

# Journey to the center of the cloud

a pragmatic dialogue...

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# Cloud at Customer







# How do You Get the Benefits of Public Cloud Without Moving Data to a Public Cloud?



# Cloud at Customer is Not a Private Cloud

Cloud at Customer		Private Cloud
✓	Subscription-Based, Consumption-based Pricing	NO
✓	Public Cloud Services Behind Your Firewall	NO
✓	Compatibility with public Oracle Cloud	NO
✓	Fully Managed Cloud by Oracle	NO



# Cloud at Customer

**ORACLE®**  
CLOUD AT CUSTOMER

## Public Cloud



## On-Premises Data Center



Same Cloud,  
Your Choice of Location



Comprehensively  
Managed by Oracle

Oracle Cloud at  
Customer

Exadata Cloud at  
Customer

Big Data Cloud  
at Customer

**ORACLE®**

# Platform as a Service





# Cloud: Platform-as-a-Service

Content



Collaboration



Blockchain



IOT



AI & ML



Monitoring



Management



Big Data



Streaming



Analytics



Data Integration



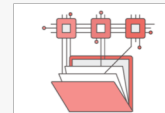
Service Integration



API Management



CASB & Security



Virtual Assistant



Data Management



Data Catalog



Application Development



Container Native &  
ServerLess



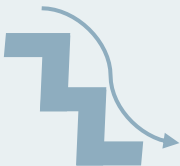





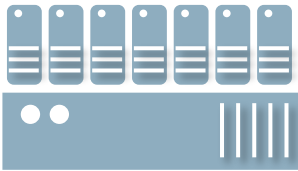

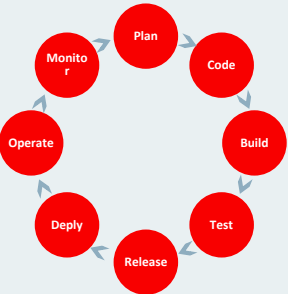
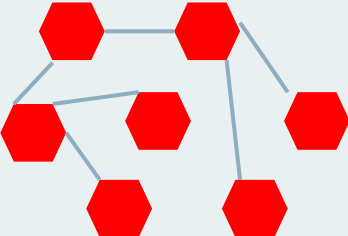
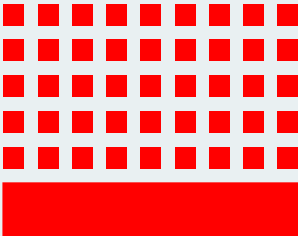

Visual Dev.



# Development



# Evolution of Development and Deployment

	Development Process	Application Architecture	Deployment and Packaging	Application Infrastructure
~ 1980	Waterfall 	Monolithic 	Physical Server 	Datacenter 
~ 1990				
~ 2000	Agile 	N-Tier 	Virtual Servers 	Hosted 
~ 2010				
Now	DevOps 	Microservices 	Containers 	Cloud 



# Oracle Cloud Platform: Application Development Services

Unique in Blending Traditional, Cloud Native and Low Code with End to End PaaS

## Oracle Platform for Cloud Application Development

### APPLICATION DEVELOPMENT



Application Container



Java



Functions



Mobile/  
Chatbots



SDKs  
(3<sup>rd</sup> Party, JET)

### VISUAL DEVELOPMENT



App/Mobile  
Builder



Content &  
Experience



Process  
Automation



Chatbot  
Builder

### COMMON SERVICES



Continuous Delivery  
(Developer Cloud)



Containers / K8s  
(Docker, Orchestration)



APM/Log  
Analytics



Event Hub  
(Kafka) Cloud



Messaging  
Cloud



API  
Management



Identity

### DATA SERVICES



Database



MySQL



NoSQL



Big Data

### INTEGRATION SERVICES



Integration



SOA



Internet of  
Things

Compute (VM, Bare Metal)

