L' **ICT**
che dà più ***valore***
alla tua ***azienda!***

Our ICT gives more!

PREMIO NAZIONALE PER L'INNOVAZIONE

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DELL Technologies
GOLD PARTNER

DELL Technologies e SMS Engineering: Storage per il prossimo decennio e Cyber Security ai tempi della Trasformazione Digitale

Ing. Giuseppe Natale
Project Manager, Senior System Engineer SMS Engineering

"Digital Transformation: l'approccio della SMS Engineering"

Napoli, 19/01/2021

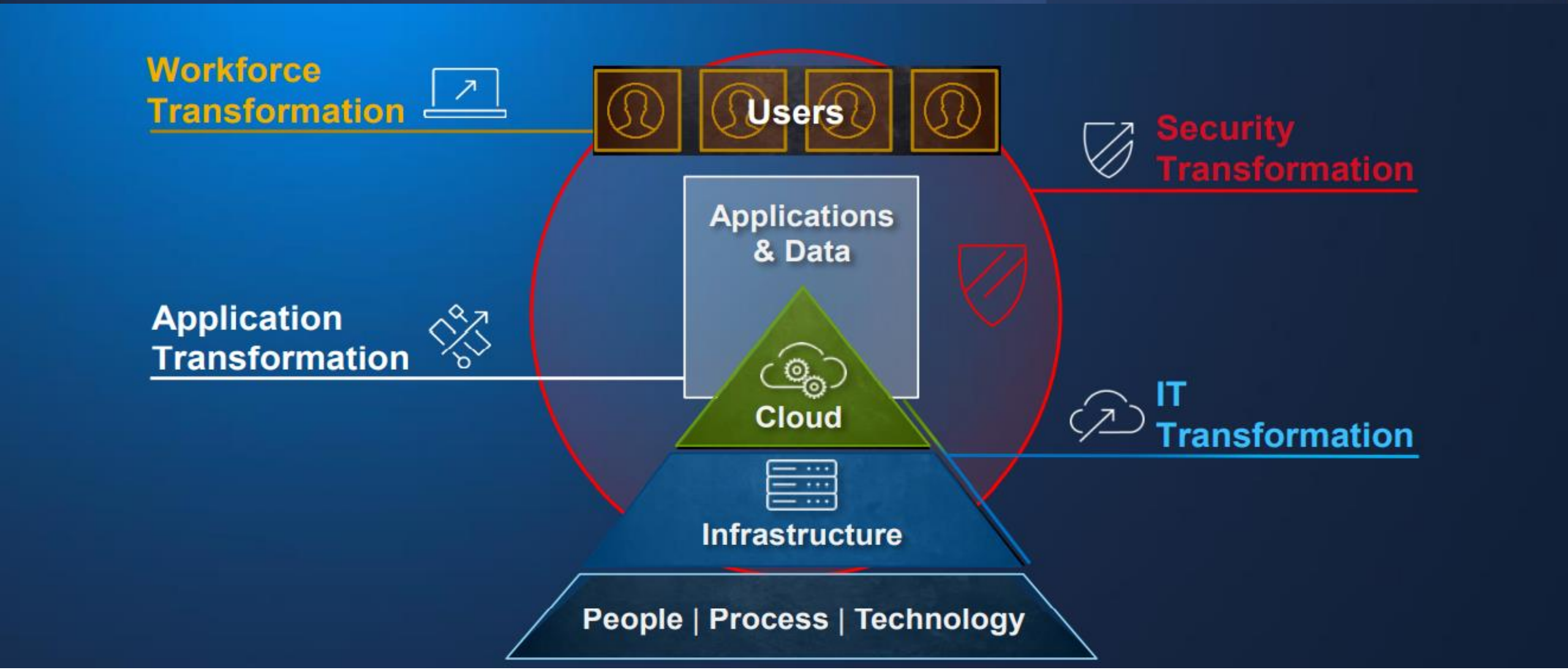
THE DIGITAL FUTURE

Every organization needs to be a **digital** organization, powered by data, running in a multi-cloud world.

