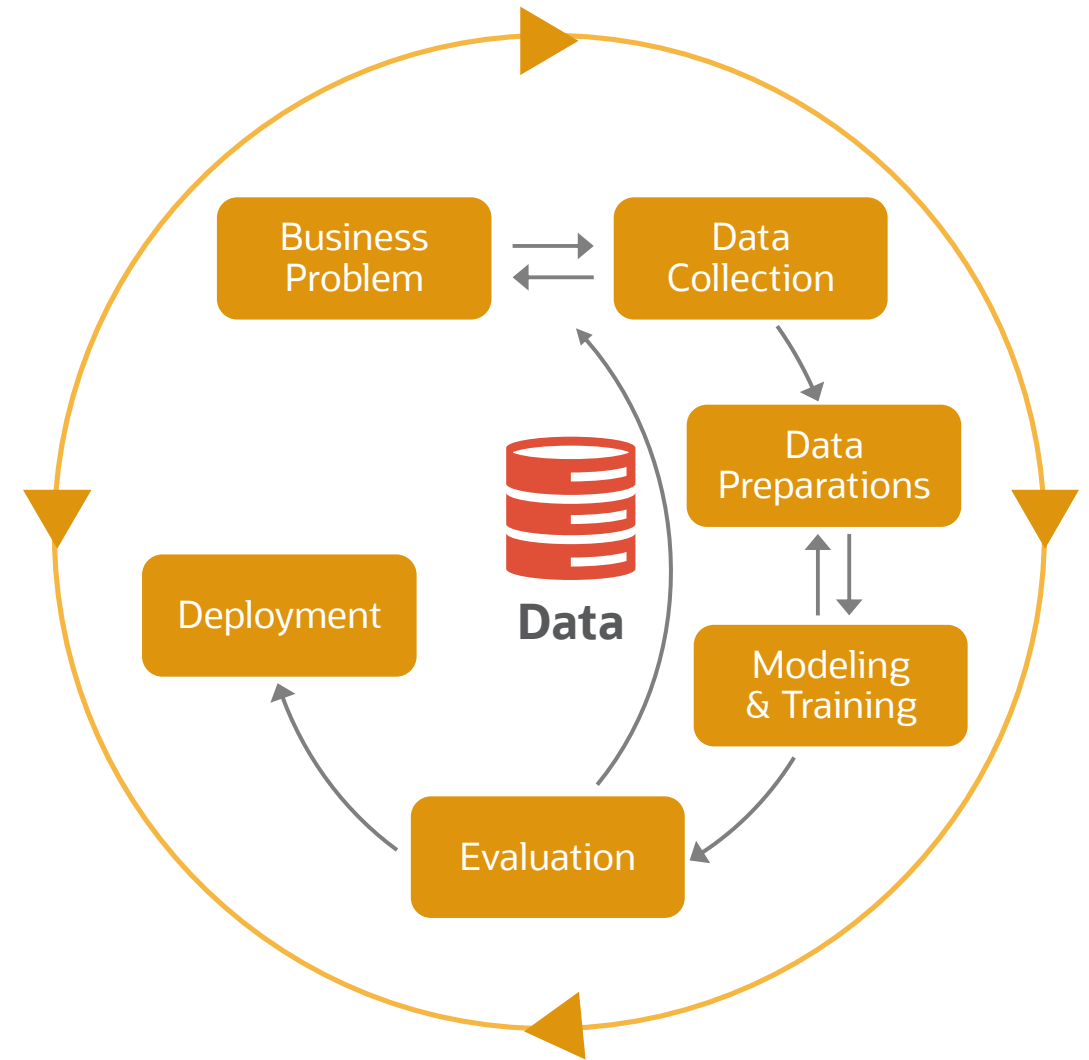
AI will potentially contribute **13 Trillion** to the global economy **by 2030**.

