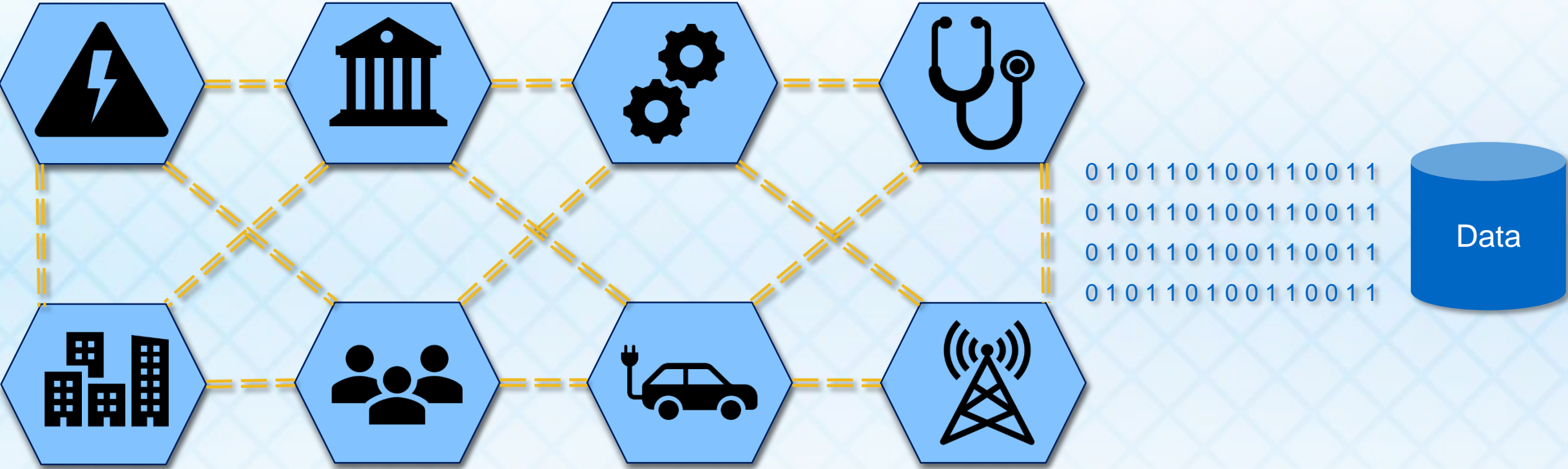**■ NetApp**

Smart Cities: Digital Transformation

NetApp IoT & AI

Krishan Parmar
Solutions Engineer
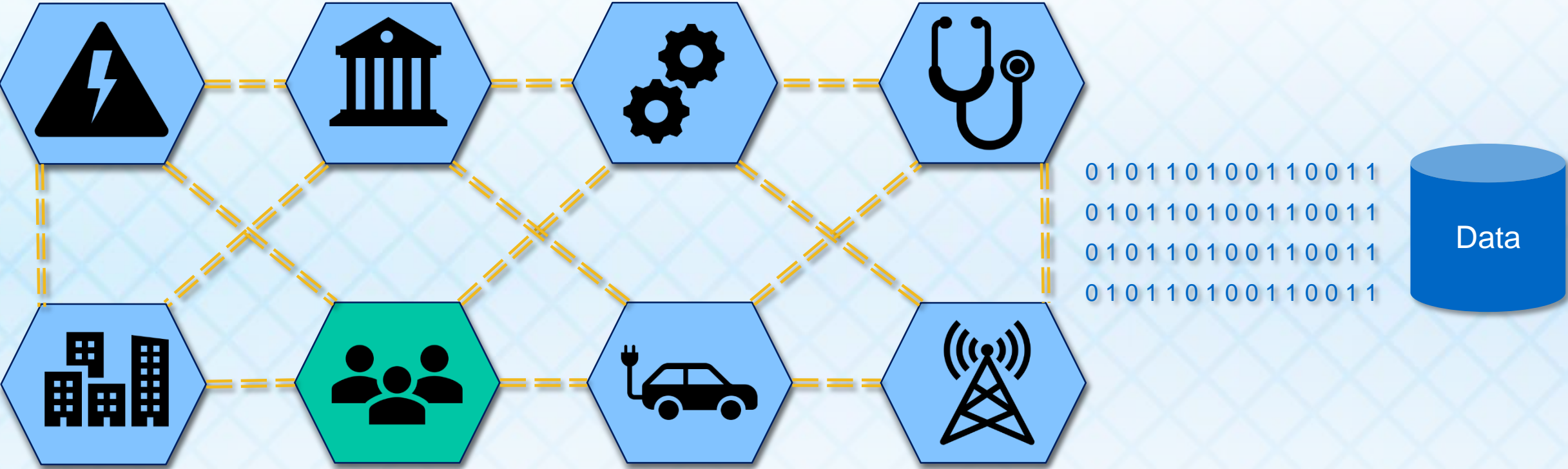22nd – Aug – 2019