However, some will run the race quicker than others.

By 2030, the partnership between people and machines will become deeper, richer, and more immersive than ever before

Transformation Journey



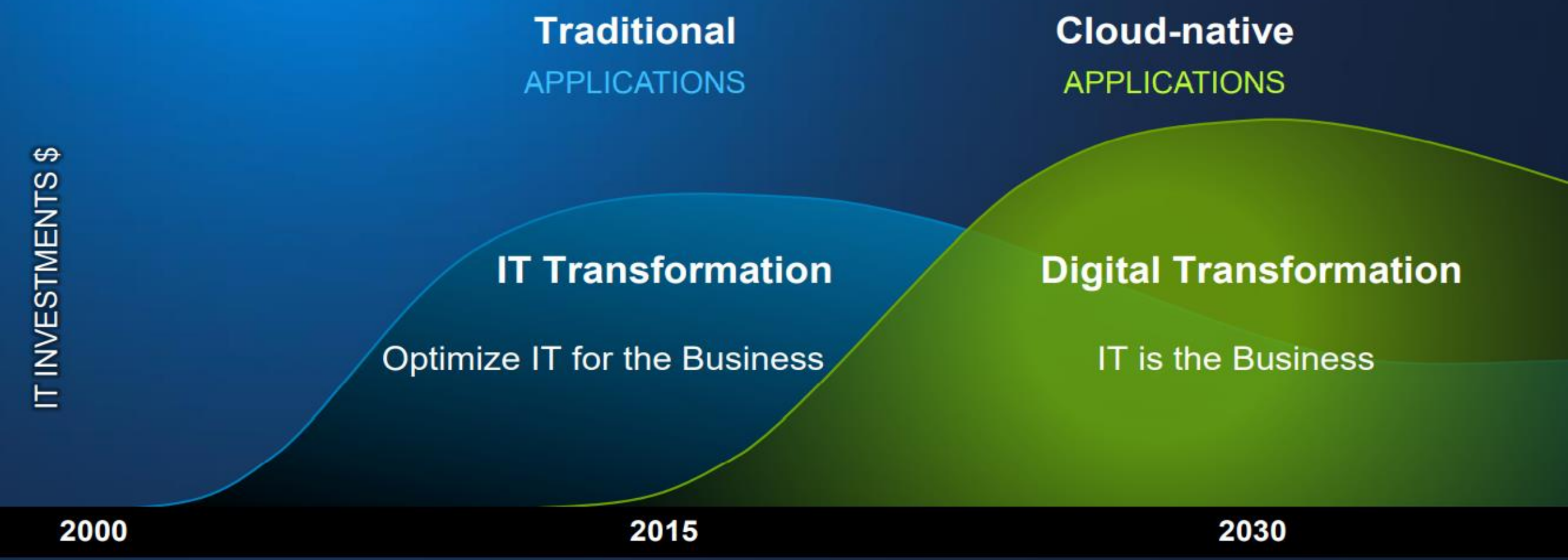
IT Transformation and Digital Transformation

IT Transformation and another industry term, “digital transformation,” sound synonymous but are different.

Digital transformation emphasizes evolving to thrive in a digital economy

IT Transformation centers on modernizing the underlying technology infrastructure, operations, and delivery of services.

IT transformation enables Digital transformation



CIO CHALLENGE

An Eye to the Future

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Dell EMC PowerProtect Cyber Recovery Solution

Could You Survive a Ransomware Attack?
Protecting your business starts with protecting your data

According to research from Cybersecurity Venture, by 2021, a new organization will fall victim to a ransomware attack every 11 seconds. Organizations of all sizes are looking at proactive approaches to protect, detect and most importantly recover in the event of a ransomware attack.

