

# What is SAP Leonardo?

Carsten Nitschke, SAP @cochesdiez April, 2018



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# **UBER**



TRANSFORMATION

# **UPS**



**OPTIMIZATION** 



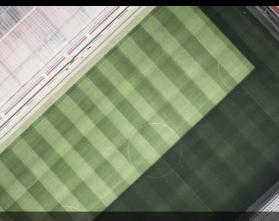


## **Common Approaches**



Incubate exploratory skunkworks projects;

Often with no clear plan to integrate into operations



Proceed with projects using niche point solutions;

**Implement** 

**Tactically** 

Often without a broader organizational strategy



Develop large-scale, bold, multi-year initiative;

Often having multiple goals with unclear achievability



Use traditional methods to optimize current operations while monitoring progress of others;

Often surrendering first mover advantage



## **What We Do**



## **Process Expertise**

76% of the World's Transaction Revenue



## **Ecosystem**

**16,300** SAP Partner Companies



## **Industry Experience**

25 Industries



## **Global Reach**

355k+ Customers

180 Countries

# We've Helped You Transform Before...







## DATA IS THE NEW CURRENCY

## Data you possess



- Customer records
- Transactional systems
- Predictive models
- Institutional expertise
- Operational systems

### Data outside your firewall

- News
- Events
- Social media
- Weather
- Geospatial information



## Data that's coming

- Internet of Things (IoT)
- Sensory data
- Images
- Video

Structured and active

Unstructured and dark

## **Foundational Shifts Already in Progress**

Human Machine

Knowledge work previously done by people, now handled by intelligent systems.

Product Platform

Platform economics are substantially more attractive, and prone to network effects and natural monopolies.

Core Crowd

What was once all internal to the business can now be done in an ecosystem. Blurring the lines between what is in the company and what isn't.

Faster Innovation with Less Risk.

Proven Methodology.
Innovative Technology.
Industry Accelerators.
You.



## **Example of Process Innovation**



86%

reduction of purchase requisition rejections

**Increased** 

asset, maintenance & people effectiveness

4 Weeks

until prototype was up and running

#### **Optimized Process**



Purchase Requisition Issued



Item Ordered



Invoice Sent



Invoice Matched to PR



No Match Found



Machine Learning / Intelligent Matching



Human Intervention

## **SAP Leonardo Approach**

**Proven** Methodology

**Innovative Technologies** 

**Industry Accelerators** 















#### **Design Value Index (DVI)**

Apple

Ford

- Coca-cola

- Herman Miller
- IBM
- Intuit
- Nike
- Procter & Gamble

- SAP
- Stanley Black
  - & Decker
- Starbucks
- Starwood
- Steelcase
- Target
- Walt Disney
- Whirpool