– McKinsey

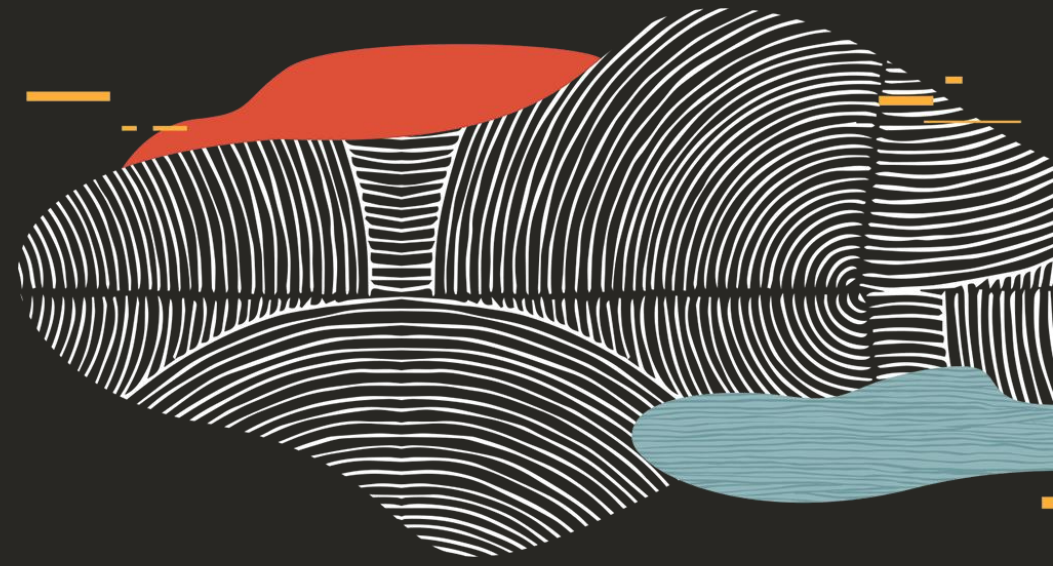


# To Lead Successful AI Strategy

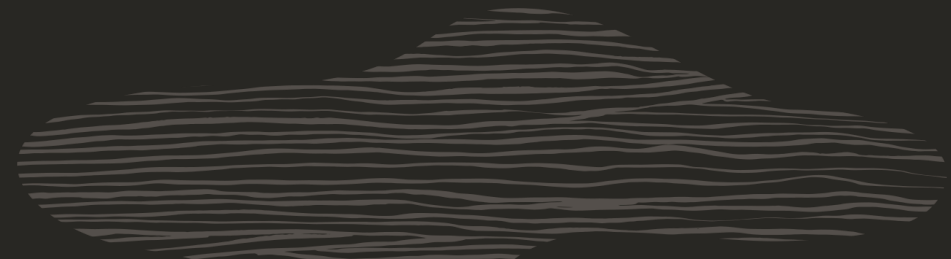
- Business use case
- Large amount of clean data
- Tools & technology
- High performance infrastructure
- Talent





