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THE POWER OF EDGE

Anand Ghatnekar | 26th May 2017

SNIA SDC – BANGALORE

as projected by IDC, 'DATA AGE 2025', March 2017

CONNECTED DEVICES WILL DRIVE THE NEXT FRONTIER OF SHIPPED STORAGE CAPACITY

2000

3
EXABYTES

2015

563
EXABYTES

2025

2294
EXABYTES

IDC: The Global Internet of Things market
2014: **$656 Billion,** 2020: **$1.7 Trillion**

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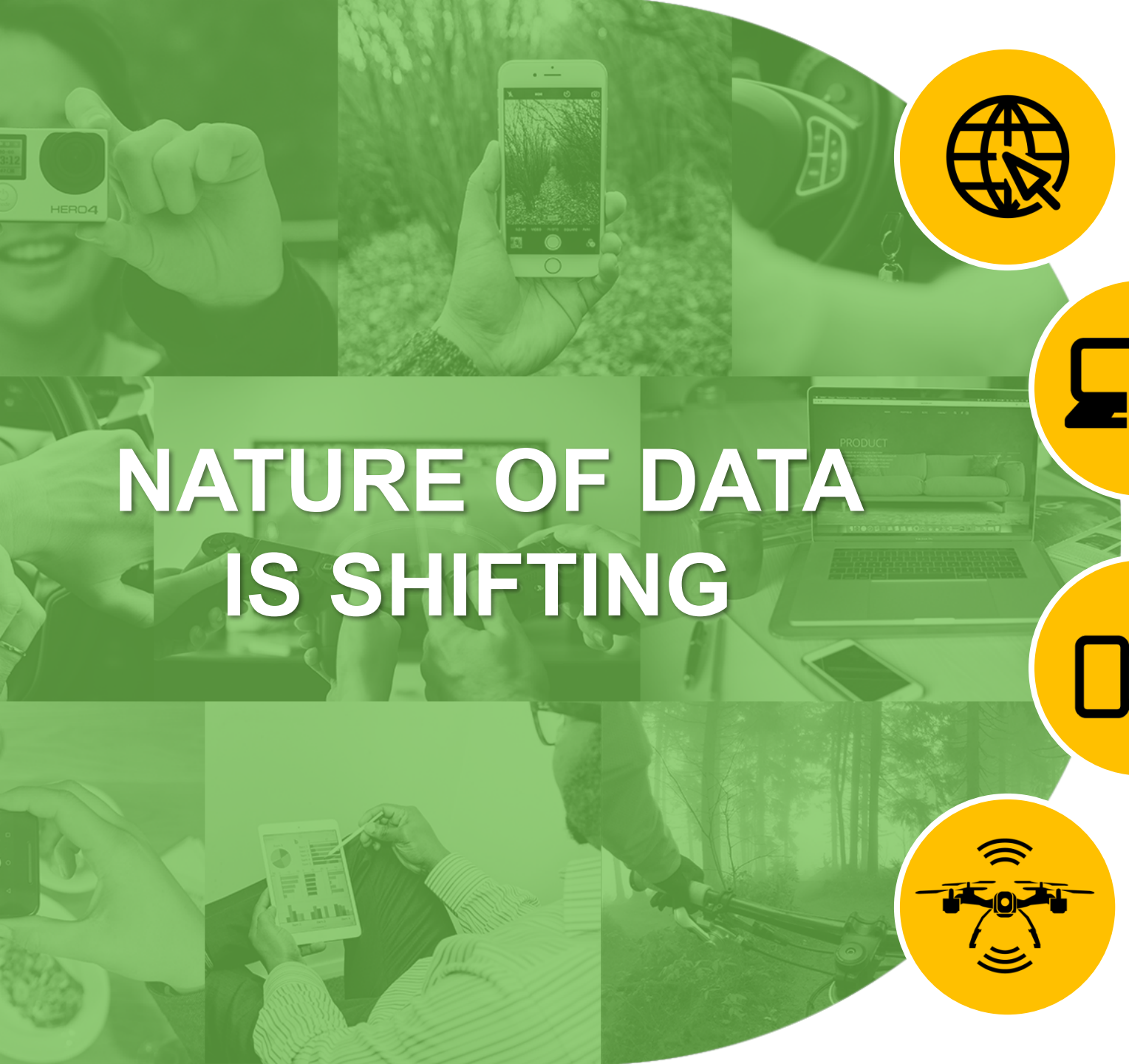

