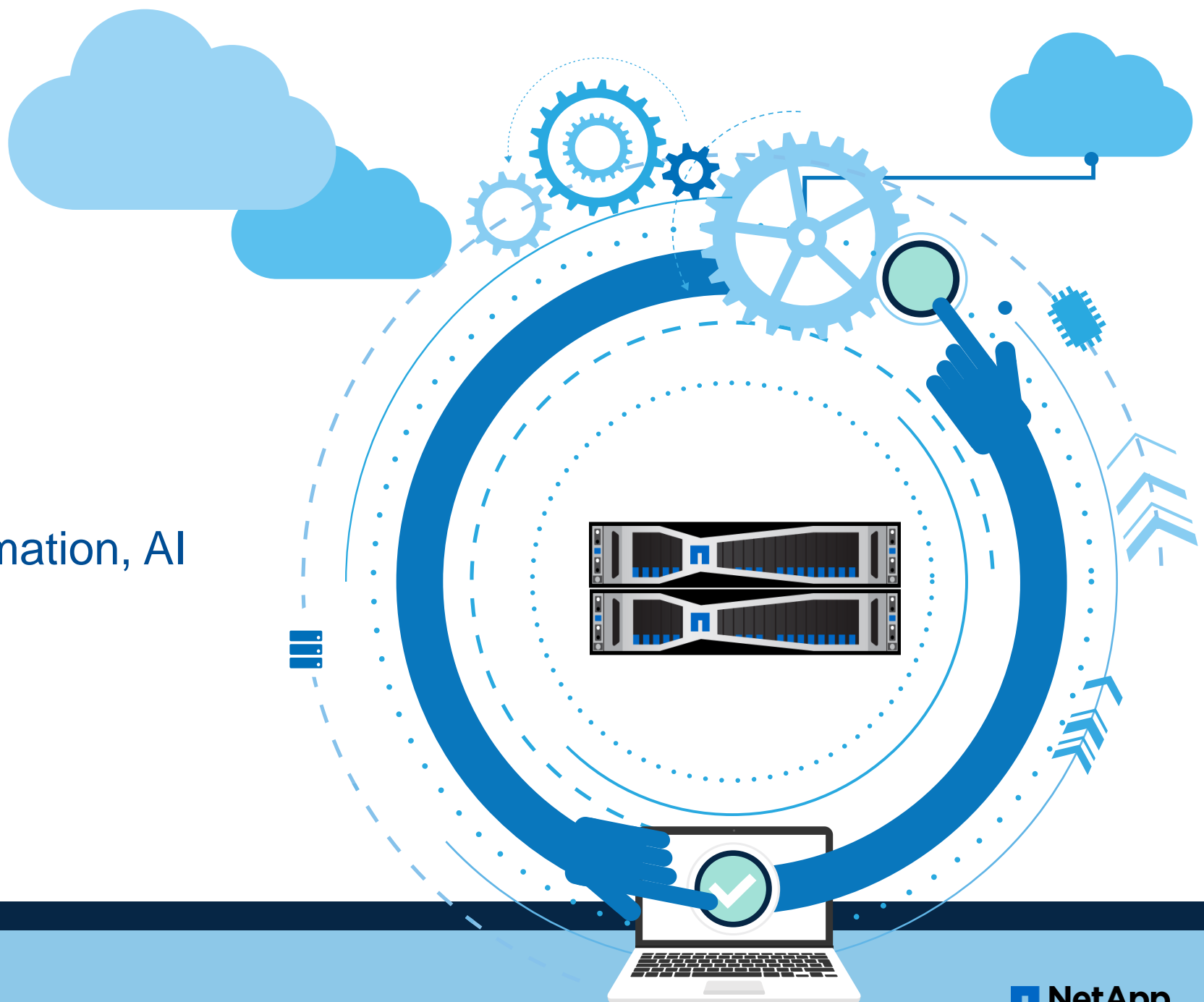# The 4 A's
APIs, Algorithms, Automation, AI