Network

Storage

Infrastructure as a Service

# Oracle Cloud Infrastructure and Kubernetes

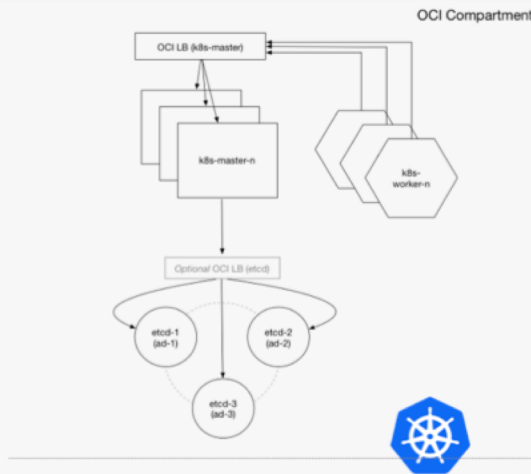
Roll Your Own, Pre-Built Installer, Managed Service, Tools for Cloud@Customer

OCI



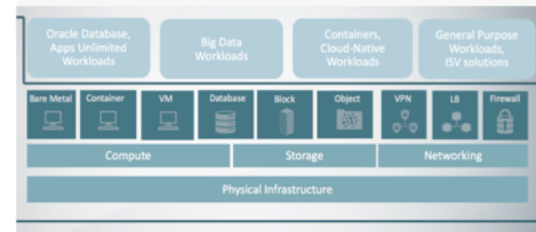
DIY Container  
Management

Quickstart Experience  
OSS Terraform Installer on GitHub



Unmanaged  
Kubernetes Service

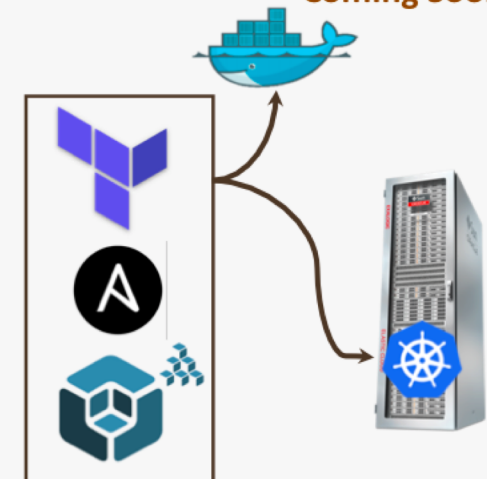
OCI Container Engine  
for Kubernetes



Enterprise Class Managed  
Kubernetes Service

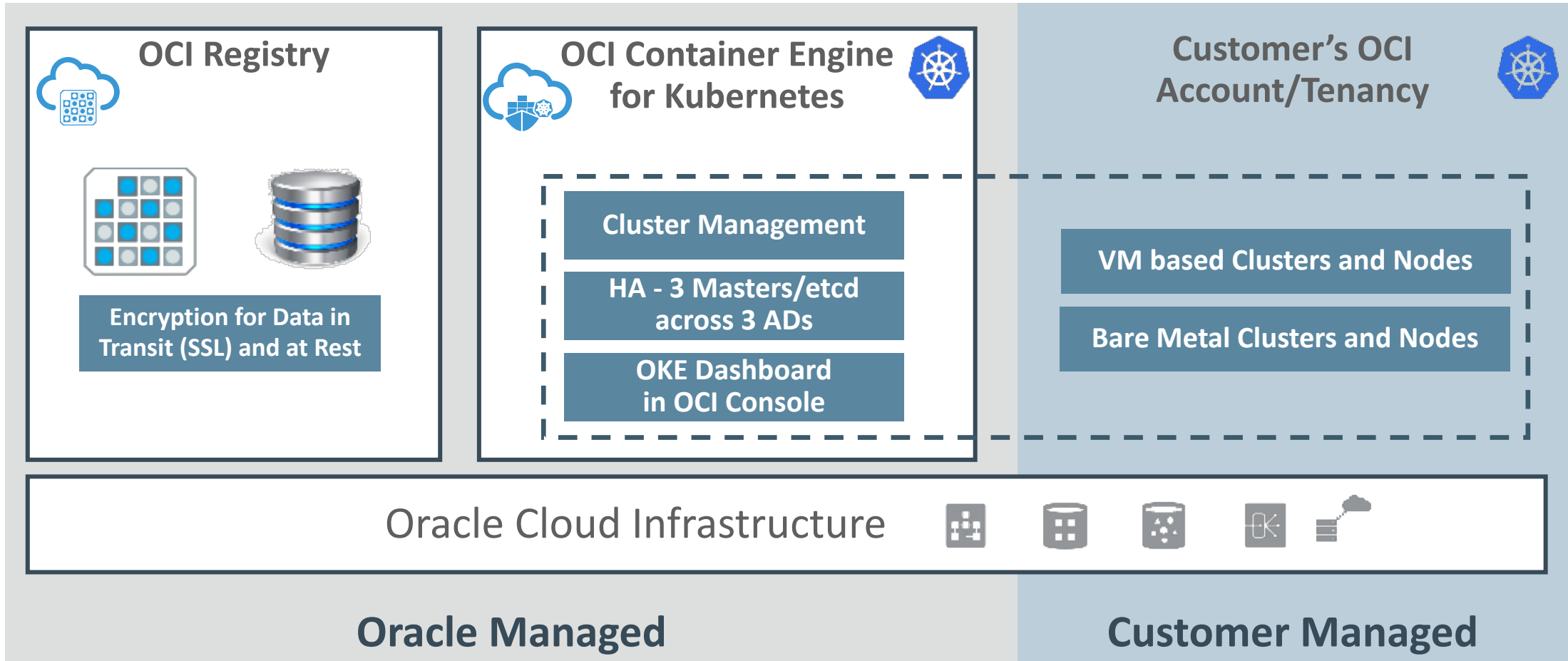
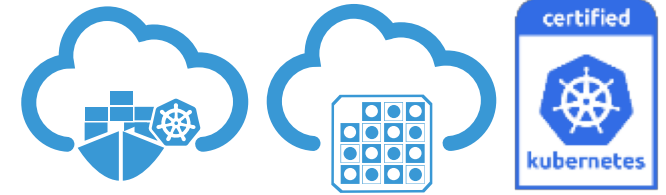
Manager for  
Kubernetes on  
Cloud@Customer