The traditional approach is lacking on several fronts

When we look at the number of organizations that have been forced to pay a ransom, it's clear that current defences are inadequate.
It is estimated that, on average, hackers have penetrated your network for about 200 days before triggering data to be encrypted.
A precious time that often allowed them to understand the ramifications of your network and above all, to attack your protective measures such as backups and disaster recovery site.

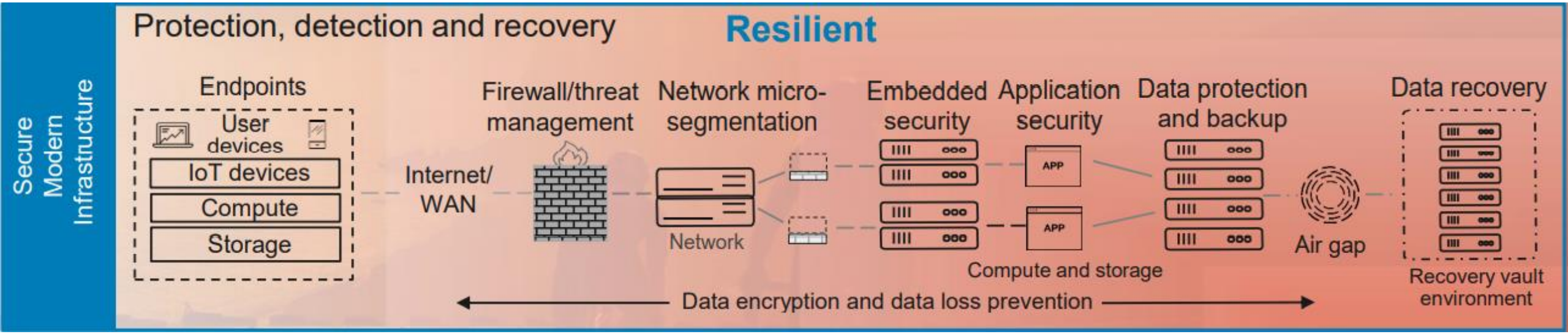
The Bigger Truth

Organizations are moving away from a focus on cybersecurity and toward a more comprehensive approach known as cyber resilience. Rather than hope that they can defeat cyber threats 100% of the time, they are instead assuming that a cyberattack will eventually succeed and the organization will need to recover from the attack and resume operations as quickly and cost-efficiently as possible.

In order to successfully recover business-critical data and systems after a cyber incident, unaffected or “clean” copies of applications and data sets must be available. The challenge becomes how an organization ensures that clean data and unaffected applications exist.