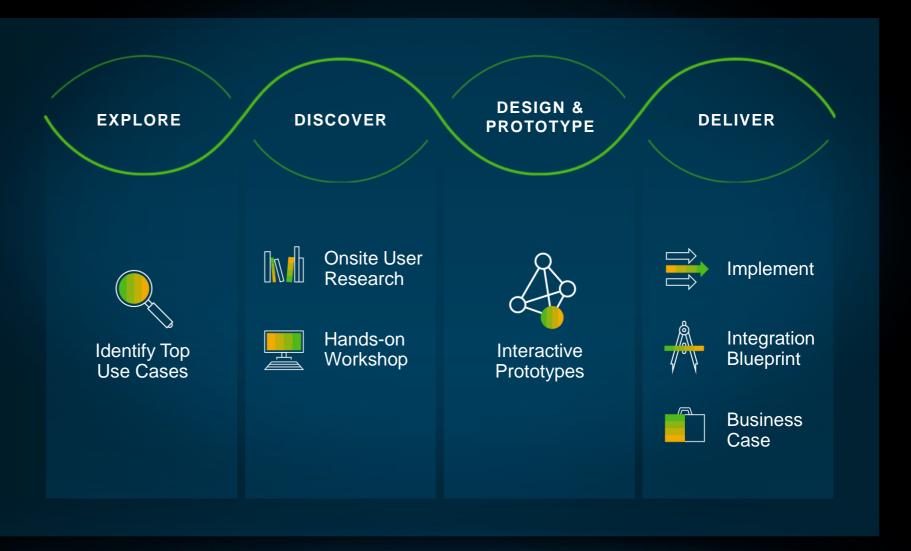


## **SAP Leonardo Approach**

1 Proven Methodology

InnovativeTechnologies

3 Industry Accelerators

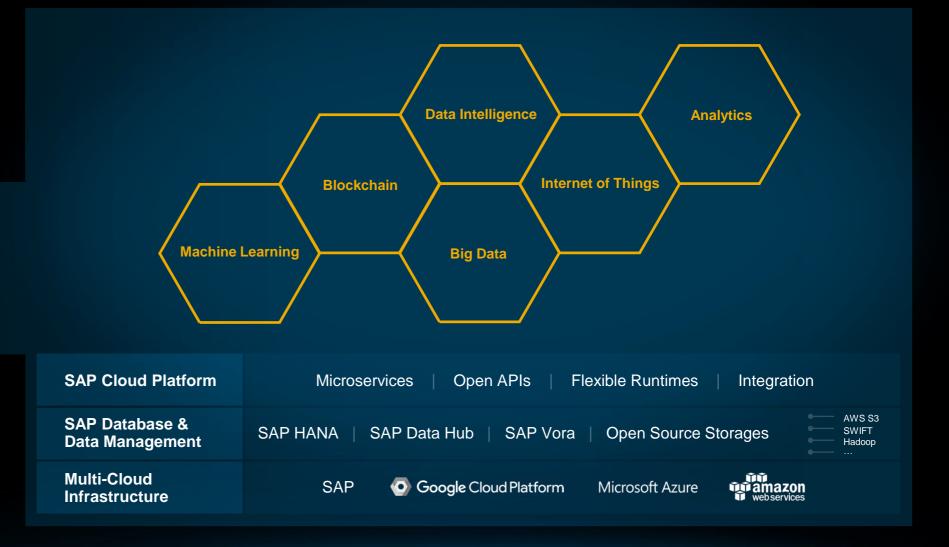


## **SAP Leonardo Capabilities**

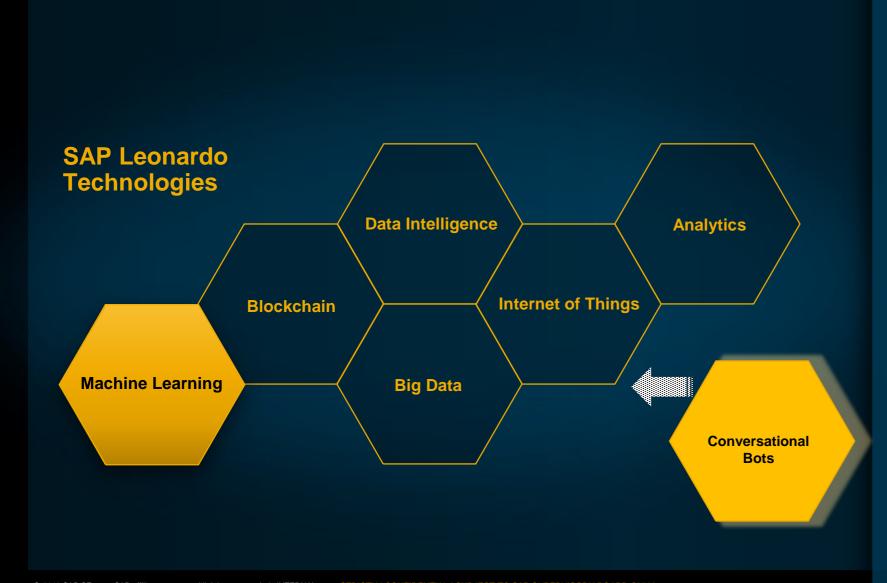
1 Proven Methodology

InnovativeTechnologies

3 Industry Accelerators



## **SAP Leonardo** Digital Innovation System



## **Machine Learning**

#### **Applications**

- SAP Cash Application
- SAP Brand Impact
- SAP Service Ticketing
- SAP Fraud Management
- SAP Customer Retention

#### **Conversational UI**

- Conversation Al Foundation
- SAP CoPilot

#### **Services**

- Document Feature Extraction
- Image Feature Extraction
- Time Series Change point Detection
- Time Series Forecast Translation
- Image Classification

**Proven** Methodology

**Innovative Technologies** 

Industry Accelerators

Retail Assets Logistics **Chemicals** 

Service &

Assets

Spare Parts









Discrete

Manufacturing

Service &

Assets

 Logistics Spare Parts

Assets



Logistics



 Service & Assets

Assets

Oil & Gas



Operations

1 Proven Methodology

InnovativeTechnologies

3 Industry Accelerators

#### **Use Cases**

#### Retail



Improve logistics to reduce costs, redefine the shopping experience, maximize profits and customer satisfaction.