Coming Soon



Enterprise Tools for  
Managing Kubernetes

# Working with OKE and OCIR on OCI

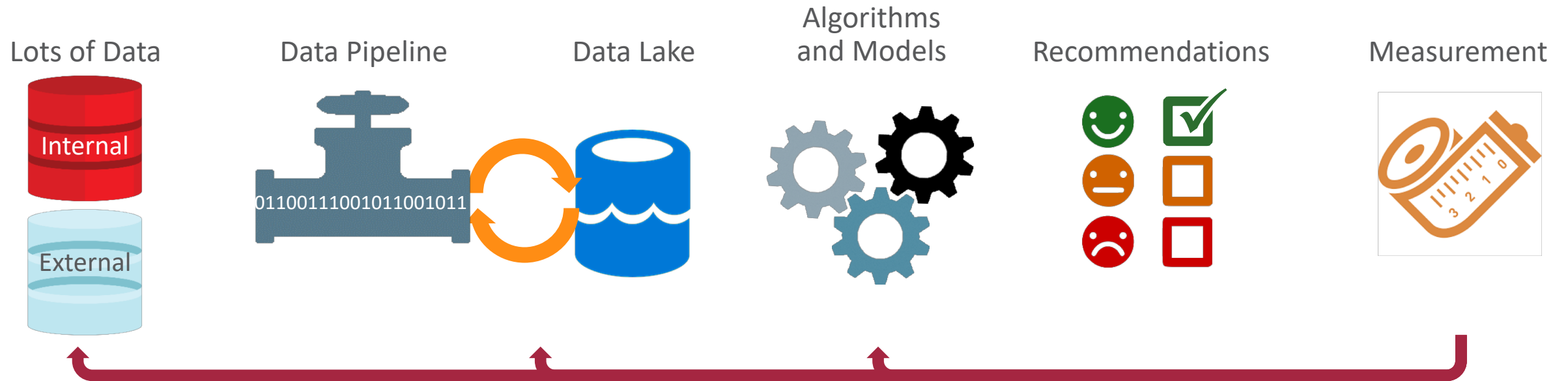




# Transformational Technologies



# A Simple Example of How Machine Learning Works

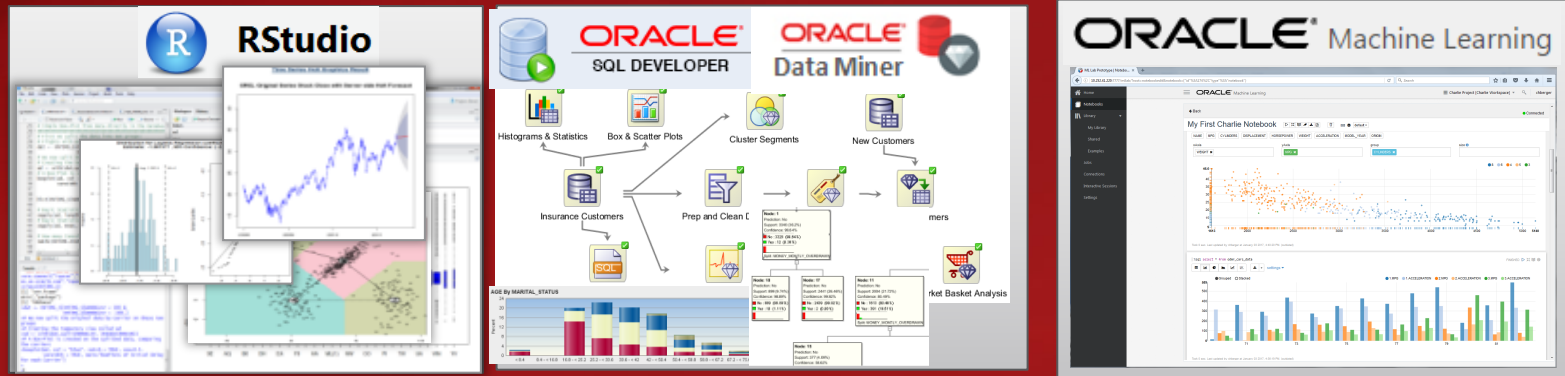


Do-it-yourself machine learning can be very difficult and expensive