Cyber Recovery Solution

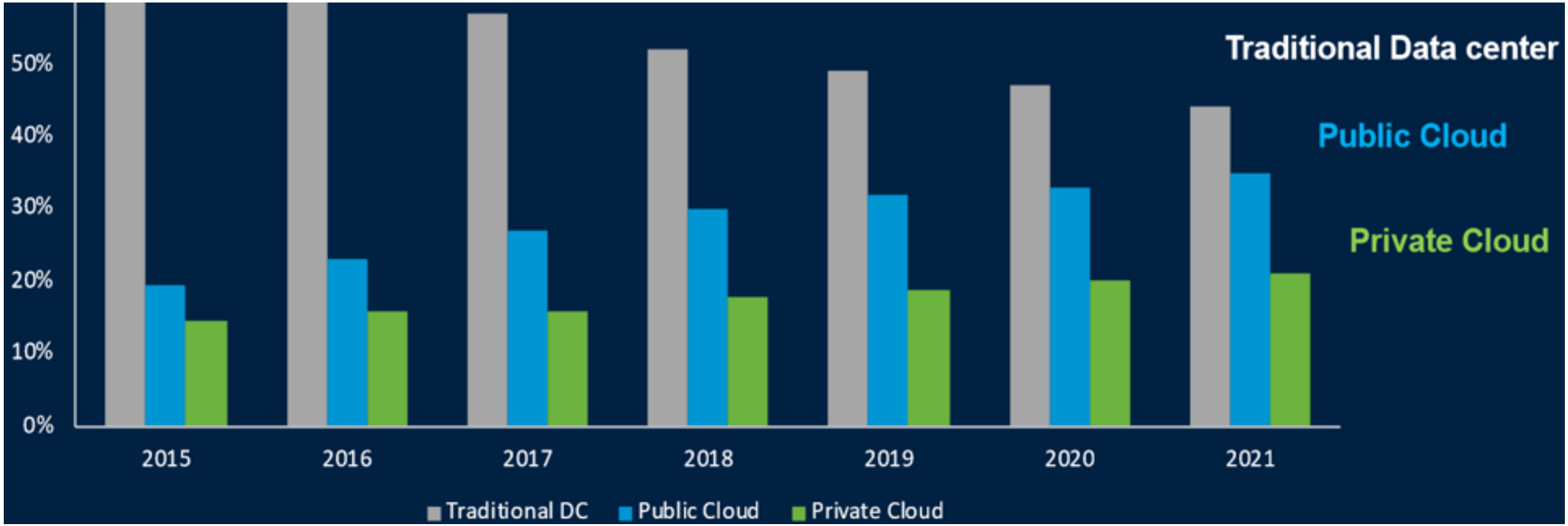
Secure Moderne Infrastructure



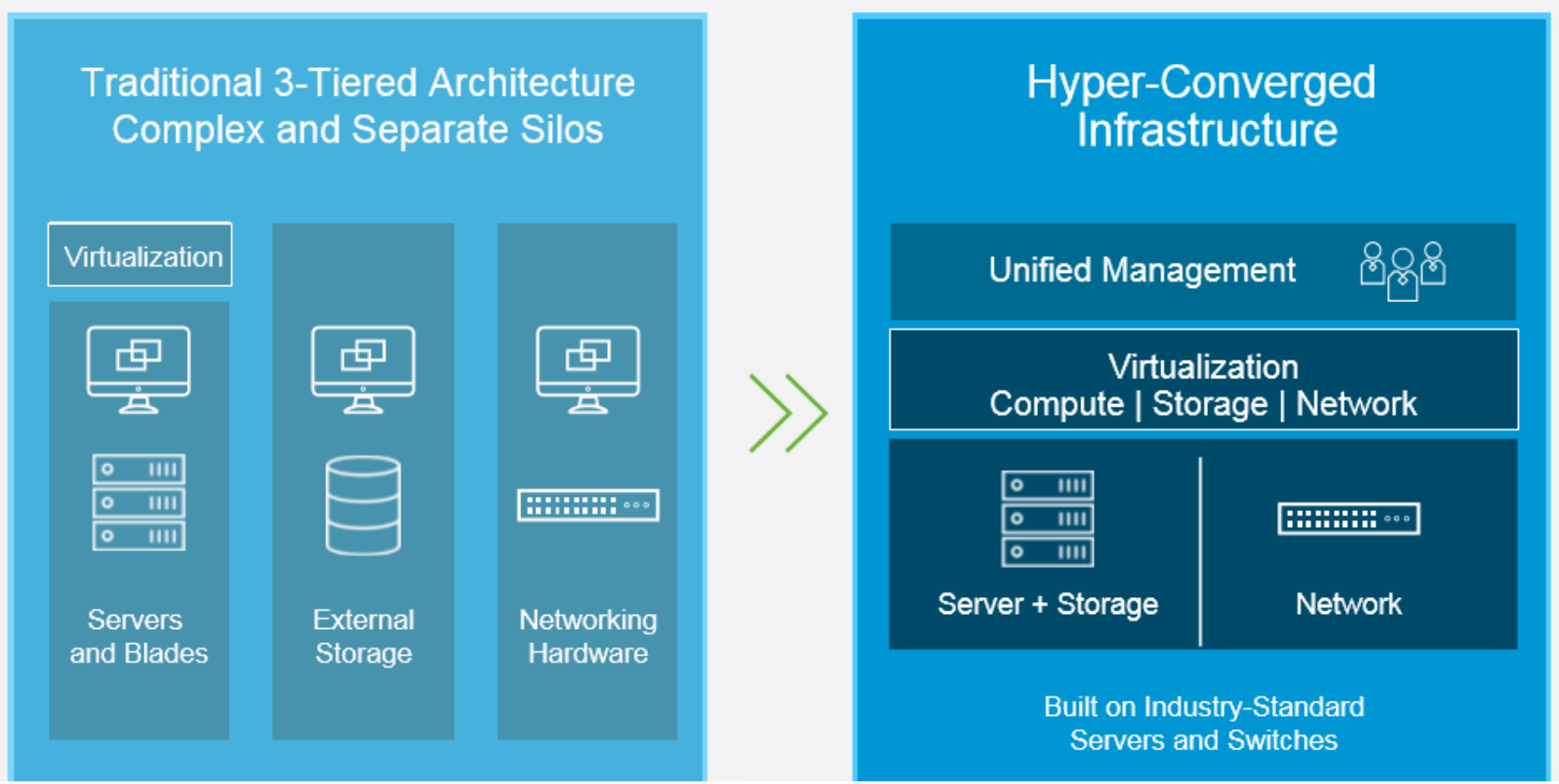
PowerStore

Designed for the Data Era

Infrastructure is changing

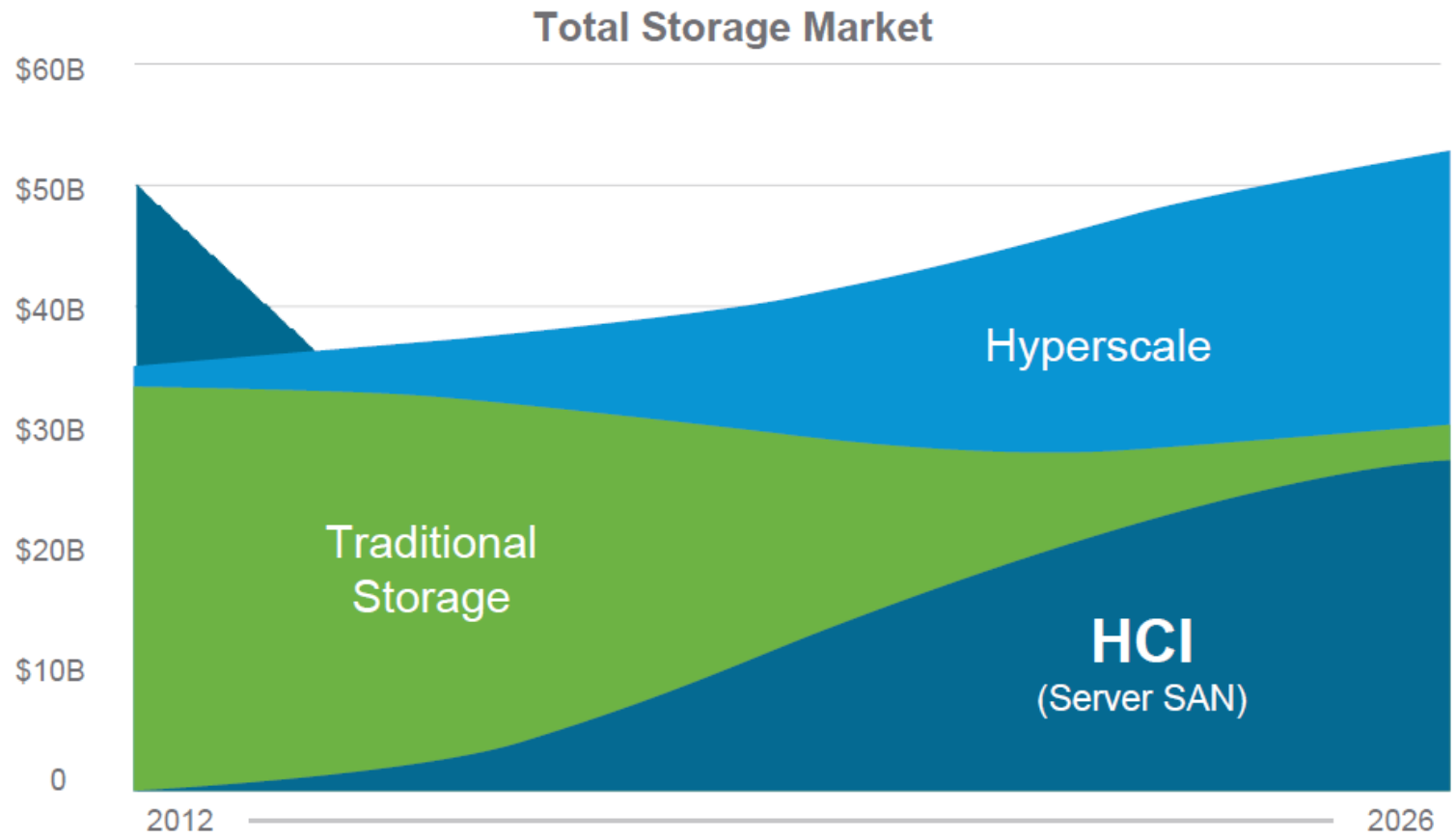


AS IS: Traditional and Hyperconverged infrastructure



Traditional Storage Market:

HCI is the Fastest Growing Storage Segment



HCI Best practices for Workloads

GO, GO, GO!

- Mission critical applications
- Mixed virtualized environments
- Hybrid Cloud
- VDI
- IaaS
- PaaS
- Test/Development
- Server/Storage refresh
- IT Transformation

PROCEED WITH CAUTION

- Big data analytics
- Healthcare applications

STOP, DO NOT PROCEED

- Extremely large databases
- Large scale file deployments
- HPC with massive calculations
- True archiving

Data-centric

Ultimate workload flexibility

Any Workload

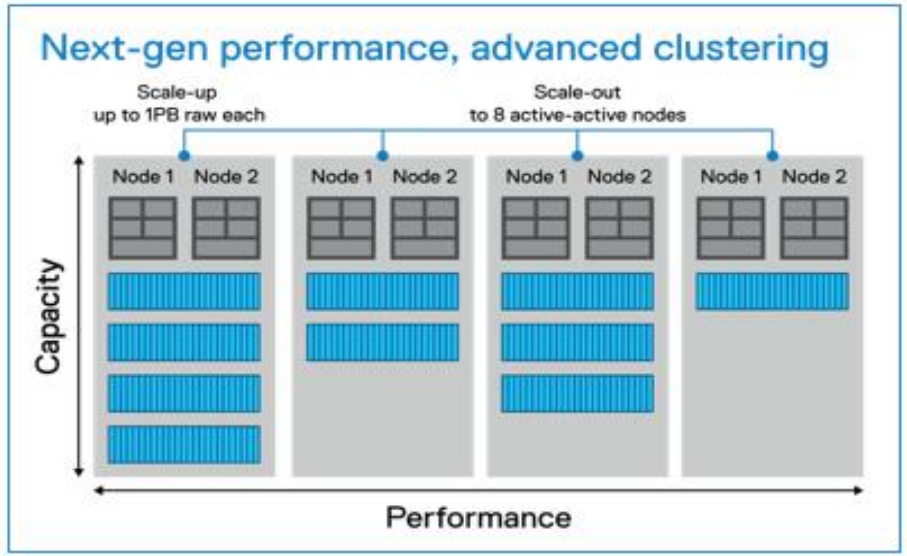
- **Unified**: single platform for block, file, and vVols
- **Scale**: scale-up and scale-out
- **Metric**: designed for 99.9999% availability