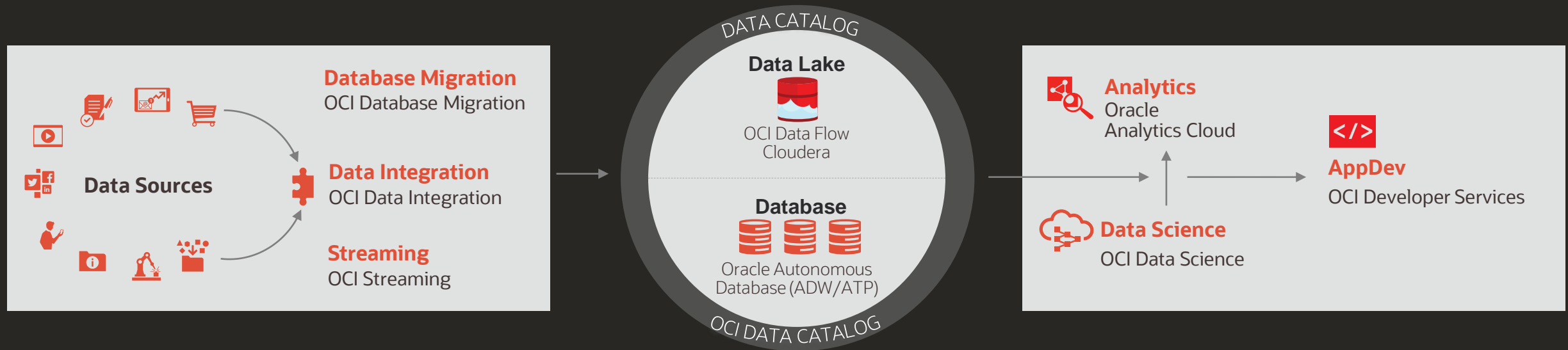


# What Does Oracle Offer for AI?



# Oracle's Big Data and AI Platform Vision

End-to-end platform to rapidly build AI-powered solutions

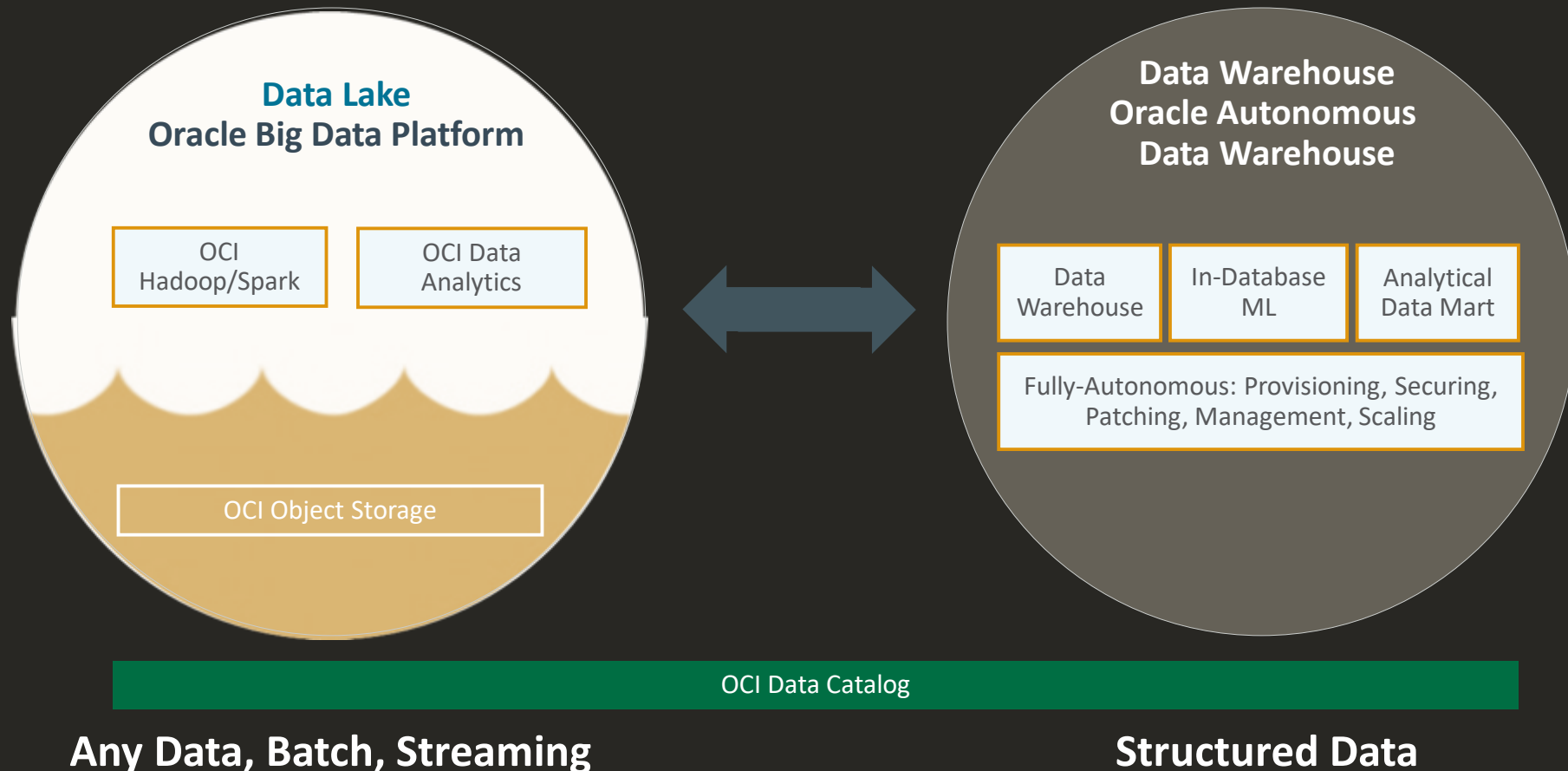


## Oracle Cloud Infrastructure



# Manage and Process All Data for AI / ML

Best-in-class solutions to support any data type and analytical workload

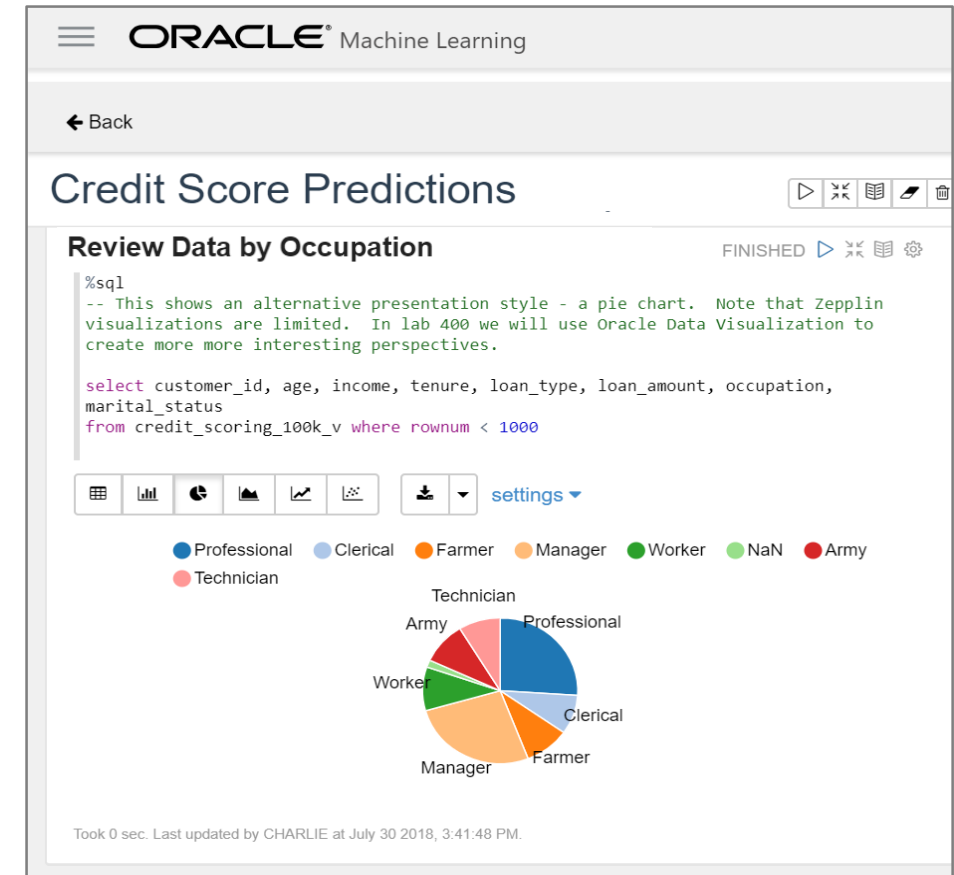




# Oracle Machine Learning Notebooks

## Autonomous Database as a data science platform

- In-database machine learning algorithms and analytics functions via SQL
- Collaborative UI for data scientists, data analysts, application developers, DBAs
- Easy sharing of notebooks and templates with permissions, versioning, and execution scheduling
- Based on Apache Zeppelin



# Analytics with No-Code ML

## Oracle Analytics Cloud

### Augmented Data Preparation

- Identify domain, auto suggest one-click cleansing, prep and enrichment

### Augmented Insights

- Explain datasets for unbiased data-driven insights
- One-click forecasting, clustering and trends
- Natural language querying and generation via Mobile

