



# Build AI Powered Enterprise with Oracle Cloud

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**Marcin Kozak**

Software Architect

## Safe Harbor

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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.

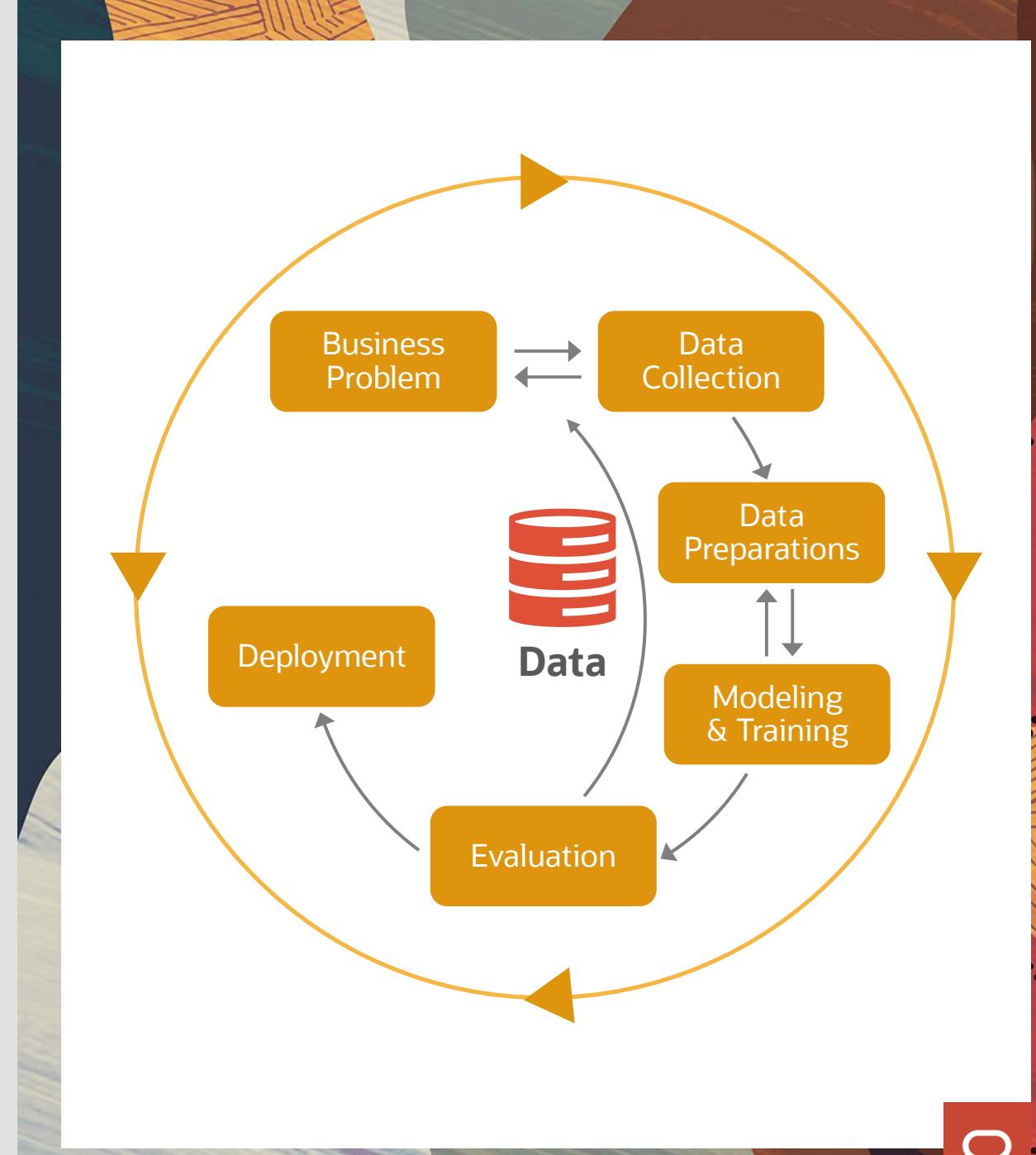
– Deloitte

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

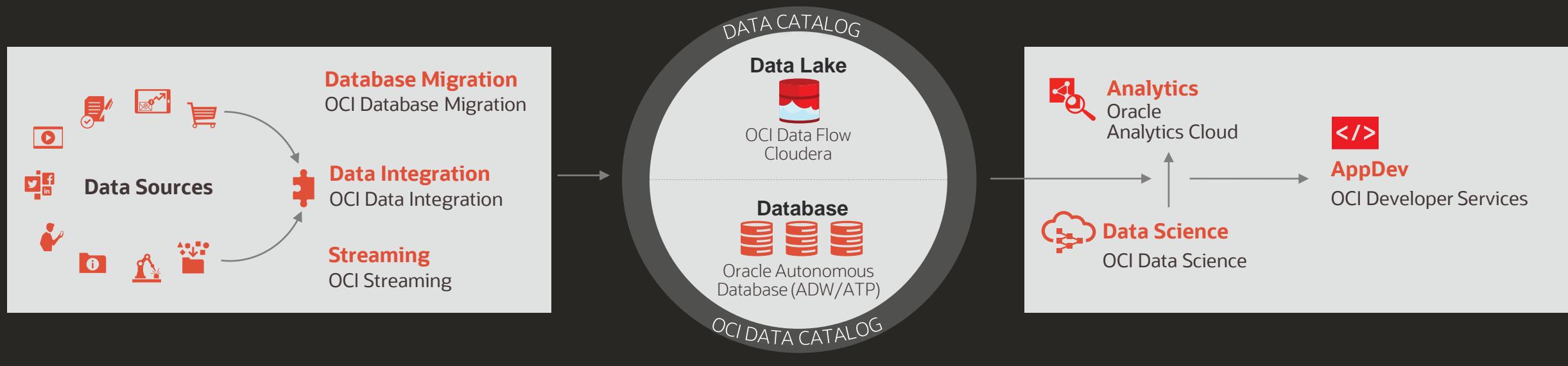


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# What Does Oracle Offer for AI?