Components of Smart Cities

Building Blocks

Components of Smart Cities

Building Blocks

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Data

The Economist

MAY 6TH–12TH 2017

Crunch time in France
Ten years on: banking after the crisis
South Korea's unfinished revolution
Biology, but without the cells

The world's most valuable resource

Data and the new rules of competition

"Data are to this century what oil was to the last one: a driver of growth and change."

"Digital information is unlike any previous resource; it is extracted, refined, valued, bought and sold in different ways."

NetApp

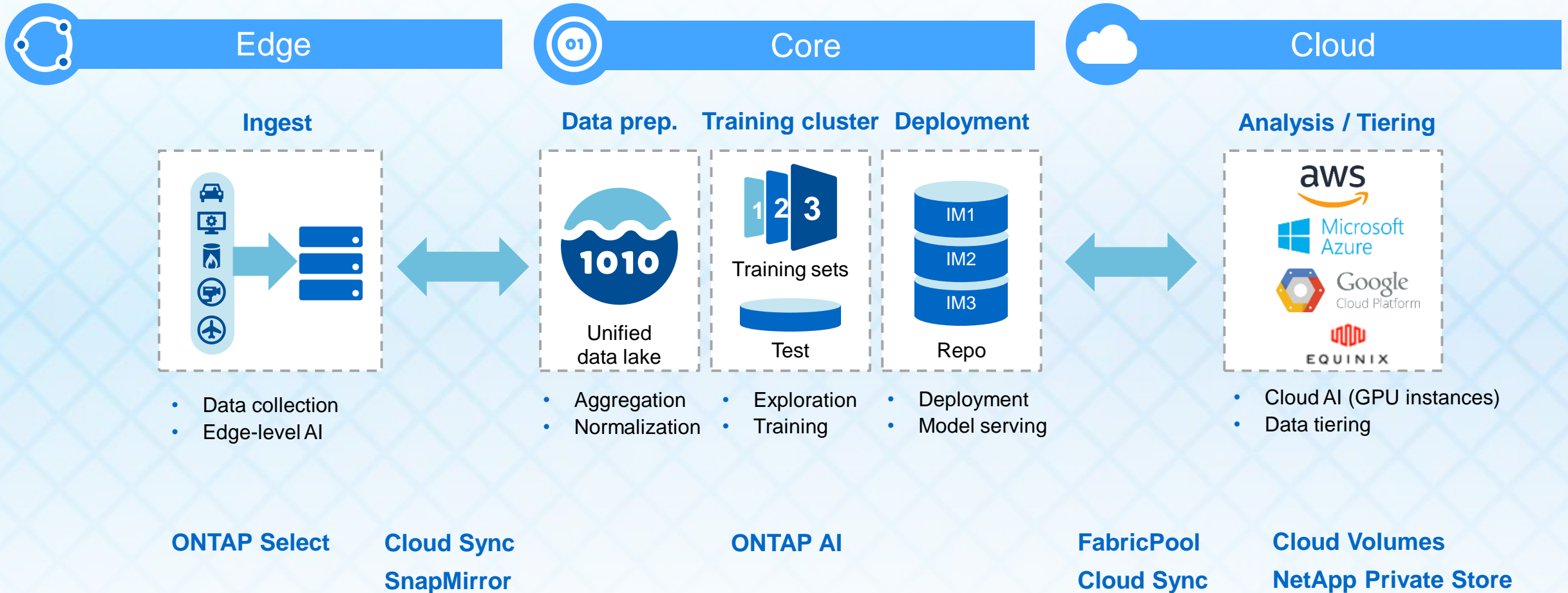# Digital Transformation Enabling Technologies

IOT and Artificial Intelligence

Empowering customers to change the world with DATA

AI - Edge to Core to Cloud

Seamless data management

Edge	Core	Cloud

Ingest

- Data collection
- Edge-level AI

Data prep.