Gather data across the supply chain, gain insights and make predictions for better actions.

# **Consumer Products**



Optimize asset operation, inventory and pricing, while reducing loss and predicting stock needs.

IoT cloud connections allow sensor monitoring & predictions on live data.

# Discrete Manufacturing



Achieve higher customer satisfaction and improved costs by enabling preventative maintenance.

Incorporate 3D printing into existing digital manufacturing processes and predict needs.

#### **Utilities**



Better customer satisfaction with improved operations & reduced outages.

Predictive maintenance & Asset Intelligence to ensure equipment is used & maintained properly.

#### **SAP Leonardo Centers**



**Experience Spaces** 

Tangible Showcases

**End-to-end Offerings** 

#### A Global Network to Help Our









Customers

**Partners** 

**Startups** 

Universities

#### In Their Digital Transformation Journey











loT Analytics Big Data

Machine Learning Blockchain



#### Supported by Our Partners











System Integrators

Software Solution **Providers**  Technology **Partners** 

IoT Sensor and Machinery **Partners** 

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## **Next Steps**



# Thank you.

Contact information:

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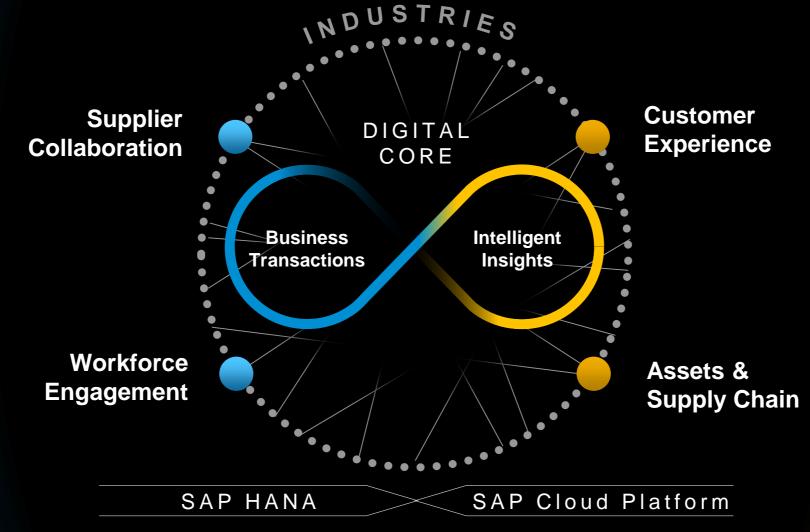
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Address

Phone number



# SAP Leonardo Builds on SAP Digital Transformation Framework



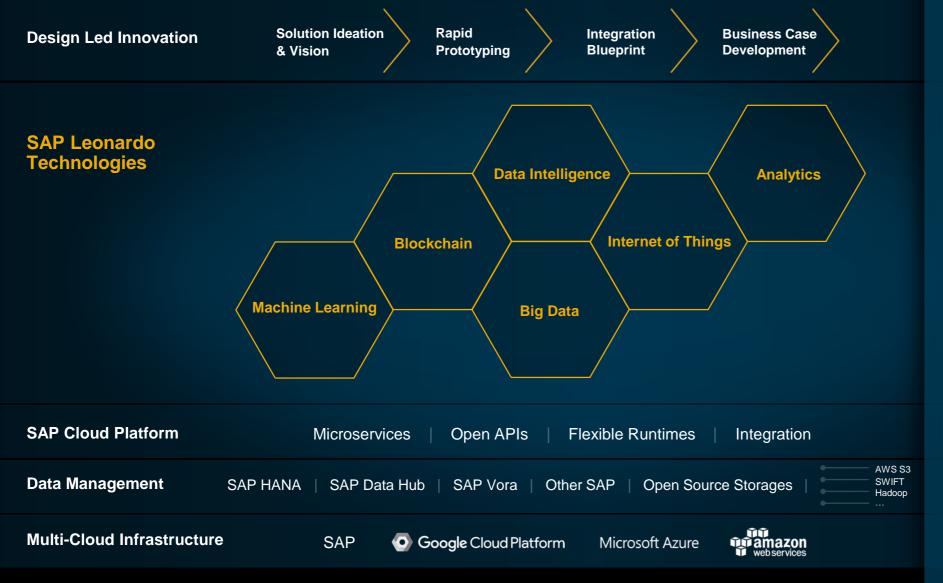
#### **SAP Leonardo Innovation Services**