# Oracle's Big Data and AI Platform Vision

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



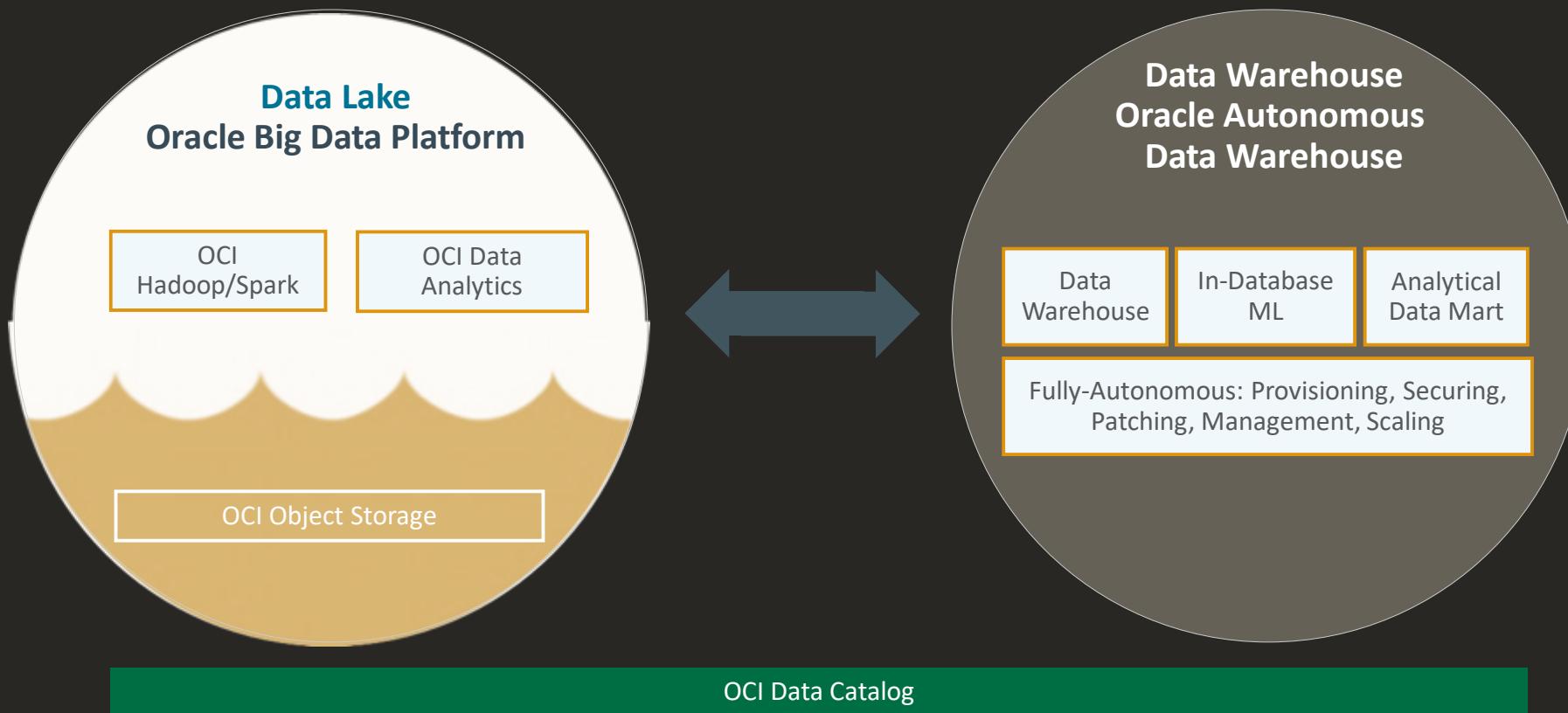
## Oracle Cloud Infrastructure

Data Engineer