Oracle strategy: **make machine learning easy to put to work**

# AI, ML ? Manage and Analyze All Your Data First

Architecturally,  
Many Options  
and Flexibility



SQL / R



Boil down the Data Lake

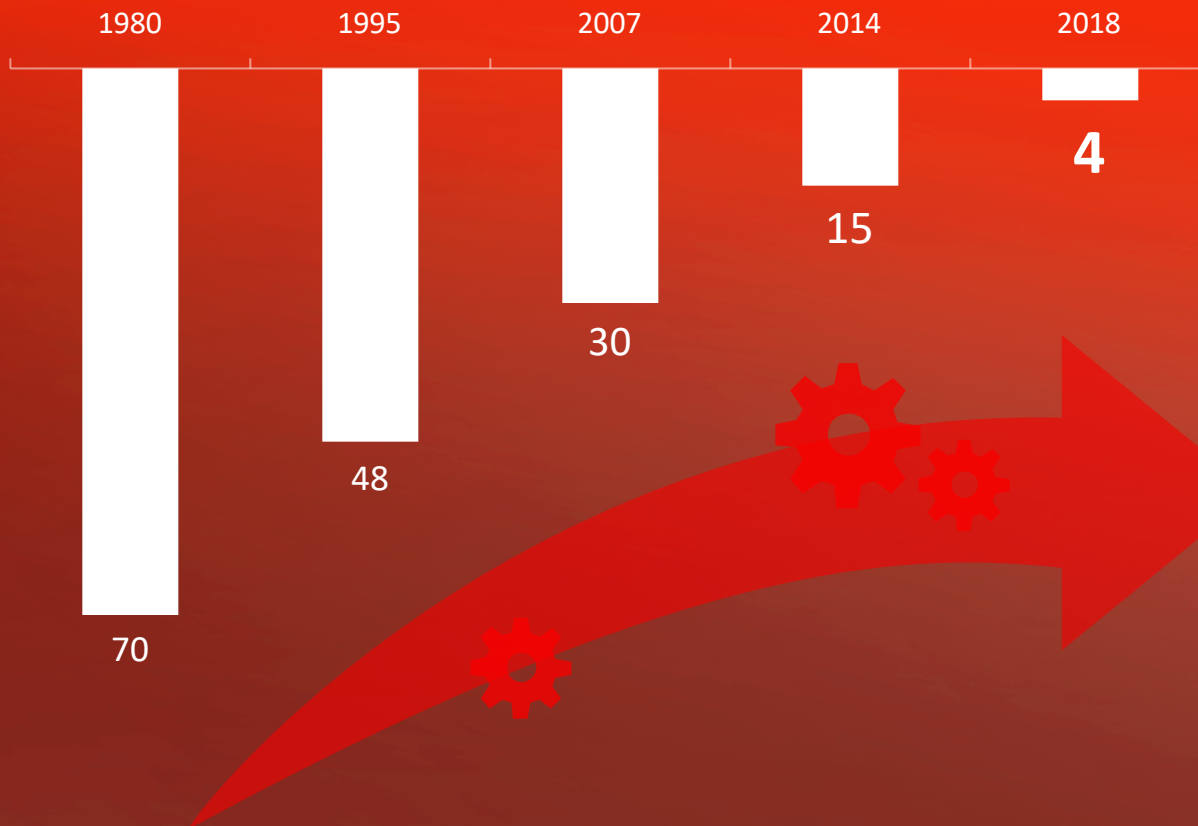
Big Data SQL / R





# The Journey to Autonomous Database

## Steps to create a database

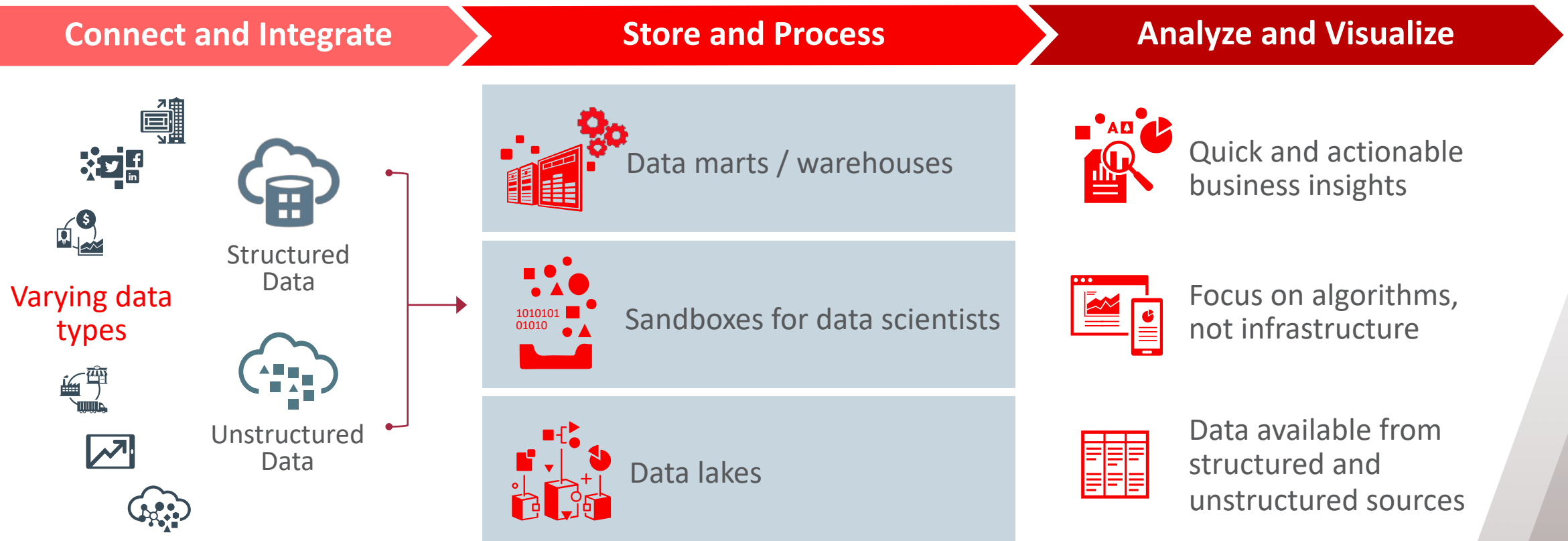