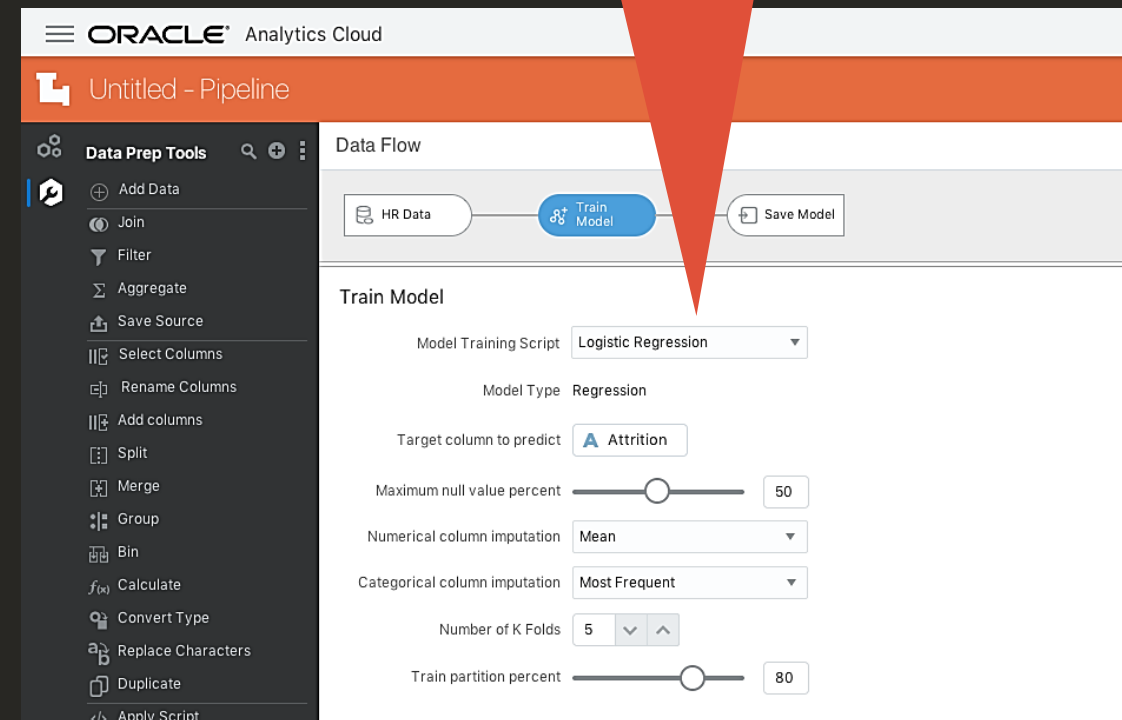
### Train Models

- Train embedded models on any data
- Leveraging Python with zero code

### Consume ML Assets as Part of Analysis

- Use data science outputs from other ML platforms (eg, OML in ADW)

Train and run sophisticated ML models without code or specialized skills



# Team Collaboration

## App Developer



Microservices-based app development without the pain of distributed data

## Data Scientist



Simplify access to data but also use new tools, processing engines as needed

## Business Analyst



Want to improve access to authoritative data sources, and add seamless access to new data

## IT



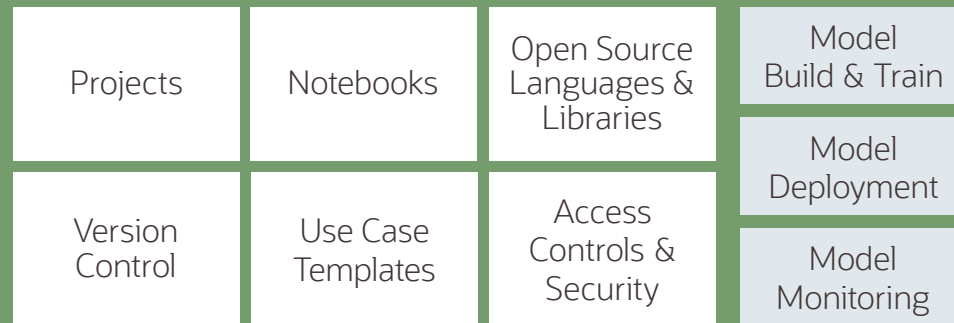
Support diversity of data management needs and also existing enterprise expectations