#### **Customer View SAP Portfolio / Offerings View Explore Workshop** Explore **Open-Innovation Express Enterprise** Pre-defined use cases • New / individual use case • Many new / individual use cases Digital Design Zone • industry and lob accelerators Digital Design Zone SAP Cloud Platform SAP Cloud Platform SAP Cloud Platform Discover Showroom Empowerment Design Prototype Deliver Outcome Outcome Outcome Functional prototypes Functional prototype Functional prototype • Scenario Design & Architecture Scenario Design & Architecture • Scenario Design & Architecture Value Assessment Value Assessment Knowledge access & inspiration examples Value Assessment (F) Implementation Services **Implementation**

# SAP Leonardo Customer Engagement Model

| Awareness                 | Explore                                | Design & Prototype     | Deliver   | Scale                                      |
|---------------------------|--|------------------------|---|--|
| Leonardo Academies        |  | 2                      | 3   | - Additional Leonardo                      |
| Events                    | One Day Design<br>Thinking<br>Workshop | Contractive            | t Functional Prototype  | services to deploy,<br>scale up and pursue |
| Customer Interest         |  | Prototype in SAP BUILD | <ul><li>Value Assessment</li><li>Scenario Design &amp; Architecture</li></ul> |  |
| The Two Paths of Leonardo |  |                        |   |  |
| Accelerator Path          | 1 day                                  | 1-2 weeks              | 6-8 weeks   |  |
| Open Innovation Path      | 1 day                                  | 2-4 weeks              | 8-10 weeks  |  |

<sup>\*</sup> For Premium Engagement / MaxAttention customers



#### Open



#### Rich

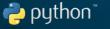
- Security Analytics
- Business Services Mobile
- UX & Collaboration Integration