Culmination of 40 years of automation

Into a fully managed, autonomous service

Eliminates manual labor tasks

# Key Use Cases for Autonomous Data Warehouse Cloud



# Autonomous Completes the Journey

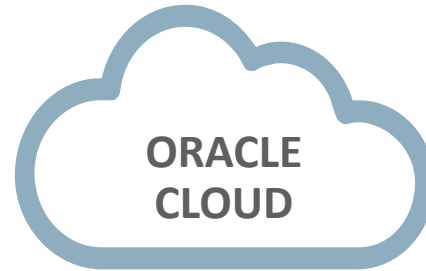
- Start new app dev project in minutes



**Complete  
Infrastructure  
Automation**



**Complete Database  
Automation**



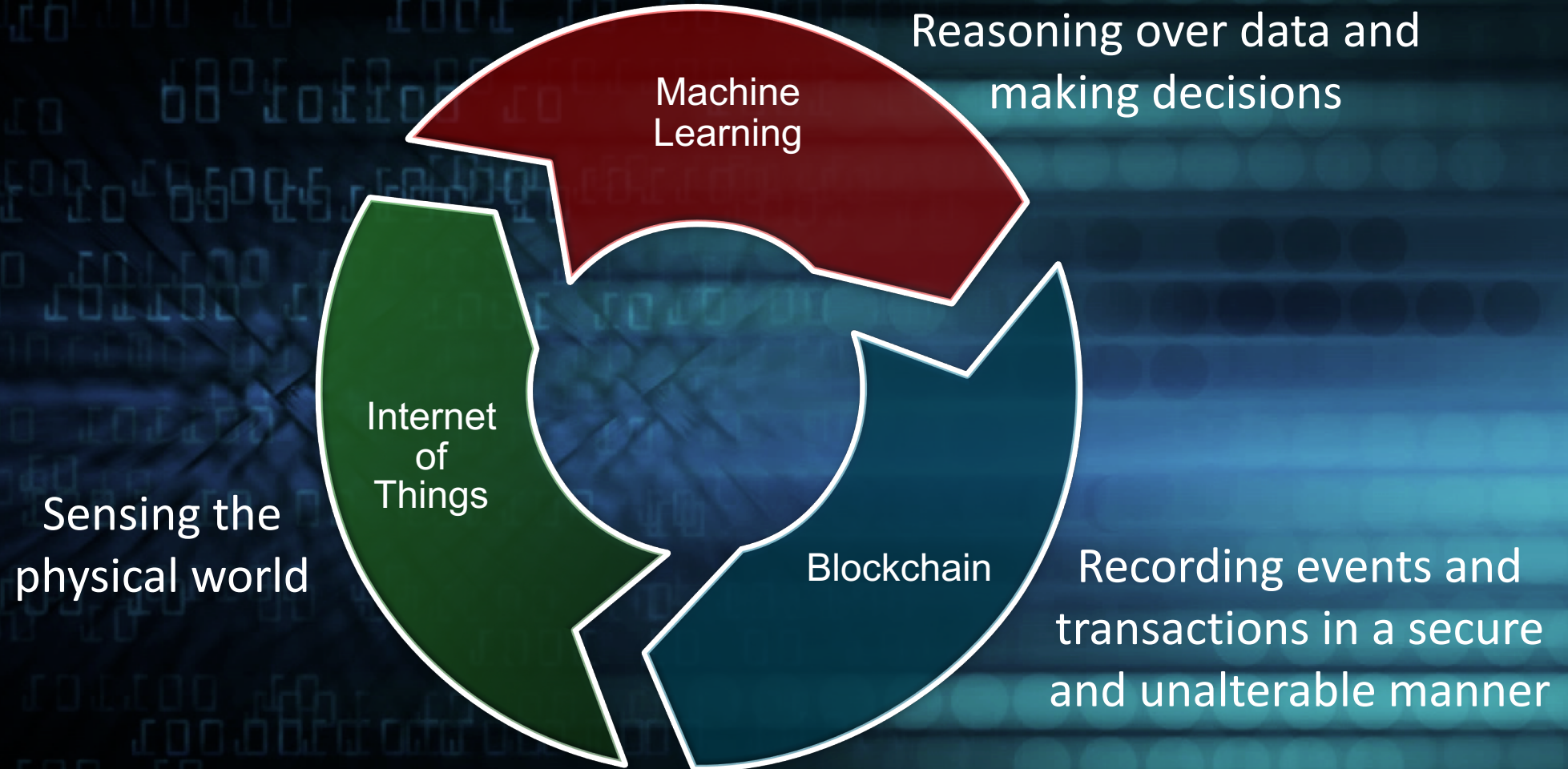
**Automated Data  
Center Operations and  
Machine Learning**



**ORACLE  
AUTONOMOUS  
DATABASE**

World's First Fully Autonomous Database: [Load Data and Run queries](#)

# Real Transformational Power Arises from Combinations





# Integrated Cloud

## Applications & Platform Services

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