



The Top 10 Strategic Technology Trends for 2017

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Intelligent

Advanced Machine Learning and AI

Intelligent Apps

Intelligent Things

Digital

Augmented and Virtual Reality

Digital Twin

Blockchain and Distributed Ledger

Conversational Systems

Mesh App and Service Architecture

Digital Technology Platforms

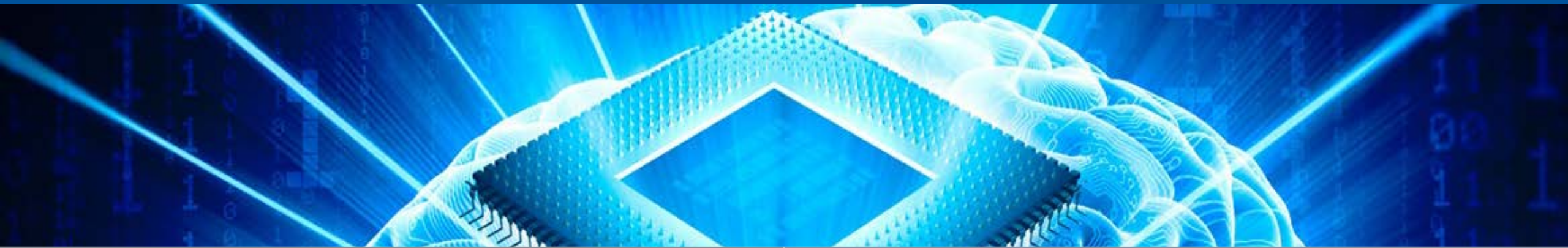
Adaptive Security Architecture

Mesh

Intelligent Digital Mesh

AI will be a primary battleground for service providers through 2020.

By 2020, **20%** of enterprises will employ dedicated people to train neural networks.



Well-Scoped Purpose

Evolution of Data Science

Deal With Complexity

Model-Driven, Content as Code

Understand, Learn, Predict, Adapt

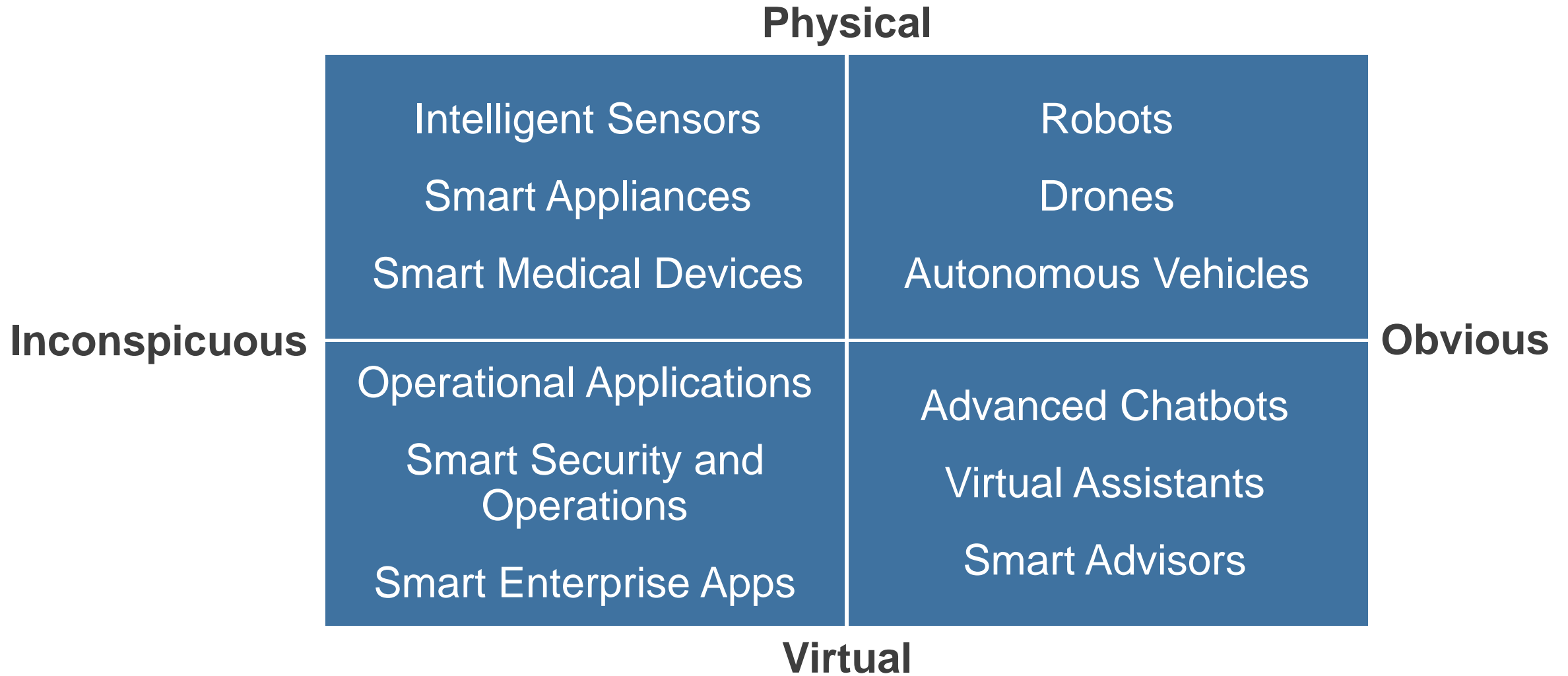
Supervised, Unsupervised, Reinforcement ... and Deep Learning