#### **Ecosystem**

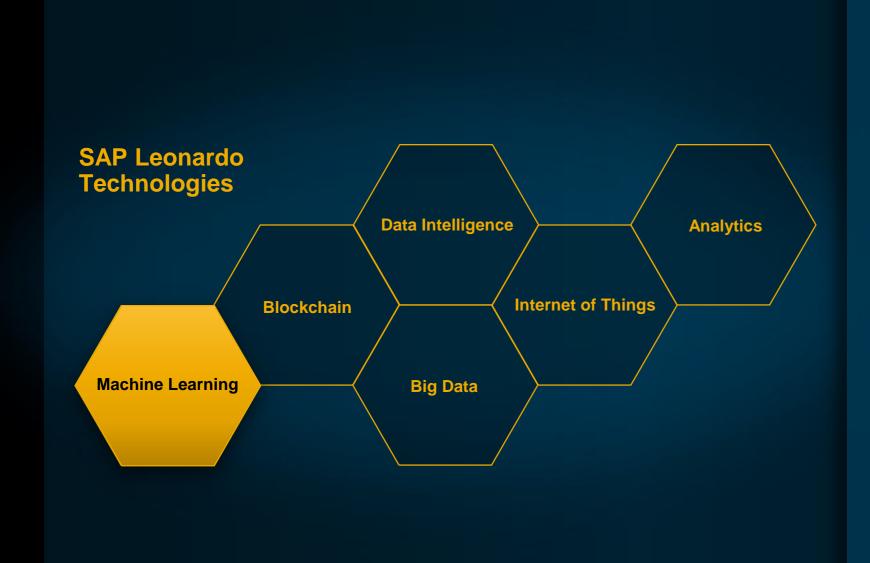












## **Machine Learning**

#### **Applications**

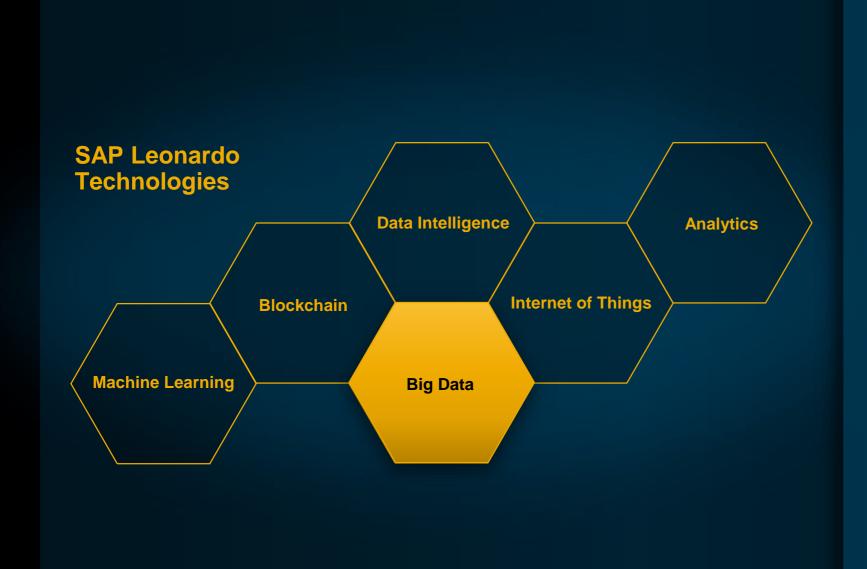
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## **Big Data**

#### **Data Hub**

- Manage, scale & govern the entire data landscape
- Create pipelines to connect systems & data stores
- Hybrid solution for both on-premise & cloud

#### Open













Microsoft Azure

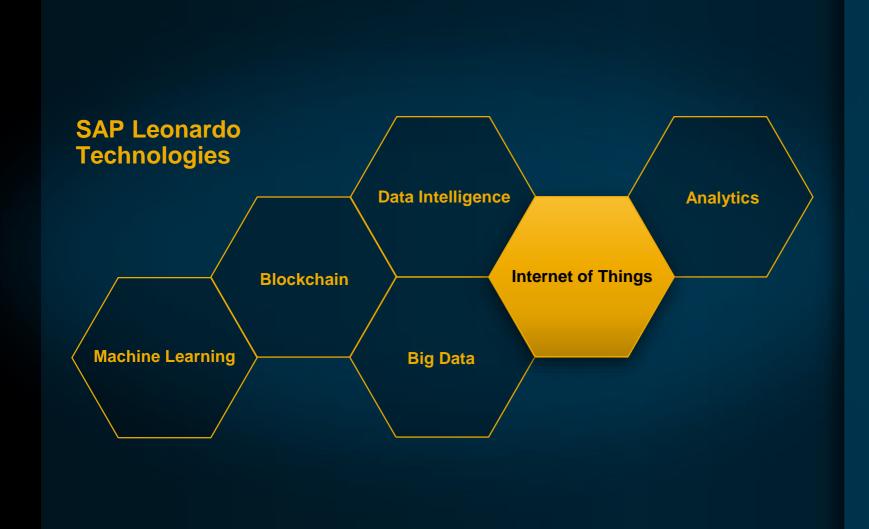


**Google** Cloud Platform

#### **Scalable**







## **Internet of Things**

#### **SAP Leonardo Bridge**

- Integrated & extendable suite
- Real-time view of connected things
- Built on business processes