NATURE OF DATA IS SHIFTING

2000
INTERNET
150MB, 1 Device

2010
MOBILE
250MB, 2+ Device

2015
SOCIAL
1TB, 3+ Device

2017
IOT, DRONES, GAMING, VR
10TB, 5+ Device

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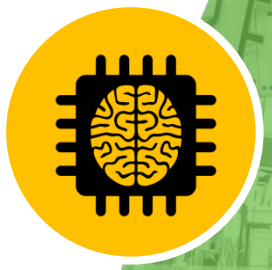
DATA EVOLUTION KEY TRENDS

Business Critical To Life Essential

Embedded systems & IoT

Mobile & Real-Time Data

Cognitive Systems



Data Security

as projected by IDC, 'DATA AGE 2025', March 2017

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DATA EVOLUTION KEY TRENDS

Business Critical To Life Essential

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Cognitive Systems

Data Security

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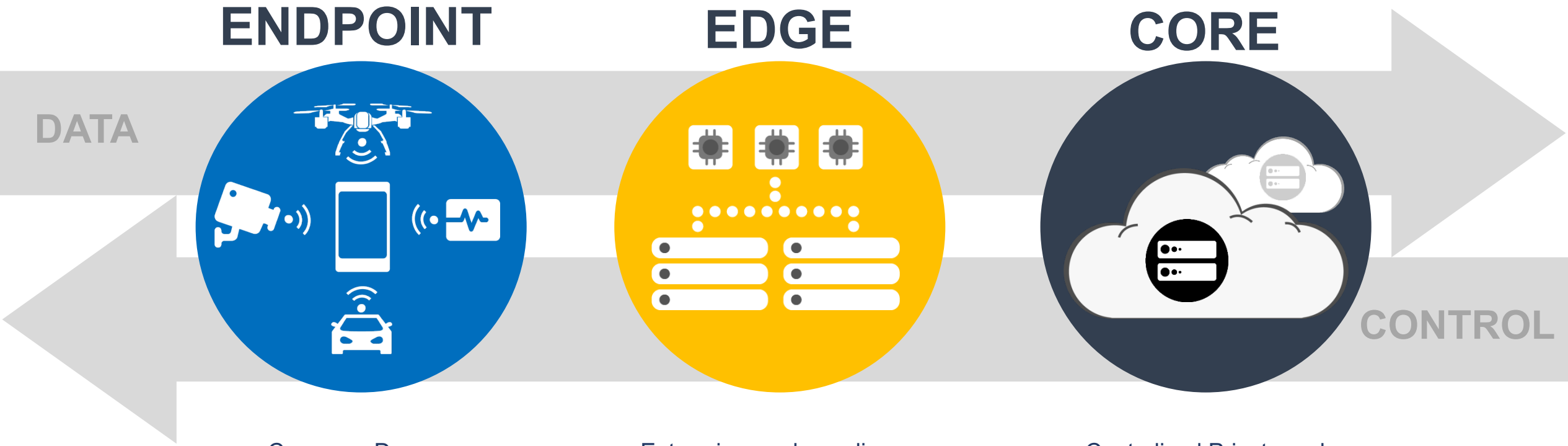
DATA MODEL IS EVOLVING TO MULTI TIERS