Data Scientist App Developer



# Manage and Process All Data for AI / ML

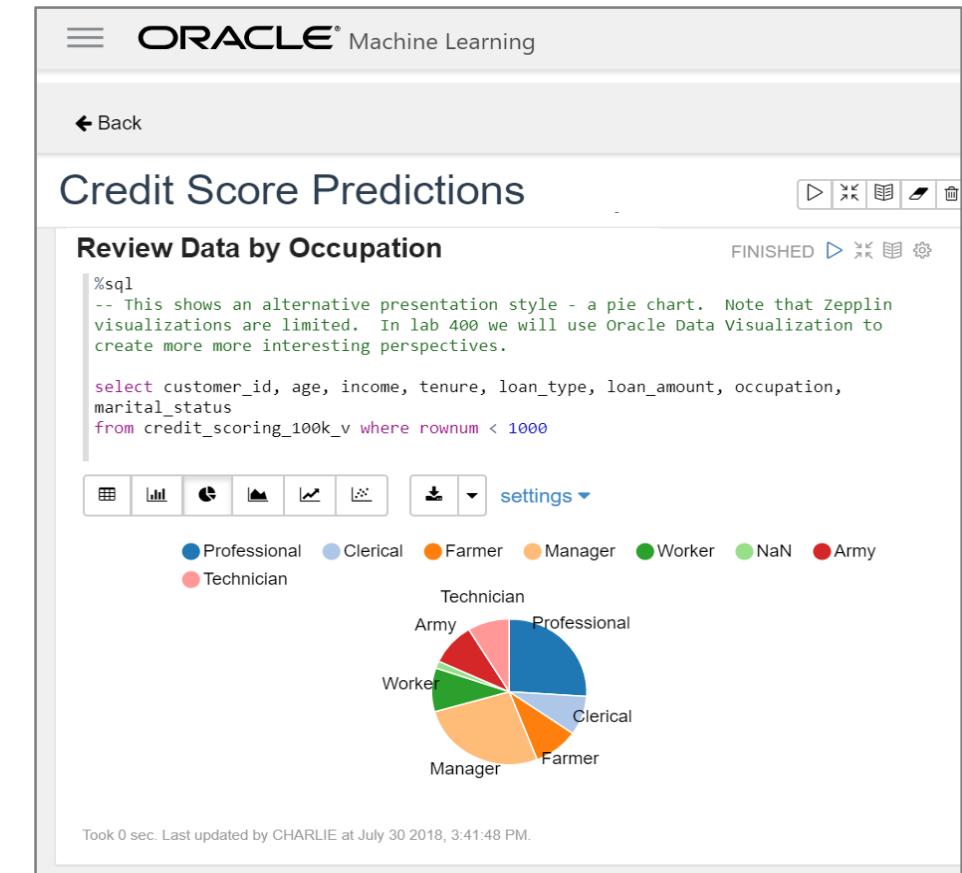
Best-in-class solutions to support any data type and analytical workload