Krithiwas Neelakantan

Director Cloud Business

NetApp

The world is fundamentally and rapidly changing
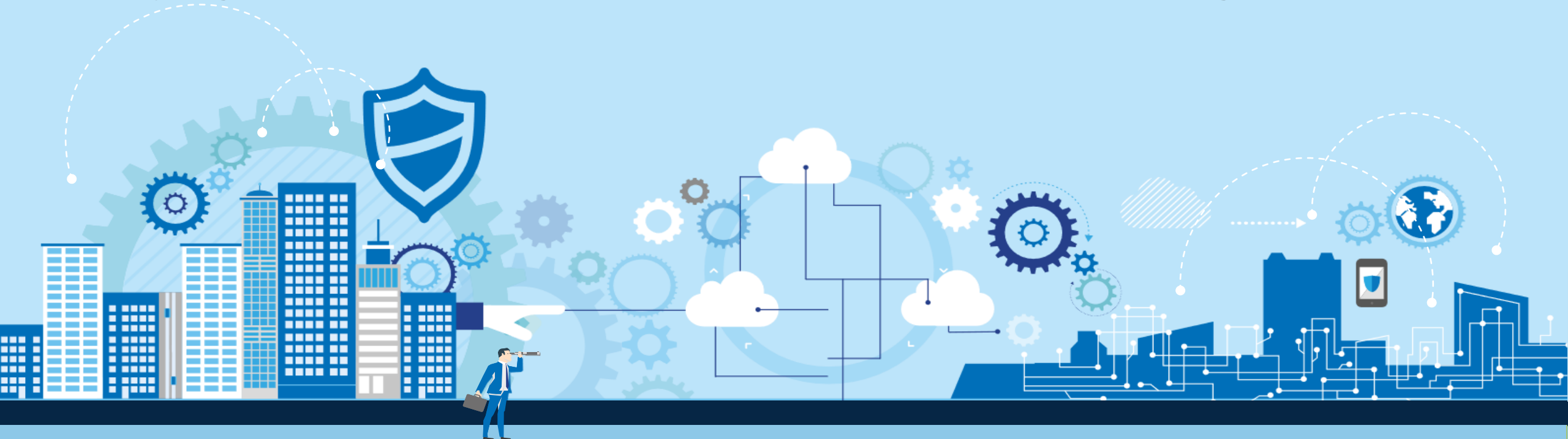
Driven by rising customer expectations

Unique customer experiences

Real-time updates

Any time, any place, any device

Everything connected

Intelligent interactions

NetApp

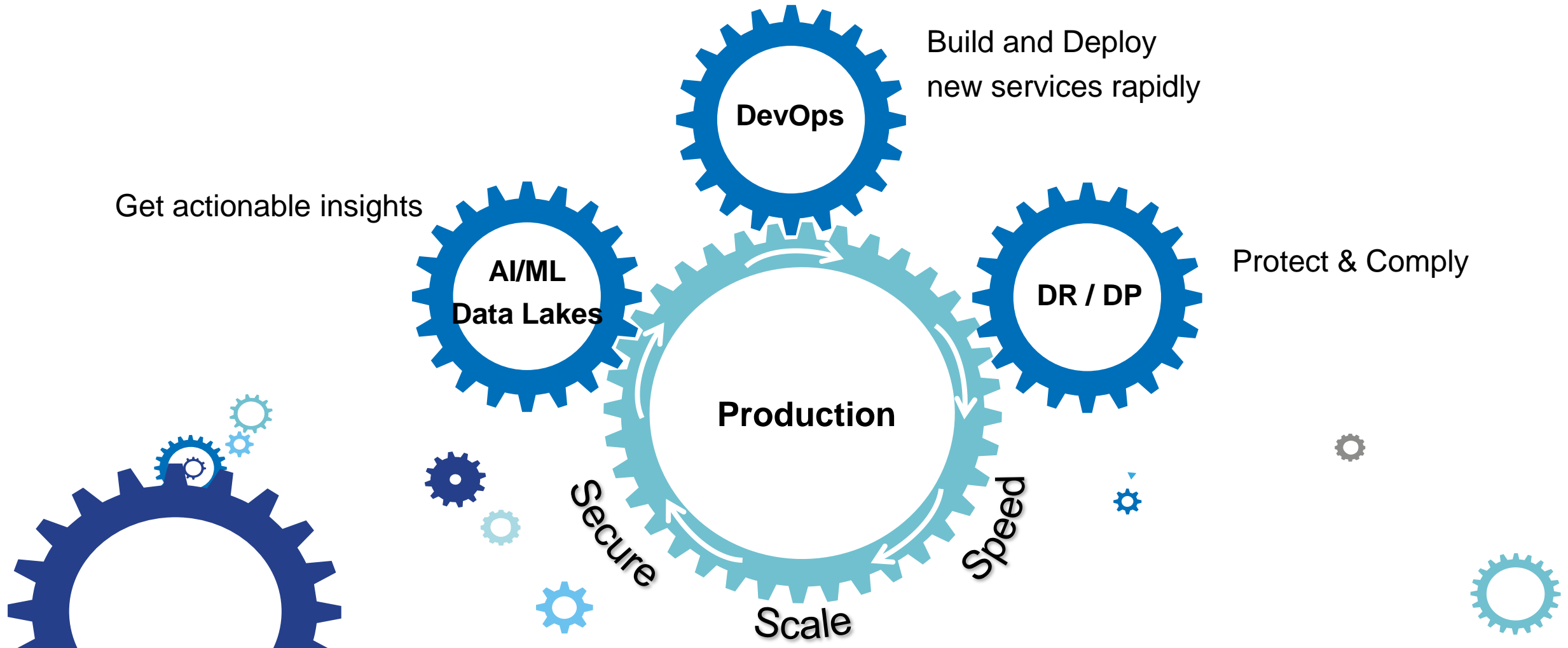# When successful in their data-driven digital transformation, governments :