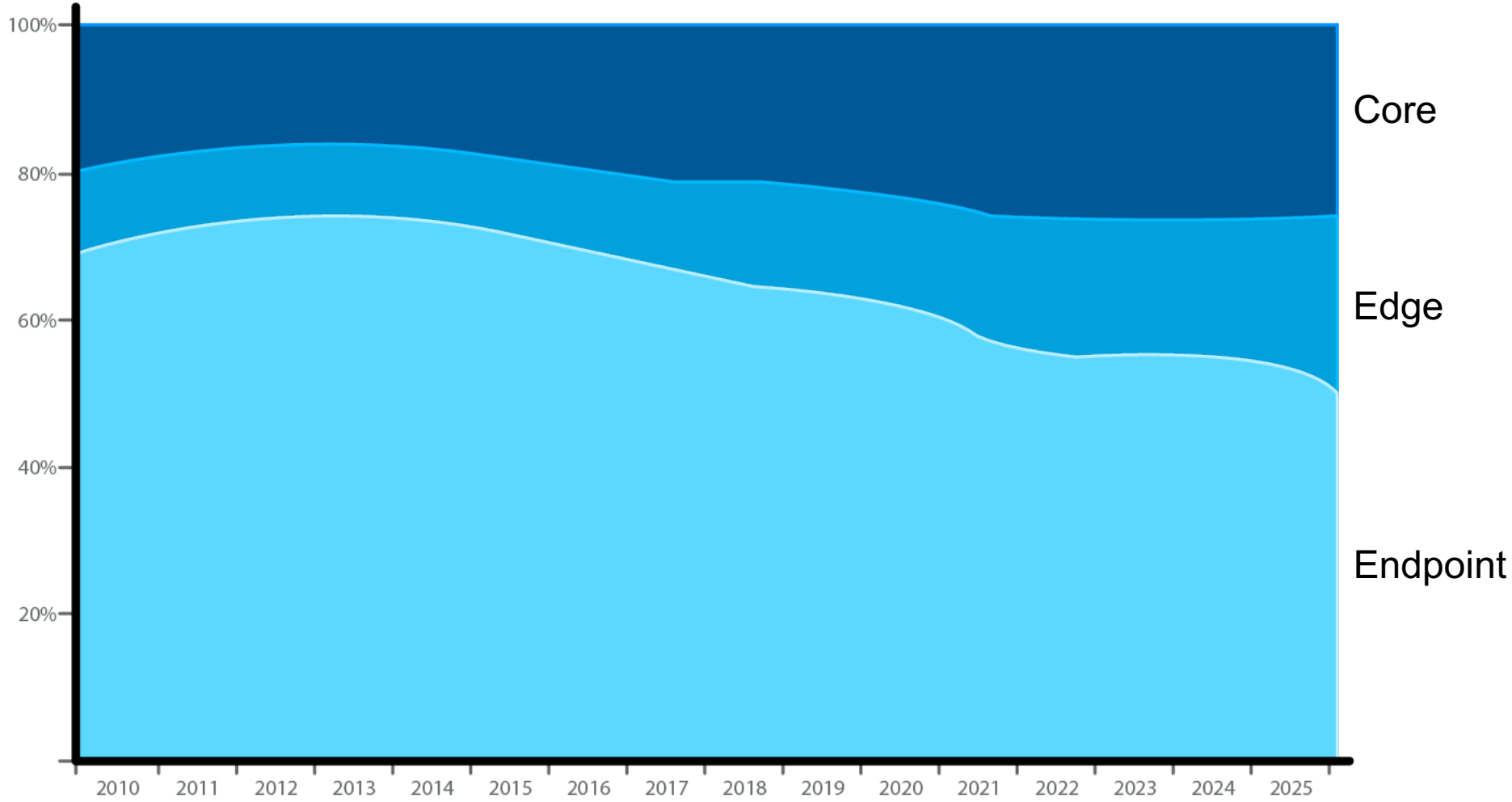


Cameras, Drones, Sensors, etc.