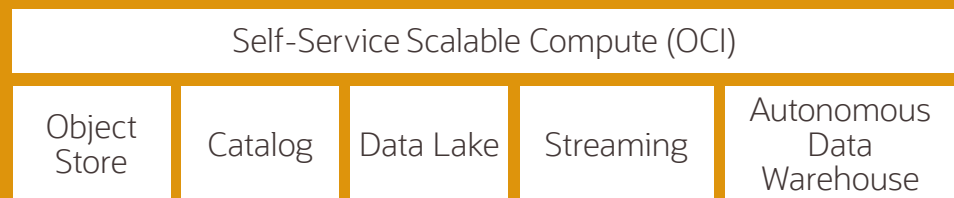
# Oracle Cloud Infrastructure Data Science

Coming  
soon

## Oracle Data Science Platform



## Oracle PaaS & IaaS



### Collaborative

Project driven UI enables teams to easily work together on end-to-end modeling workflows with self-service access to data and resources

### Integrated

Support for latest open source tools, version control, and tight integration with OCI and Oracle Big Data Platform

### Enterprise-Grade

A fully managed platform built to meet the needs of the modern enterprise

# App Dev

## Improved Developer Productivity

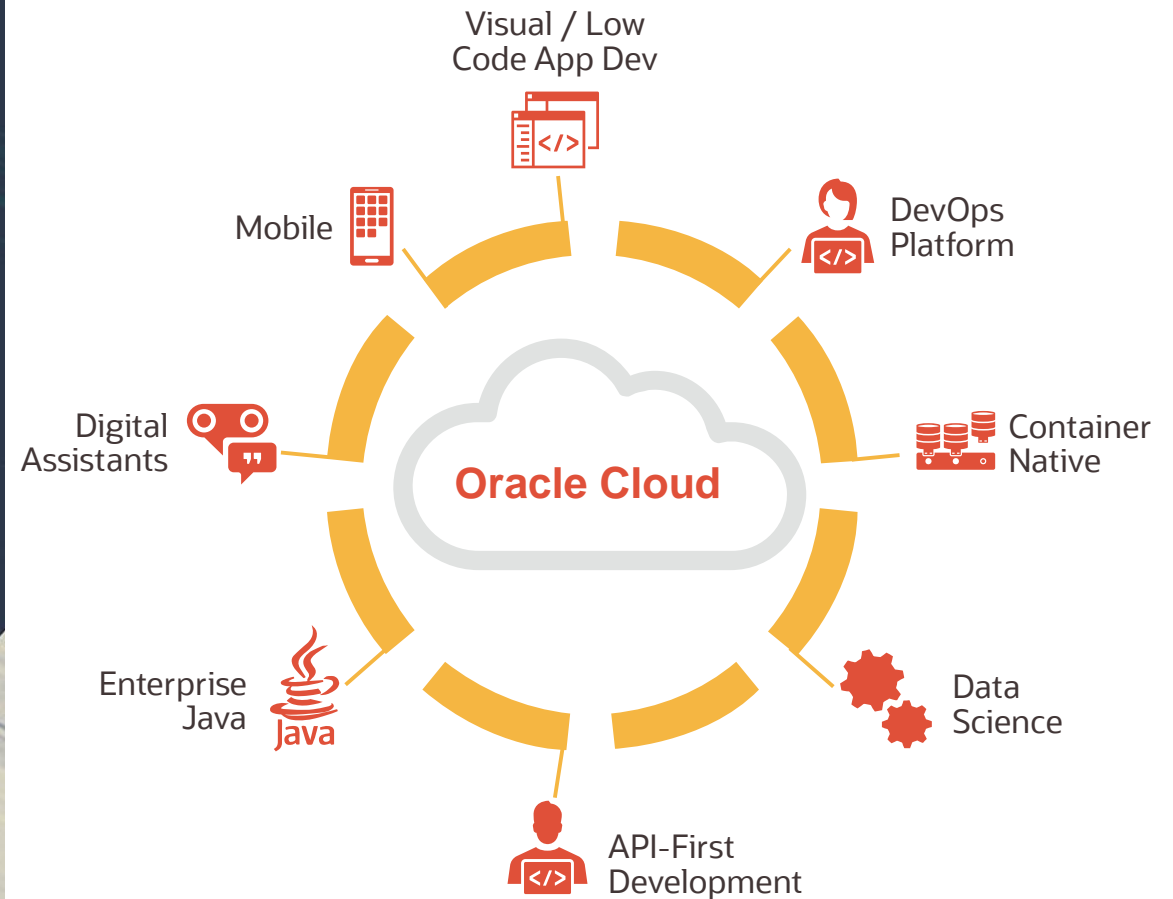
- Fully integrated CI / CD tools
- Expose applications across mobile, web, digital assistants
- Support for polyglot microservices development