#### **IoT Applications**



Connected Products



Connected Machines



Connected Fleet



Connected Infrastructure



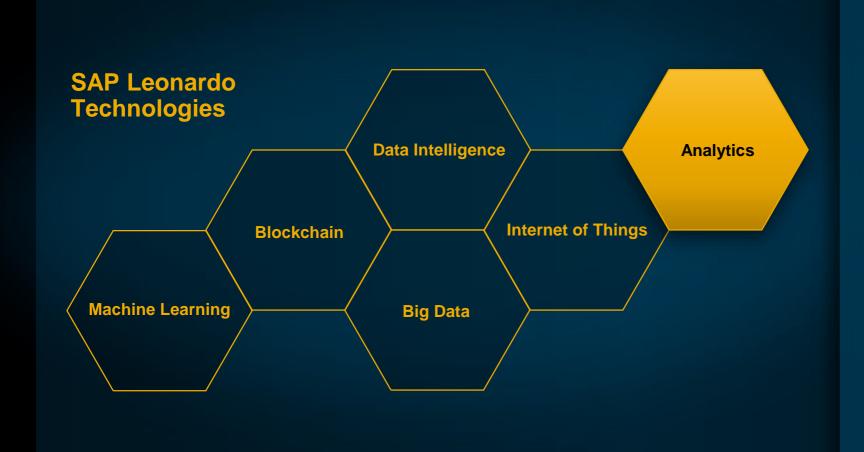
Connected Markets



Connected People

#### **IoT Services**

- Edge Services
- App Enablement
- Thing management



## **Analytics**

#### Comprehensive







Business Intelligence

**Planning** 

Predictive

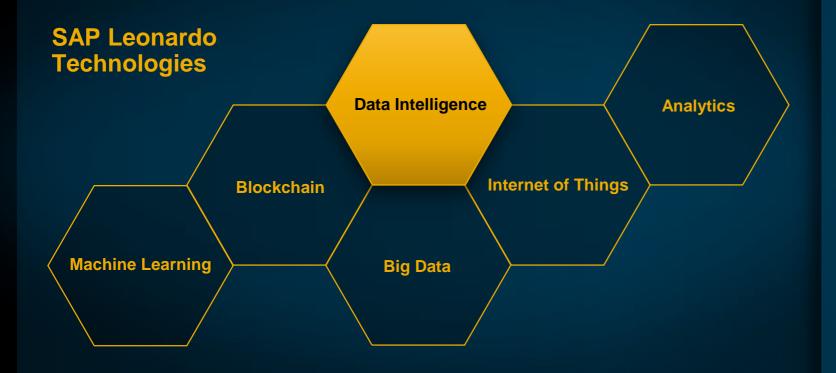
- Real time view of entire business
- Enable transformation by to connecting to various data sources

#### **Portfolio**

- SAP Analytics Cloud
- SAP Predictive Analytics
- Digital Boardroom

#### **Predictive**

- Enable citizen data scientists
- Robust set of tools for a variety of use cases



## **Data Intelligence**

#### **Live Insights**

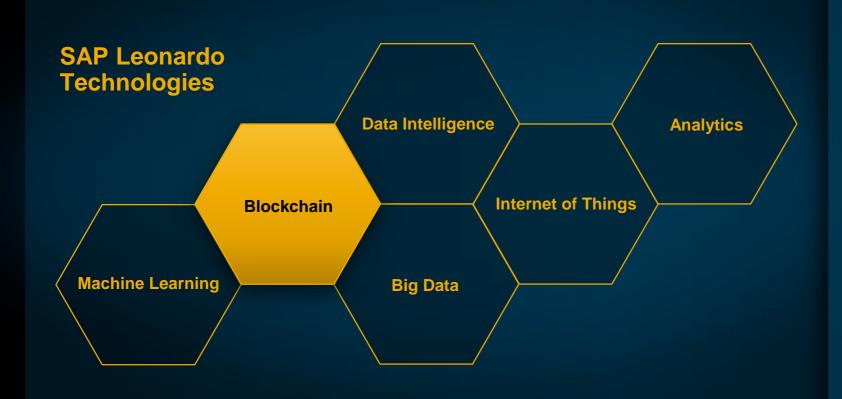
- Powered by machine learning
- Turn transactions from SAP cloud solutions into actionable insights

#### **Live Customer Cloud**

- Cloud data monetization platform
- Create the ecosystem, connect the data & extract the insights
- Anonymization and distribution services

#### **Data Services**

- Standardized data sets
- Processing services
- Industry & LoB data services



#### **Blockchain**

#### **Ecosystem**



- Integrate into existing blockchain ecosystems
- Out-of-the box platform support and predefined extensions

#### **Build**

- SAP Cloud Platform Blockchain Service
- Value-added & application integration services
- Build blockchain and LoB process extensions for SAP and non-SAP
- Combine distributed ledger functionality with other SAP Leonardo capabilities

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