Enterprise grade appliances near end-points

Centralized Private and Public Clouds

DATA GROWTH HAPPENING OUTSIDE THE DATA CENTER



Source: IDC's Data Age 2025 study, sponsored by Seagate, April 2017

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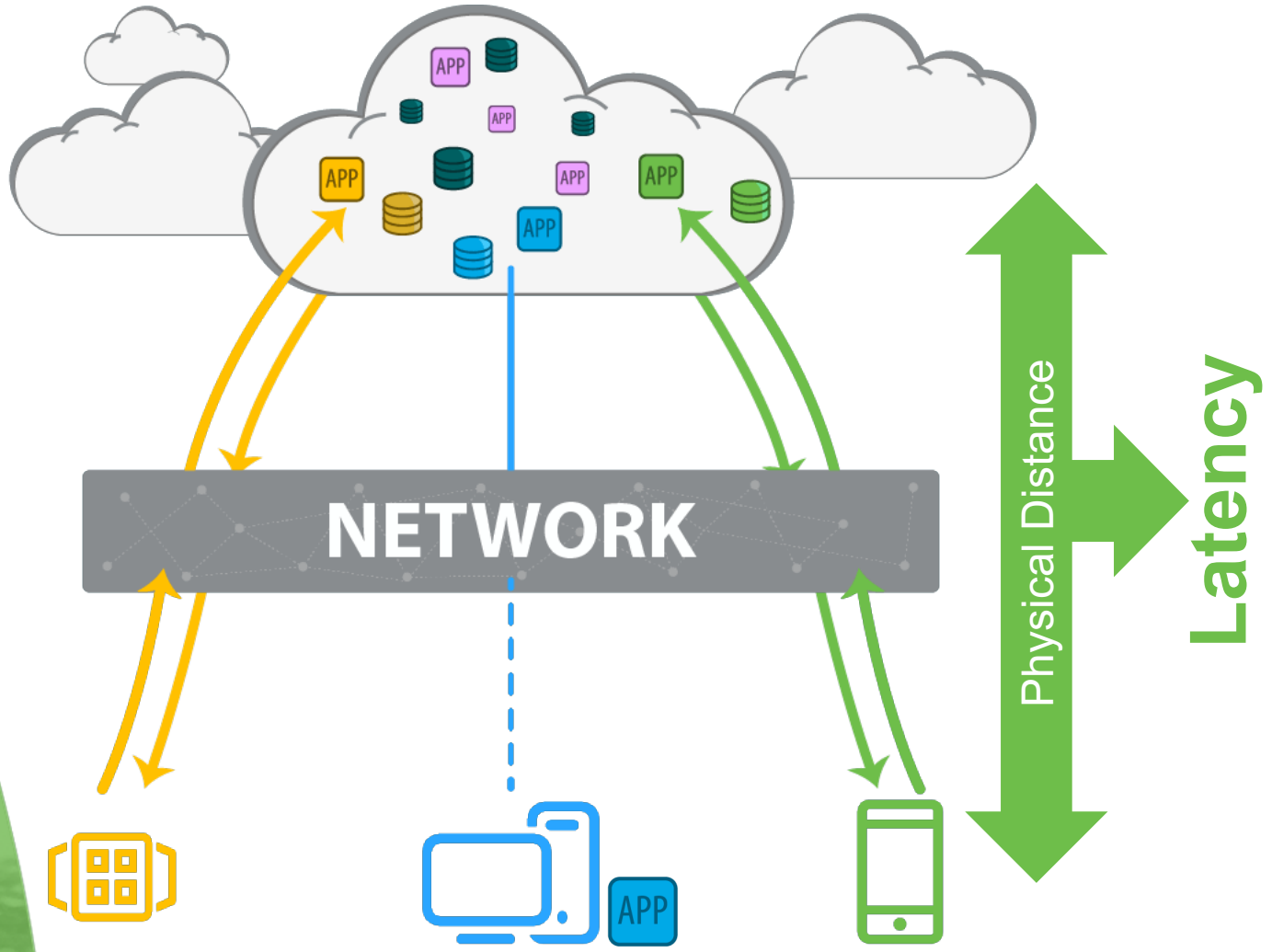
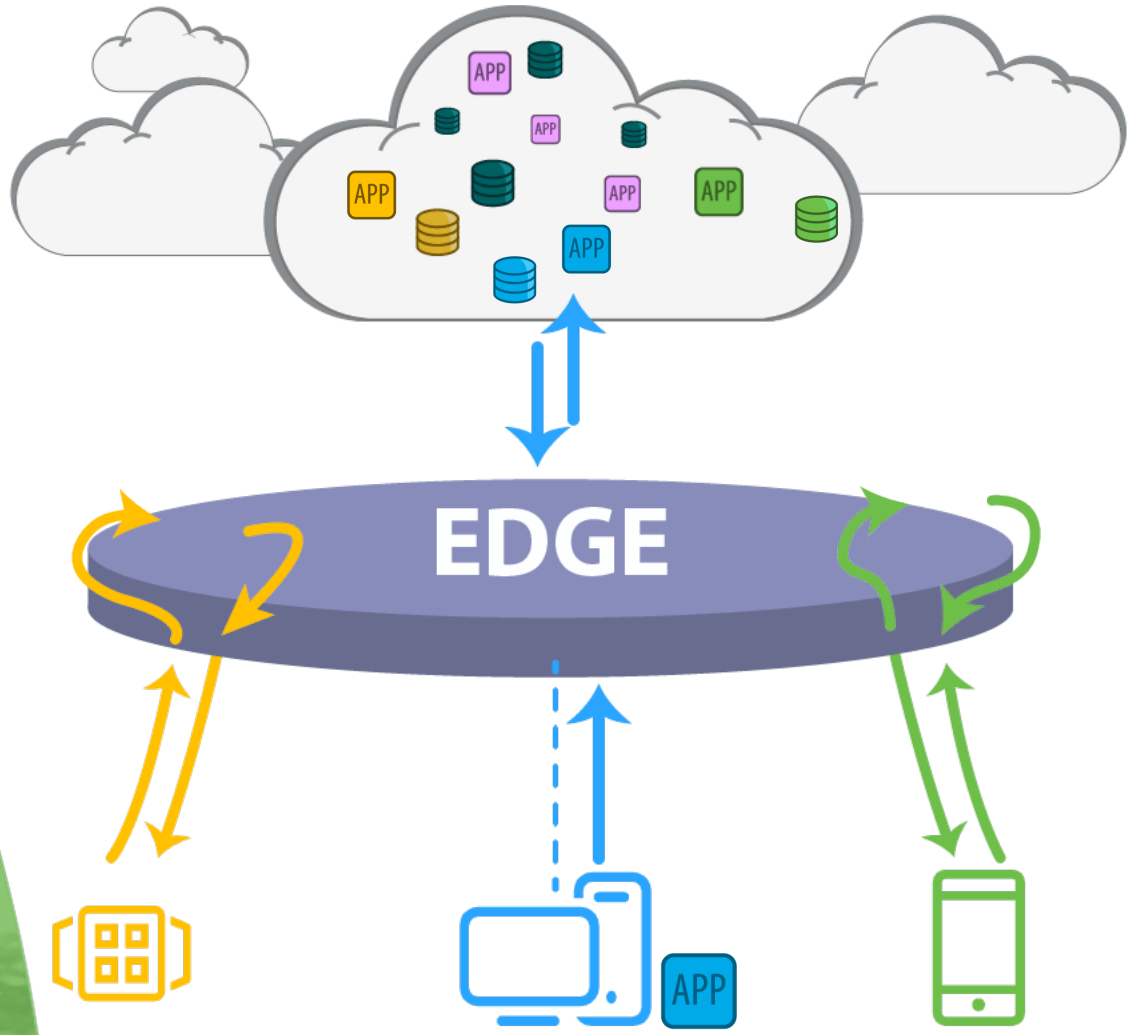
CLOUD COMPUTING ARCHITECTURE