## API-First Development

- End-to-end support for building, managing and securing machine learning model APIs

## Complete Lifecycle Management

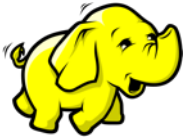
- Automated patches, upgrades, backup and recovery
- Container-focused lifecycle management





# Open Source: Integral to Oracle

## Critical Component of Data Management



## Giving Back to the Community



# Oracle Cloud Infrastructure: Built for AI / ML Workloads



## High Performance Compute

- Flexible shapes from VMs to Bare Metal
- Use latest innovations from NVIDIA, Intel, AMD, and more



## Scalable, Independent Storage

- 50% faster HDFS performance vs. other public cloud storage
- 90% lower costs for Data Lake with Data Tiering



## Guaranteed Network Performance

- Non-over subscribed, flat 25 Gbps bandwidth between nodes
- Only cloud with Network performance SLA

# Learn More



[Oracle.com/AI](https://www.oracle.com/ai)




ORACLE

# Oracle for Research

**Nowe technologie dla badań i komercjalizacji**

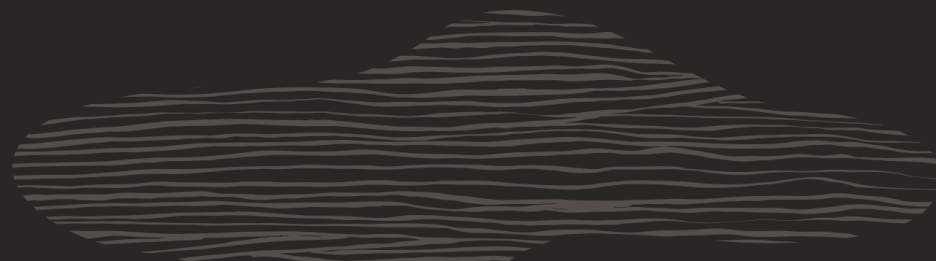
Tomasz Czarnecki  
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Education & Research  
22nd October, 2019

## Safe harbor statement



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# Oracle Academy. Dydaktyka

## Student

- Bezpłatne licencje on-premis na prywatnym sprzęcie
- Konto indywidualne

## Rozwiązania

- Technology on-premise
- Aplikacje ERP, CRM, SCM ...
- ADW / ATP Cloud



## Uczelnia

- Bezpłatne licencje on-premis na sprzęcie uczelnianym
- Bezpłatne szkolenia i kursy dla pracowników (Java, bazy danych)
- Bezpłatny Oracle Support

# Oracle for Research. **Badania**

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- Bezpłatne usługi chmurowe Oracle PaaS/IaaS w celu przeprowadzenia badań, eksperymentów naukowych i obliczeń wysokowydajnych HPC
- Testy porównawcze wydajnościowe i kosztowe usługi HPC w stosunku do własnych zasobów
- Współpraca z innymi ośrodkami naukowymi i partnerami biznesowymi Oracle
- Bezpłatne wsparcie techniczne Oracle

# Oracle for Research. Komercjalizacja

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- Bezpłatne zasoby PaaS/IaaS na zbudowanie prototypów i finalnych rozwiązań
- Przyspiesz komercjalizację projektów, badań
- Asysta przy wydarzeniach: warsztaty / hackathony
- Współpraca w sieci kontaktów Oracle: firmy, partnerzy, uczelnie, instytuty
- Bezpłatne wsparcie techniczne Oracle



# Zapraszam do kontaktu

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