Act Autonomously

Context- and Event-Driven



Intelligent Apps and Intelligent Things: Intelligence Anywhere and Everywhere





Intelligent **Digital** Mesh

CEOs expect that, by 2020, **46%** of the customer-perceived value proposition of their products and services will be digital.

Blending the digital and physical domains is the **primary driver** of digital business value.

Virtual and Augmented Reality: It Creates an Immersive Digital World



Explore Your Trip

Plan Your Project

Game Your Reality

Cinema



Music and Sports



Education



Real Estate



Gaming



Journalism



Healthcare



Retail



Legal



Surgical Training



Hospitality



Virtual and Augmented Reality: Enabling Digital Business Moments and Models



Simulated Experiences

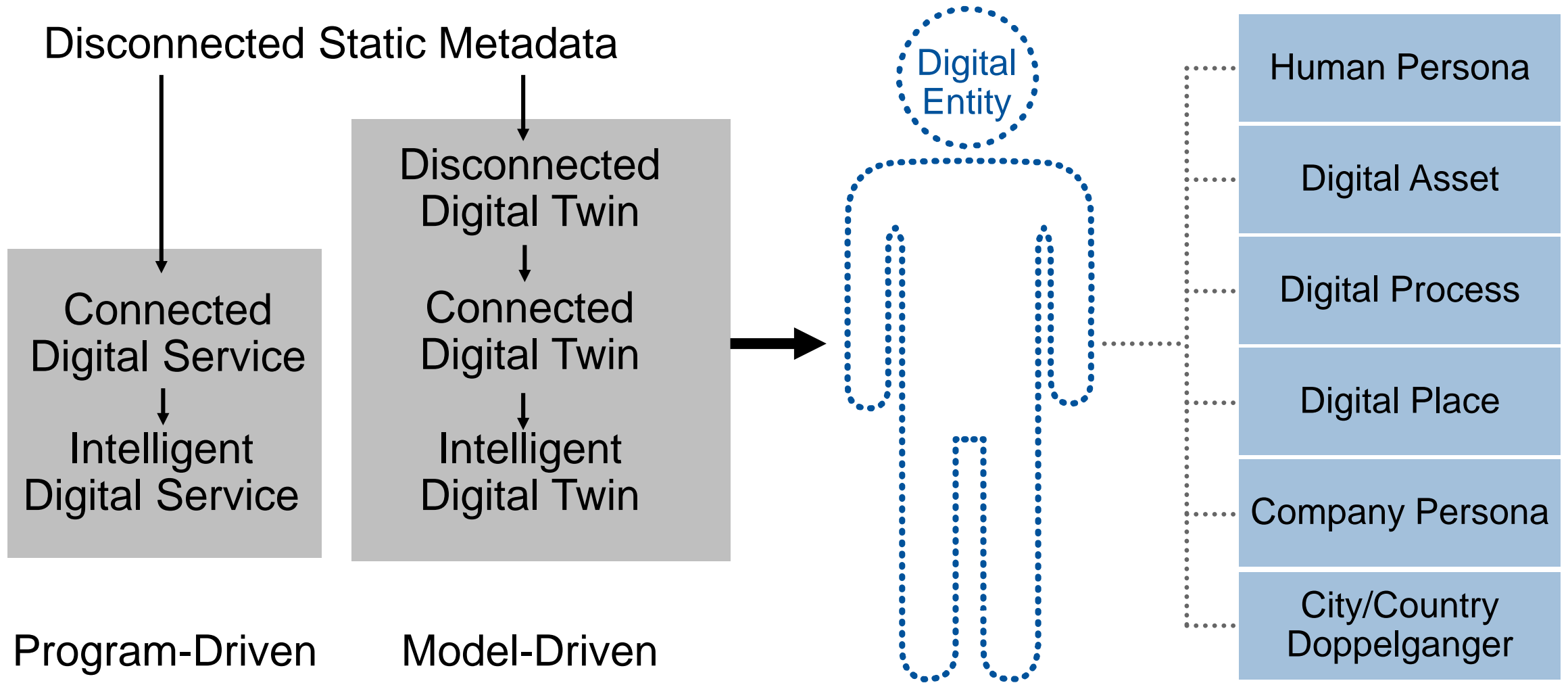


Healthcare Therapies

Maintenance and Repair

Molecular Modeling

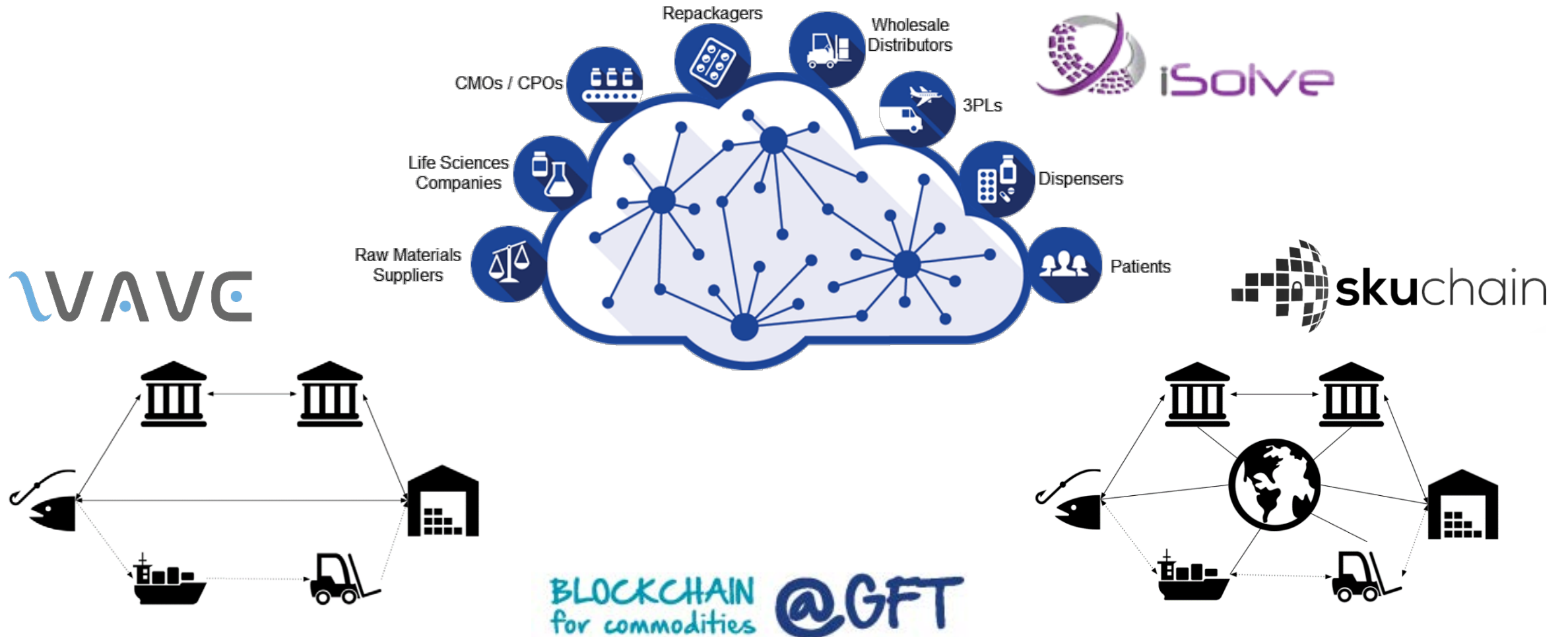
Digital Twin: An Evolving and Expanding Digital Universe