Unified data lake

- Aggregation
- Normalization

Training cluster

Training sets

Test

- Exploration
- Training

Deployment

IM1
IM2
IM3

Repo

- Deployment
- Model serving

Analysis / Tiering

aws

Microsoft Azure

Google Cloud Platform

EQUINIX

- Cloud AI (GPU instances)
- Data tiering

ONTAP Select   **Cloud Sync**   **ONTAP AI**   **FabricPool**   **Cloud Volumes**
                        SnapMirror   **Cloud Sync**   **NetApp Private Store**

NetApp Data Fabric

Helping customers unleash data to accelerate digital transformation and address their business imperatives

MULTI-CLOUD

PUBLIC CLOUD

NETAPP DATA FABRIC

ENTERPRISE IT

NEXT-GEN DATA CENTER
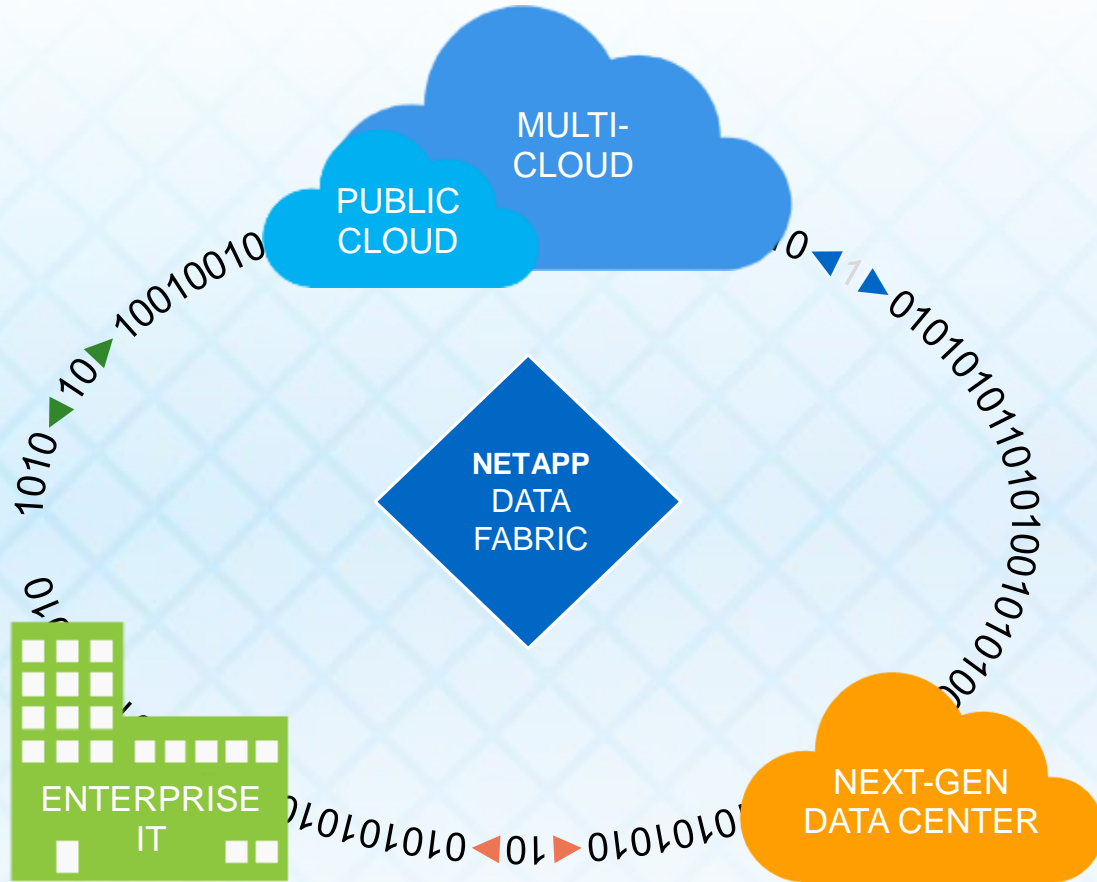
HARNESS the power of the hybrid cloud

BUILD a next-generation data center

MODERNIZE storage through data management

Closing Thoughts

We expect a lots of Data been generated in Smart Cities, the question is not on how to store that "Data", the question is how seamlessly we can make "Data" available to application across "Data Centers", "Multi-Cloud" and "Lifecycles of Technologies" to create value out of it to deliver "Citizen Services"

■ NetApp

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Thank You