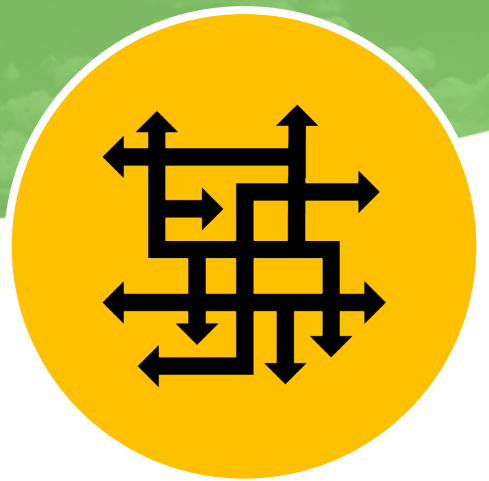
CLOUD & EDGE COMPUTING ARCHITECTURES



TRADITIONAL CENTRALIZED CLOUD MODEL FAILS WITH IOT

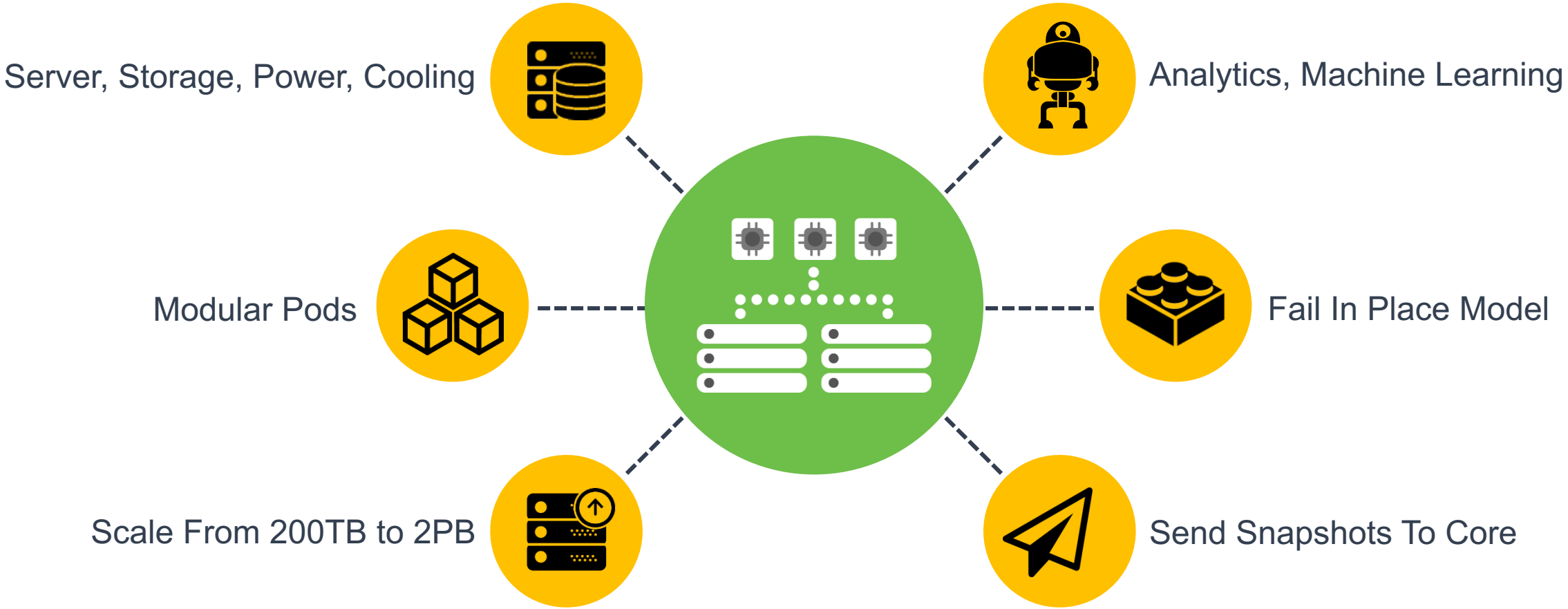
Data Is Time Critical

Moving Data Is Costly



Core Gets Unwieldy

PUSHING COMPUTE TO THE EDGE
(CLOSER TO DATA)



BUILDING BLOCKS FOR EDGE INFRASTRUCTURE

Ease Of Setup & Deployment

Network Protocols

High Performance
(1000's Of Streams)

Fail In Place Model

Reliability, Availability,
and Serviceability

Security

Software Defined

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Your Trusted Cloud Storage Partner

Offering the broadest range of storage building blocks

NEXT BIG OPPORTUNITY
FOR US IS AT THE EDGE
LET'S FOCUS ON
DATA THAT IS
BIG
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