# 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

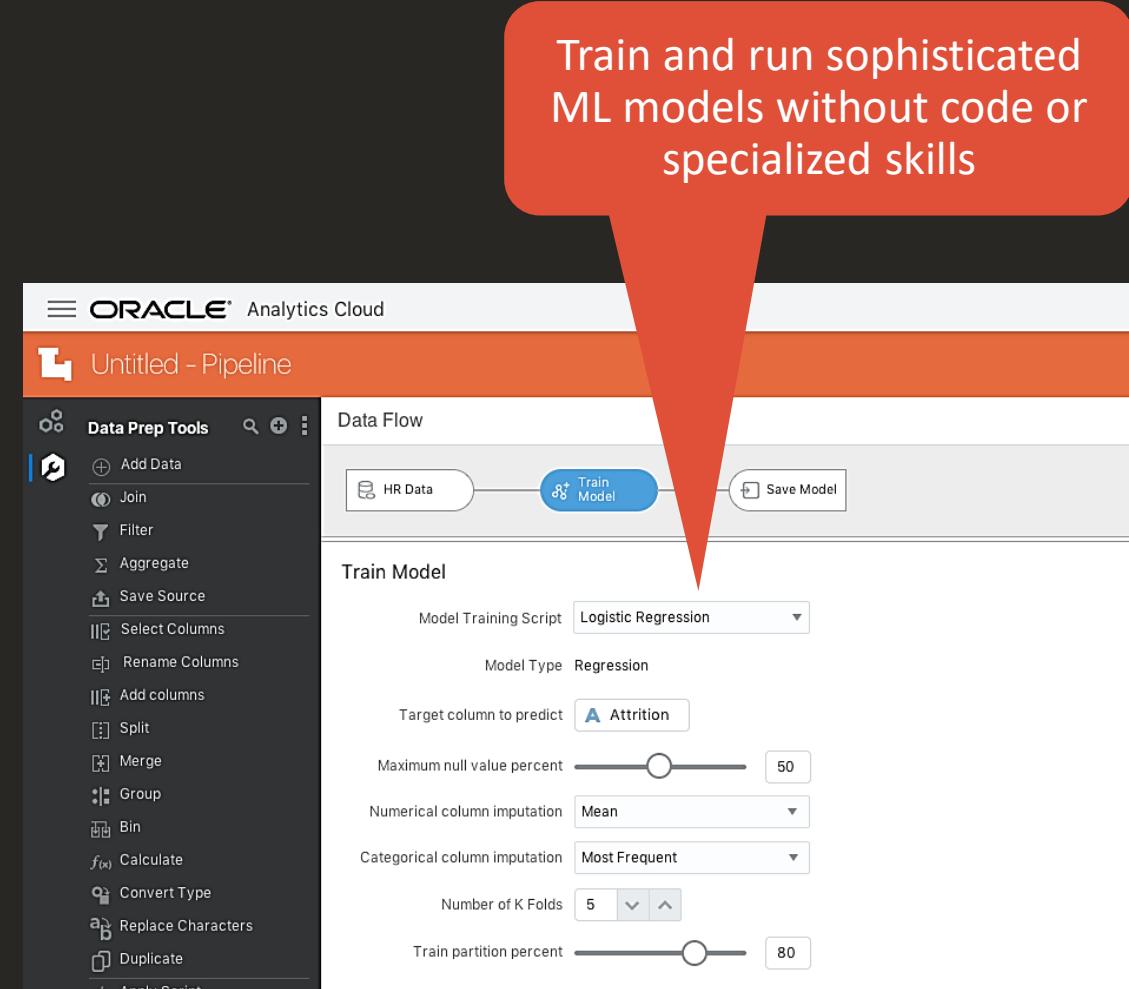
- Explain datasets for unbiased data-driven insights
- One-click forecasting, clustering and trends
- Natural language querying and generation via Mobile

### 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)



# 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



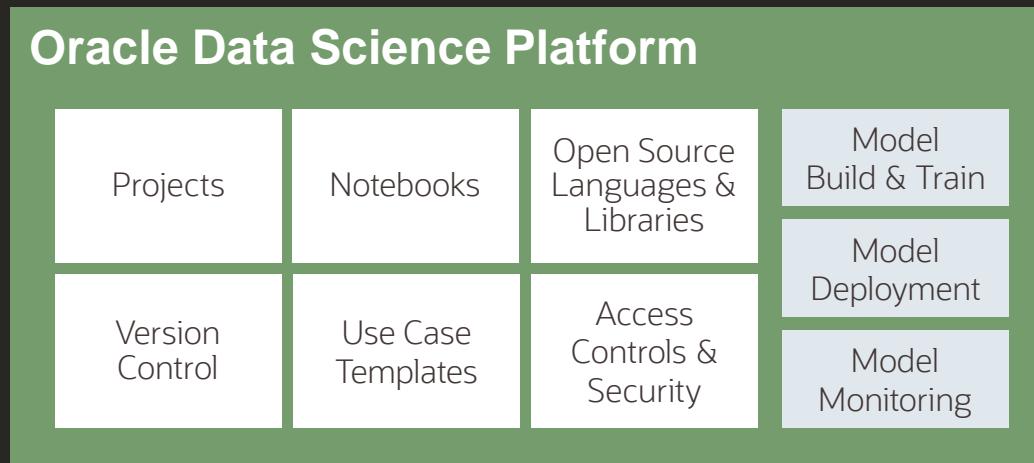
Want to improve access to authoritative data sources, and add seamless access to new data