Enable new customer touchpoints

Rapidly deploy new G2G,G2B,G2C services

Optimize operations

NetApp

G2C Services – The JAM Imperative !

DevOps

Build and Deploy
new services rapidly

Get actionable insights

AI/ML
Data Lakes

DR / DP

Protect & Comply

Production

Secure

Speed

Scale

NetApp

Deployment Evolution

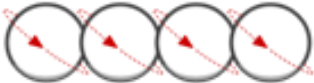Migration of mature business apps into the "hybrid cloud" and migration of web-scale apps to on-premises
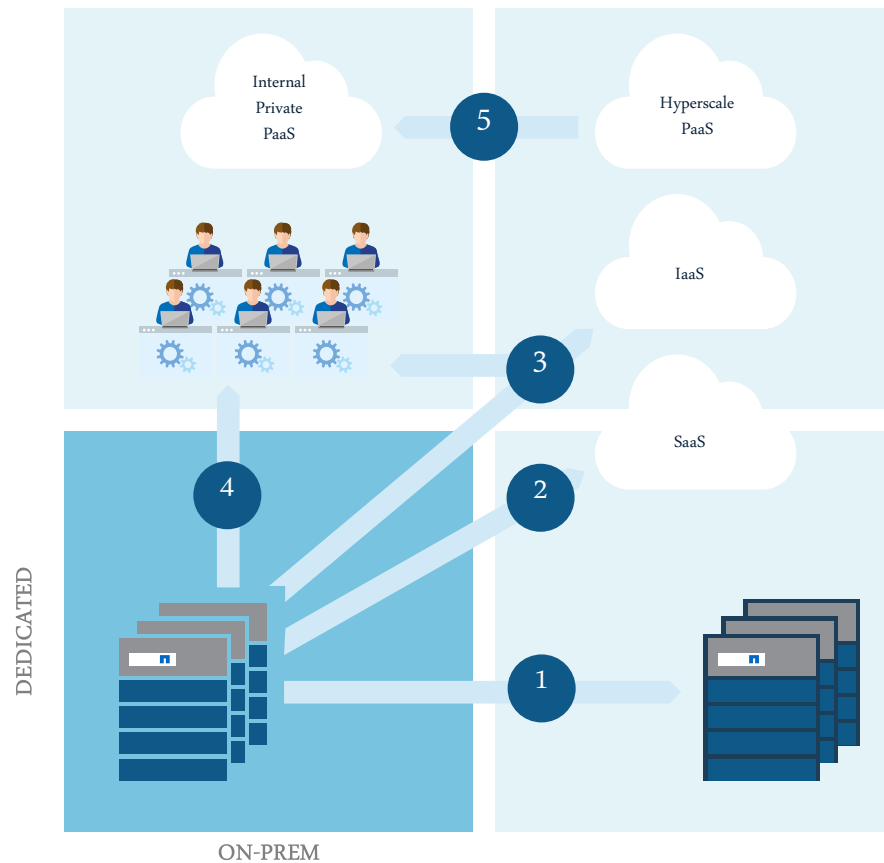
1 Outsource on similar infrastructure