- Mechanism for adding trust in an untrusted environment and reducing business friction
- An irrevocable record of significant data and events, such as monetary transactions, property records or other valued assets
- Not just a passive data record, but can optionally add dynamic programmed behavior to events



Blockchain and Distributed Ledger: Trillion-Dollar Opportunity in Supply Chain



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Intelligent Digital **Mesh**

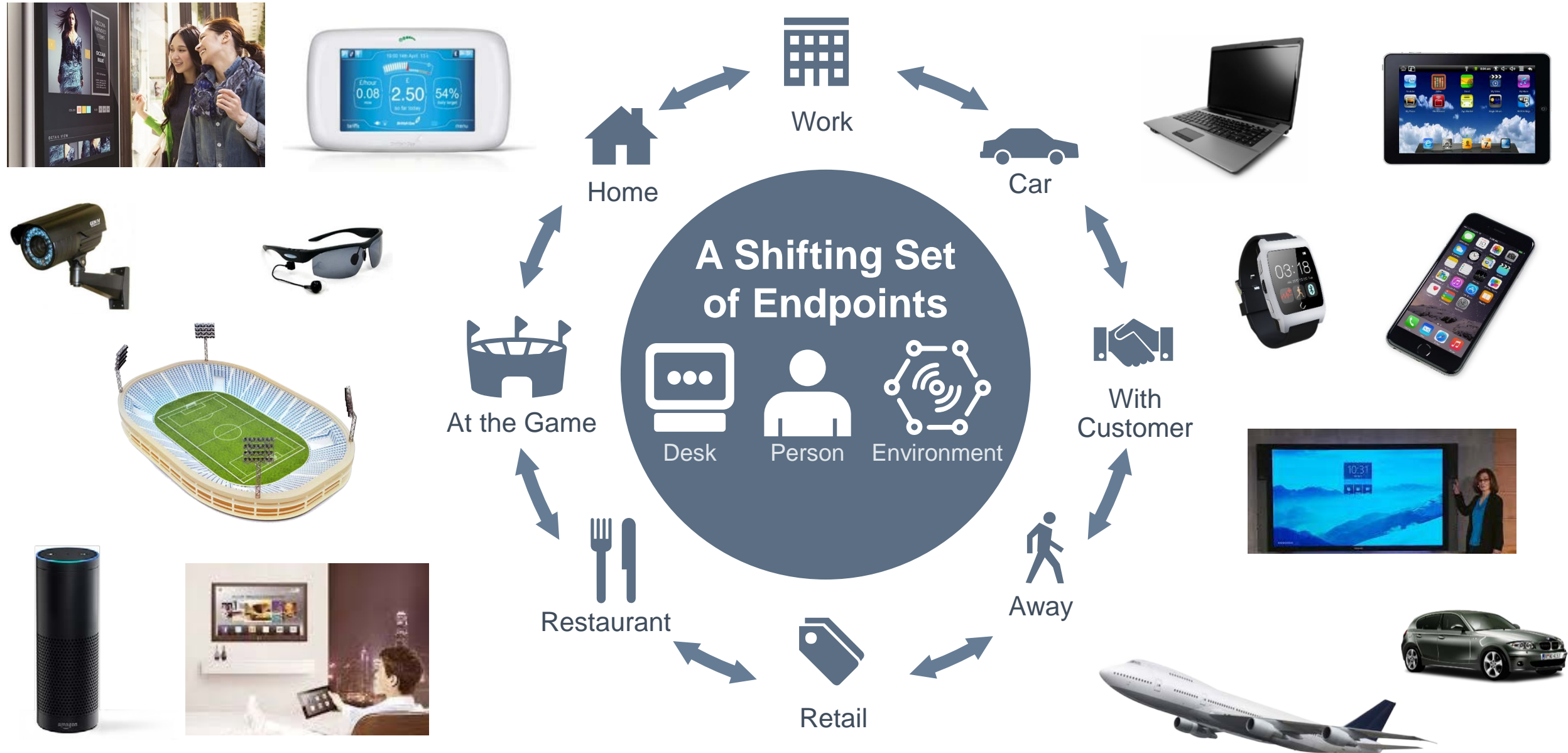
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connected IoT sensors and
endpoints deployed by 2020