## IT



Support diversity of data management needs and also existing enterprise expectations

# Oracle Cloud Infrastructure Data Science



Coming  
soon

## 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

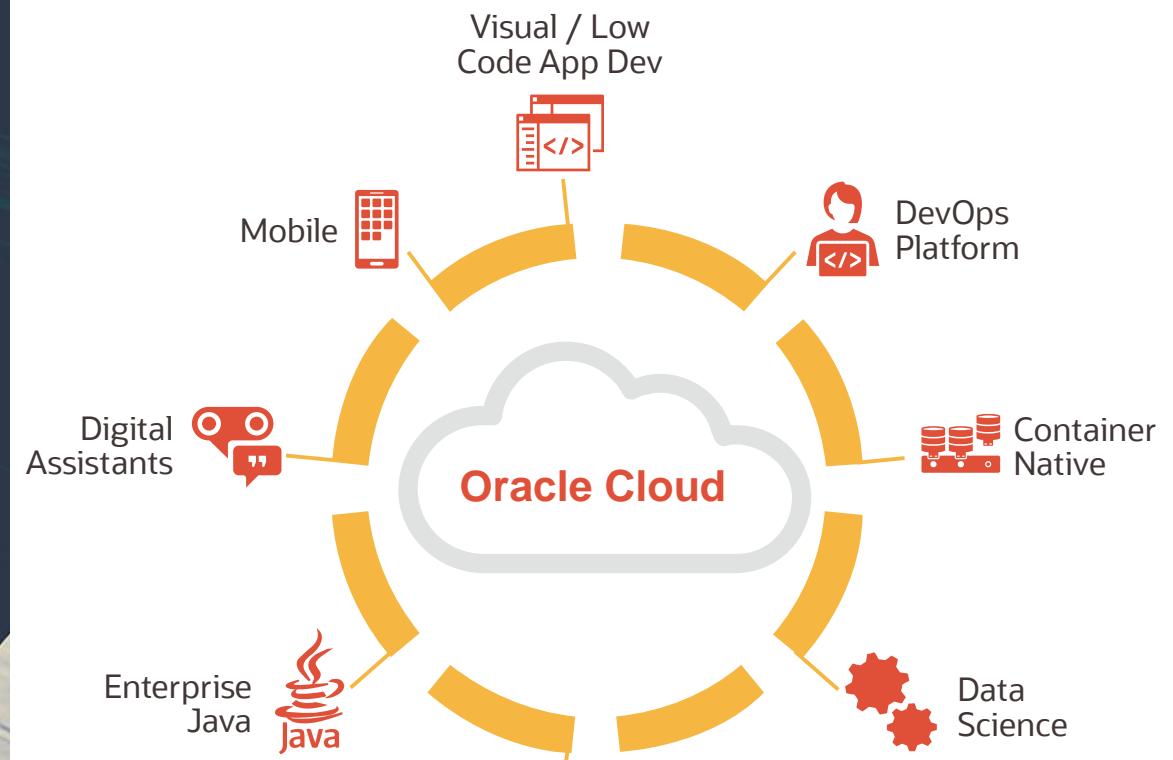
- Fully integrated CI / CD tools
- Expose applications across mobile, web, digital assistants
- Support for polyglot microservices development

## API-First Development

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

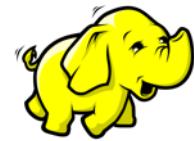
## Complete Lifecycle Management

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



# Open Source: Integral to Oracle

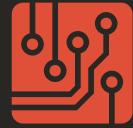
## Critical Component of Data Management



## 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

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[Oracle.com/AI](https://Oracle.com/AI)

ORACLE

# Oracle for Research

**Nowe technologie dla badań i komercjalizacji**

Tomasz Czarnecki  
Oracle Territory Manager  
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



## Uczelnia

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



## Uczelnie i instytuty

## Rozwiązania

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



# 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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**Tomasz Czarnecki**

[tomasz.czarnecki@oracle.com](mailto:tomasz.czarnecki@oracle.com)