2 Rent the app as a service (SaaS)

3 Shift between private and public cloud

4 Build internal private cloud (IaaS)

5 Revert to owned micro-services based infrastructure (PaaS)

Application development & deployment evolution

The NetApp Data Fabric
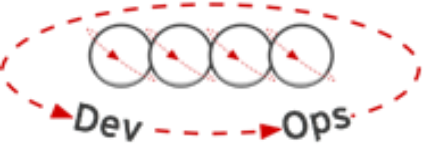
Helping customers unleash data to address their business imperatives

Multicloud

Public cloud

NetApp®
Data Fabric

Enterprise IT

Private Cloud
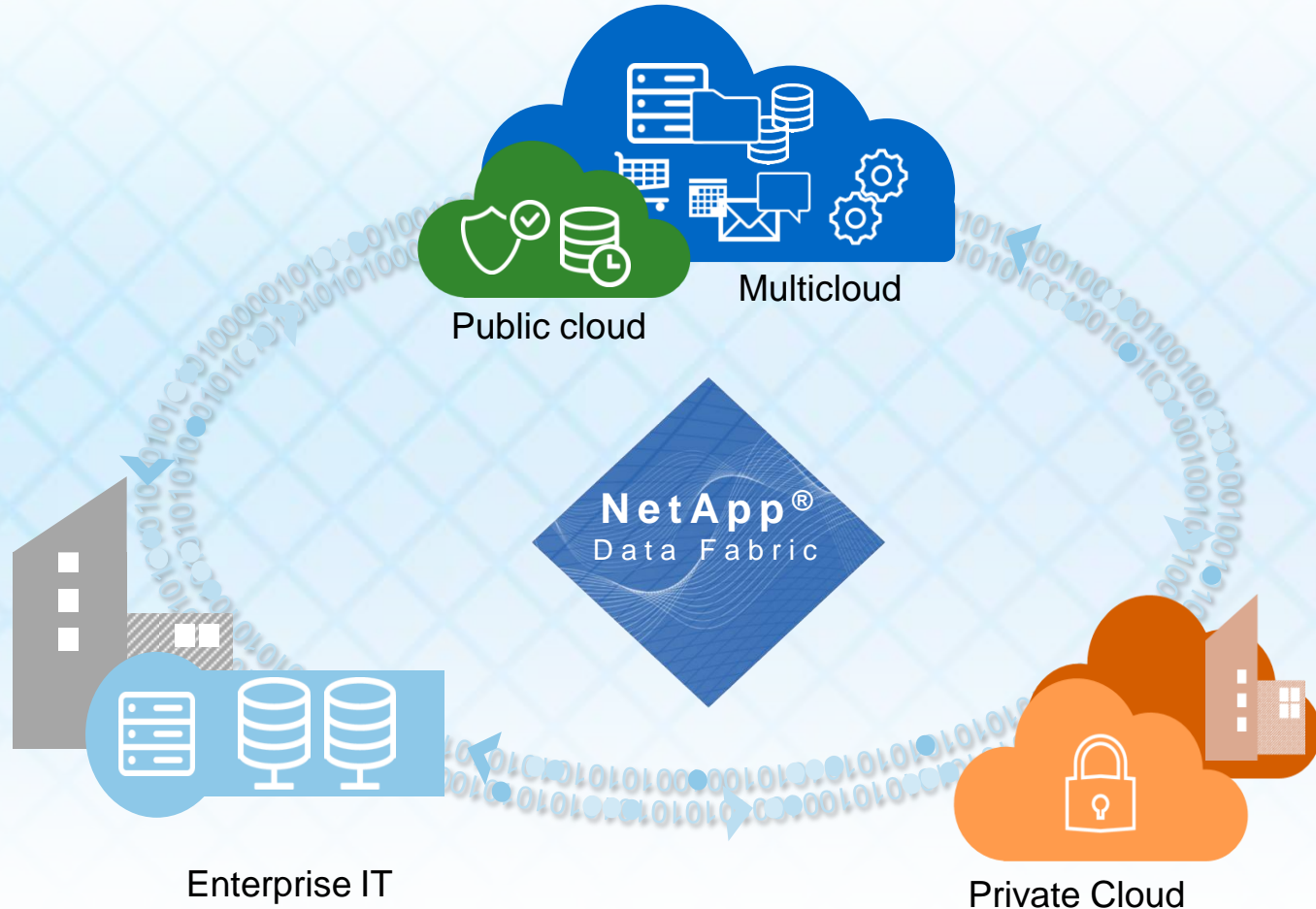
Harness
the power of the hybrid cloud
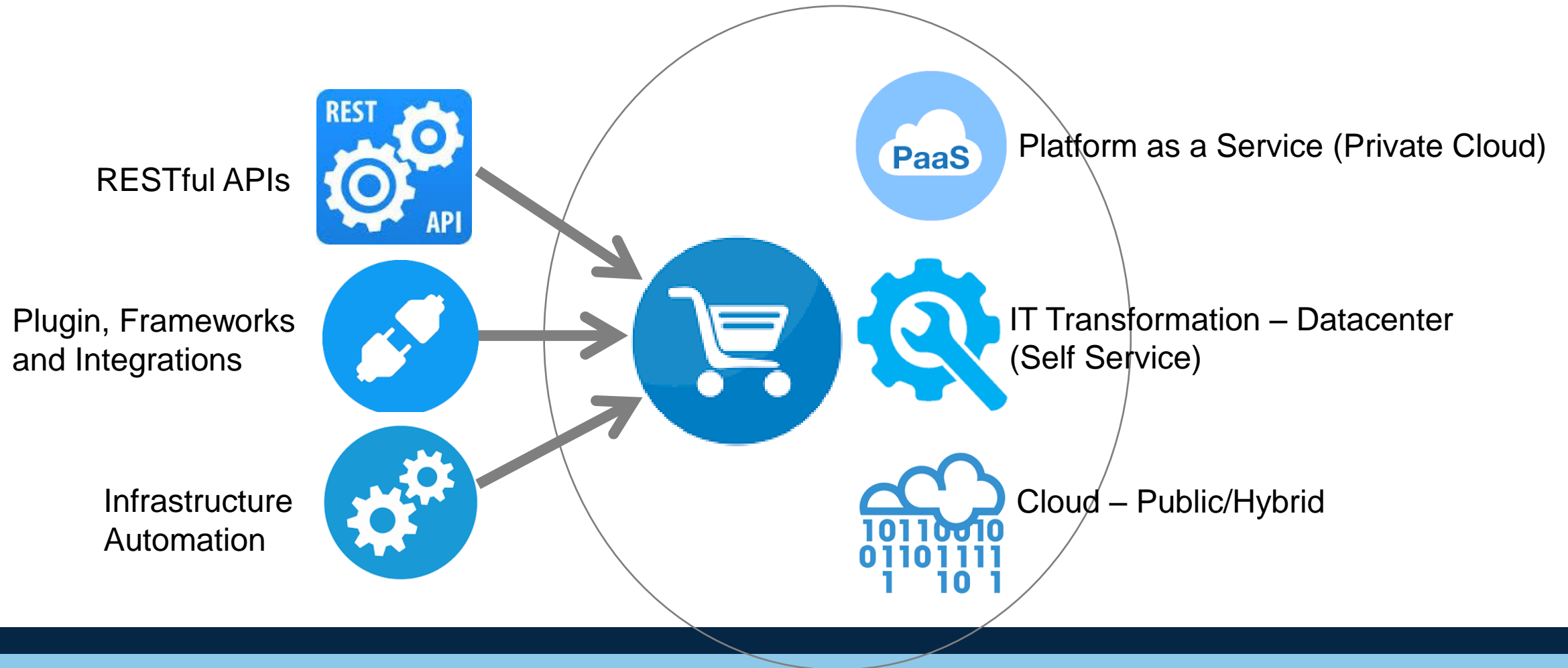
Build
a next-generation data center

Modernize
storage through data management

NetApp®

Modernizing Apps and Impact on DX

RESTful APIs

Plugin, Frameworks and Integrations

Infrastructure Automation

Platform as a Service (Private Cloud)