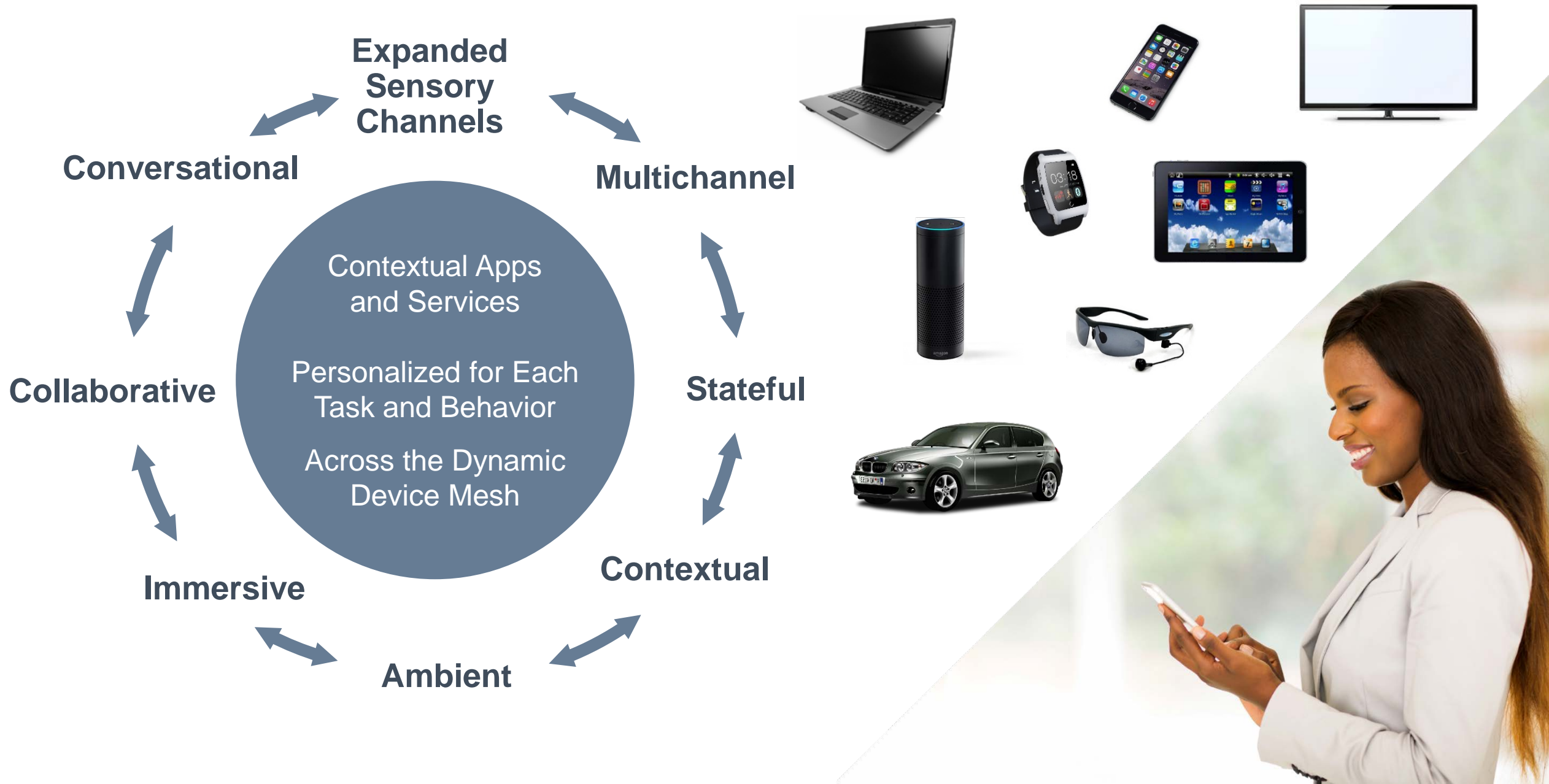
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or more conversational
AI systems by 2018

Conversational Systems: The Mesh Is Dynamic and Pervasive

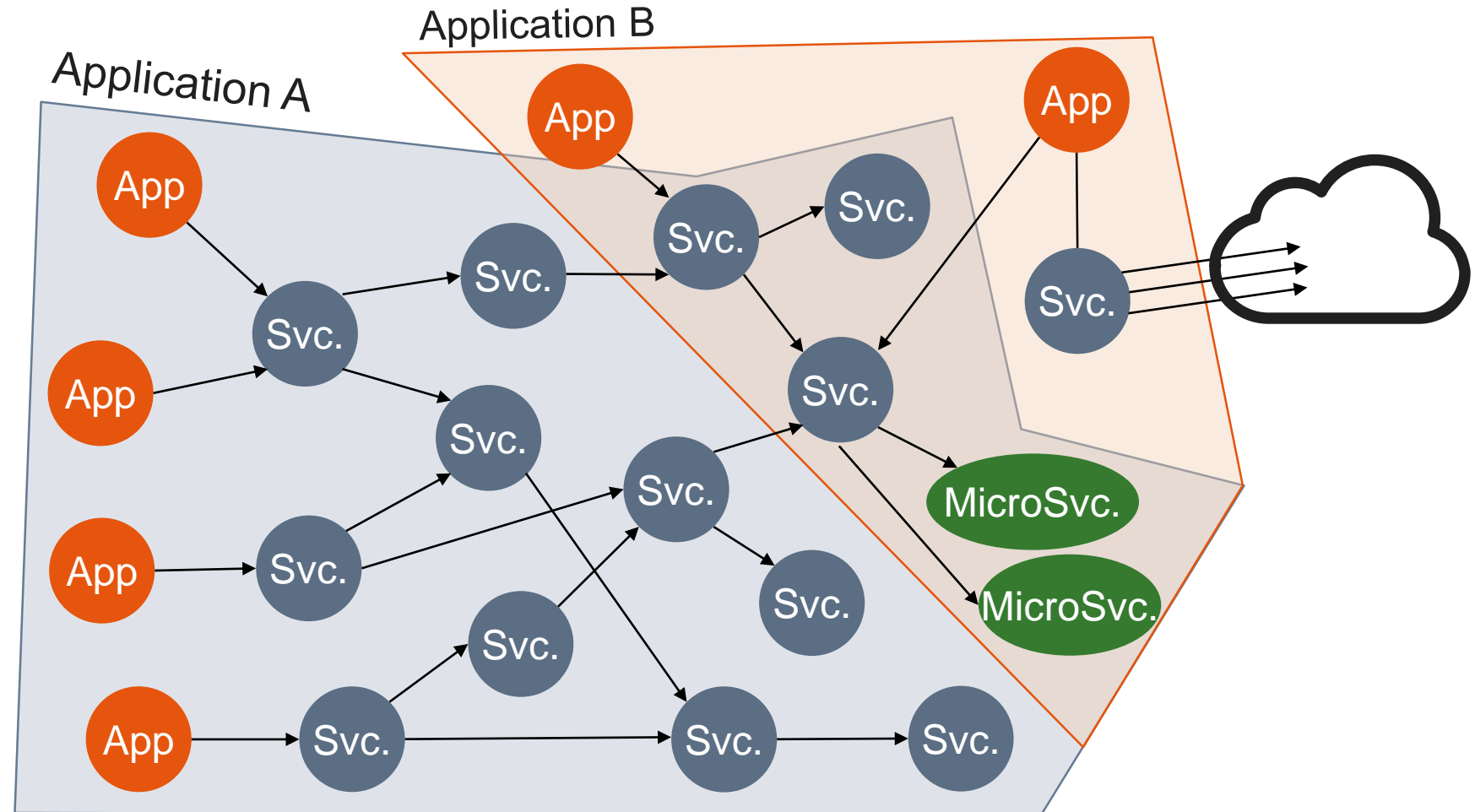


Conversational Systems: One Part of the Future User Experience



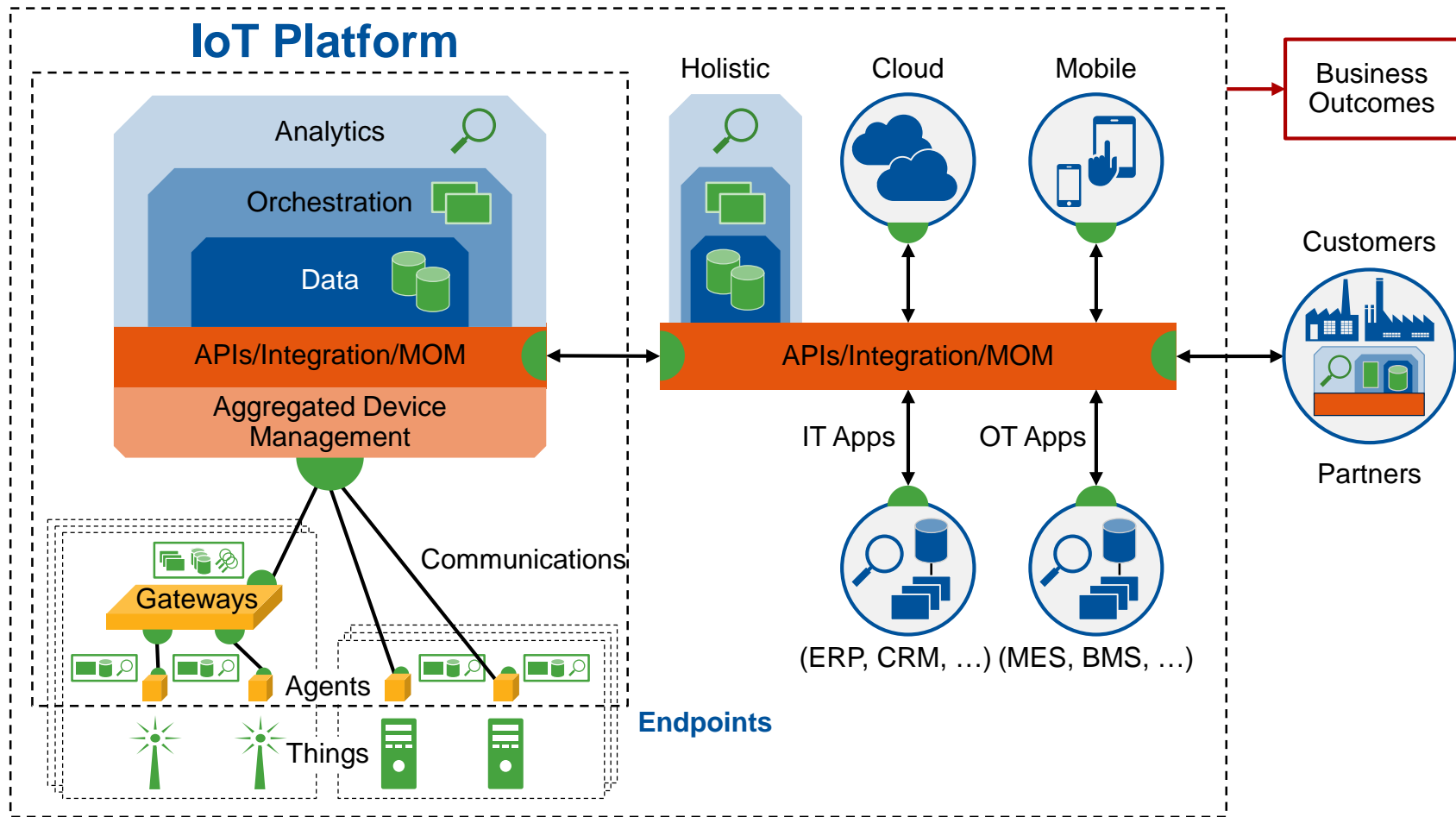
Mesh App and Service Architecture: Agility and Flexibility Drive the Design

- Cloud-Based
- Microservices
- Containers
- Serverless
- Software-Defined (APIs)
- Event-Driven