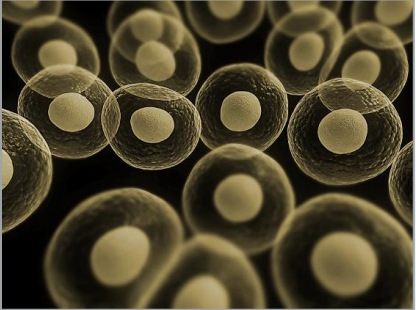IT Transformation – Datacenter (Self Service)

Cloud – Public/Hybrid

NetApp®

AI - Uniquely Enabling A Range of Use Cases

Social, Media, Internet and Cloud

Cyber Security

Life Sciences

Defense Intelligence

Internet of Things

Financial Markets

Autonomous Machines/Vehicles

NetApp®

Healthcare Use Case Example

Improving patient outcomes with data

PREDICTION	PREVENTION	MANAGEMENT	DIAGNOSIS	DISEASE
Predictive Medicine	Wellness	Population Health	Identification	Treatment

Cerner — MERGE Healthcare — SIEMENS — Epic — MCKESSON Empowering Healthcare — illumina

GE Healthcare — IBM — amazon web services — CISCO — NVIDIA — Microsoft Azure — redhat — intel — Google Cloud

NetApp

Enabling New Workloads

Single data pipeline for AI and deep learning from edge-to-core-to-cloud

Edge → **Core** → **Cloud**

INGEST
From any IoT device

TRAIN, TEST AND DEPLOY
Supported by a unified data lake

ANALYZE
With multiple hyperscaler toolsets

NetApp
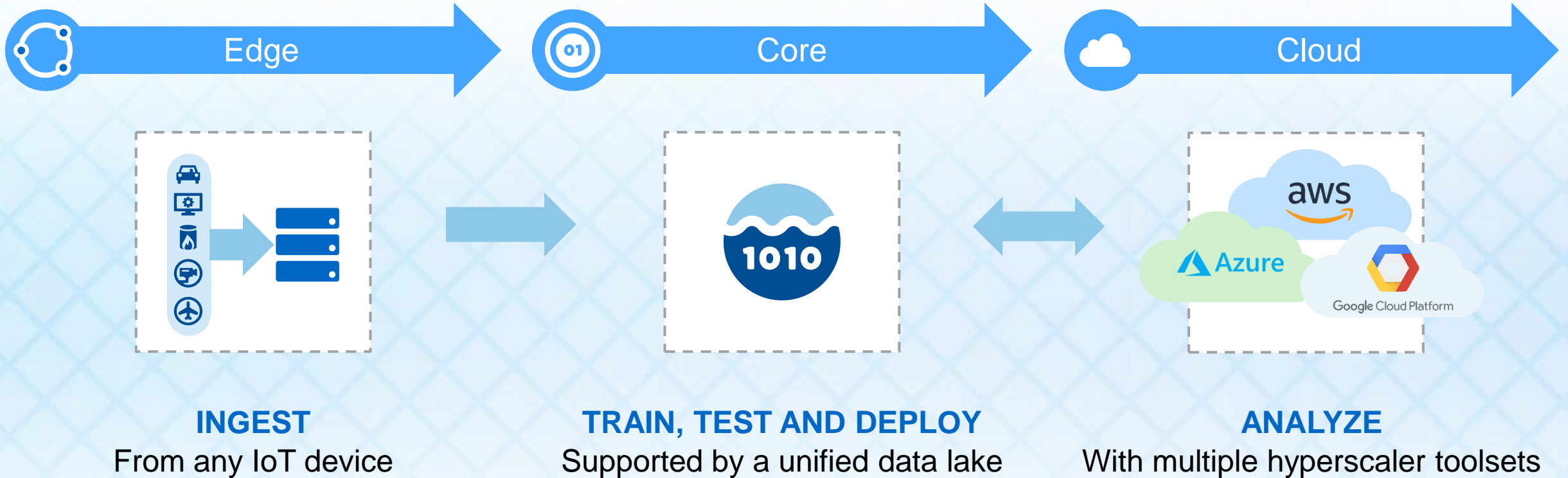
Change the world with Data

Thank you !

NetApp