Digital Technology Platforms: IoT Platforms Are Necessary for Solution Success

IoT Solution



Microsoft Azure

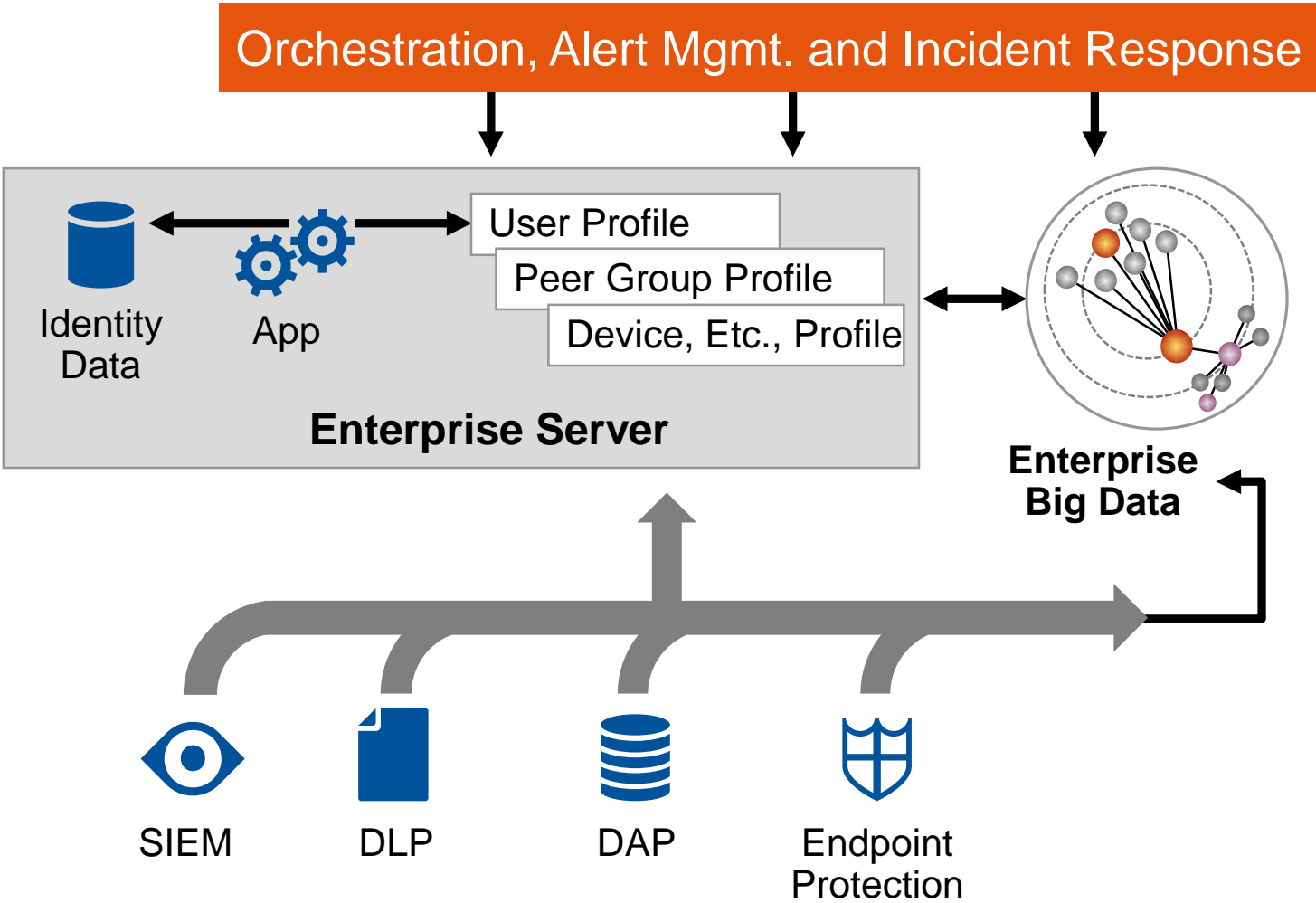
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Adaptive Security: Continuously Analyze User and Entity Behavior



External Identity and Threat Intelligence

1. Review; Rules/Score
2. Continuous Profiling
3. Continually Analyze and Authenticate

Transaction Context

Device, Location, Behavior
Transactions, Attributes

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Adaptive Security Architecture

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