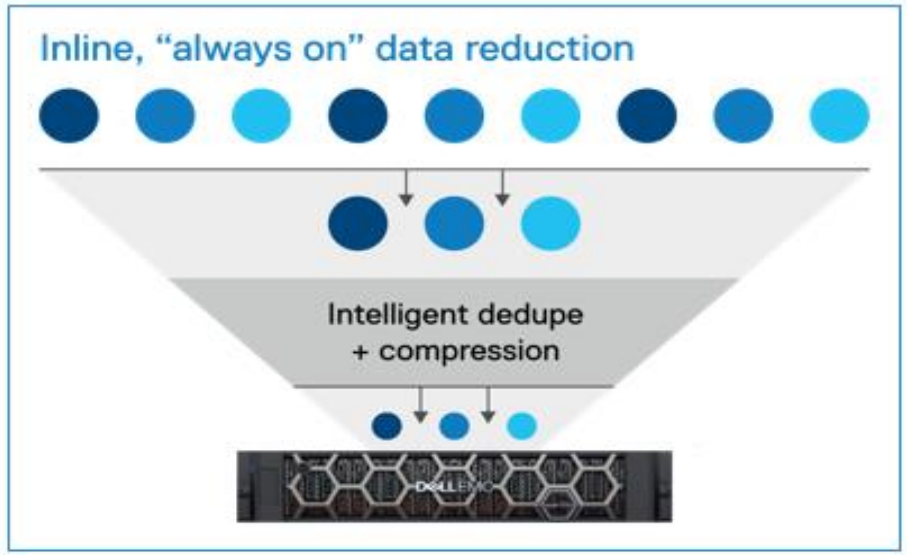
Performance Optimized

- **Controllers**: Active-Active with end-to-end NVMe
- **Media**: Flash or Storage Class Memory (SCM)
- **Metric**: 7x faster, 3x lower latency than Unity XT

Efficiency Without Compromise

- **Inline**: always-on data reduction
- **Intelligent**: dedupe and compression
- **Metric**: 4:1 data reduction guaranteed





Intelligent

Autonomous, consistent operations

Programmable Infrastructure

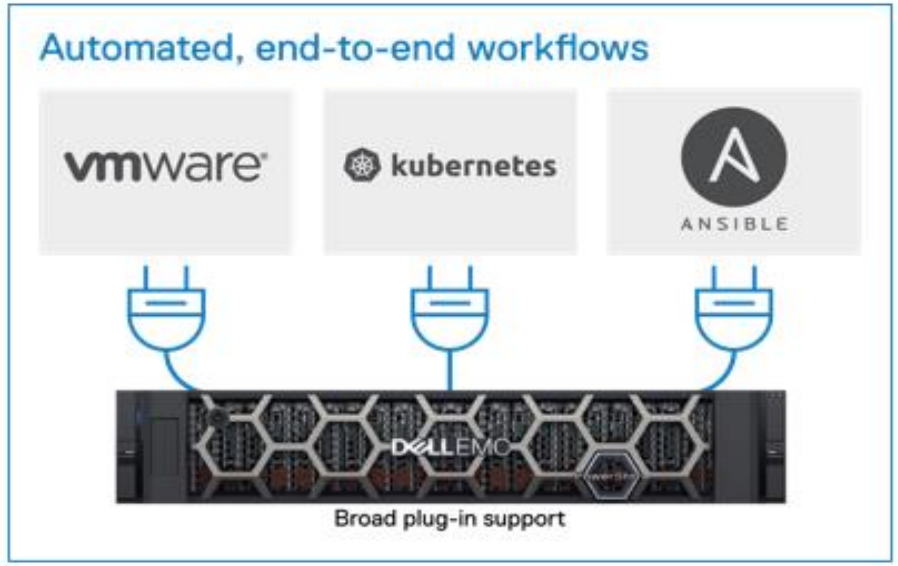
- **Automate:** storage provisioning processes
- **Deploy:** eliminate manual steps, reduce risk
- **Metric:** new resources in seconds vs days

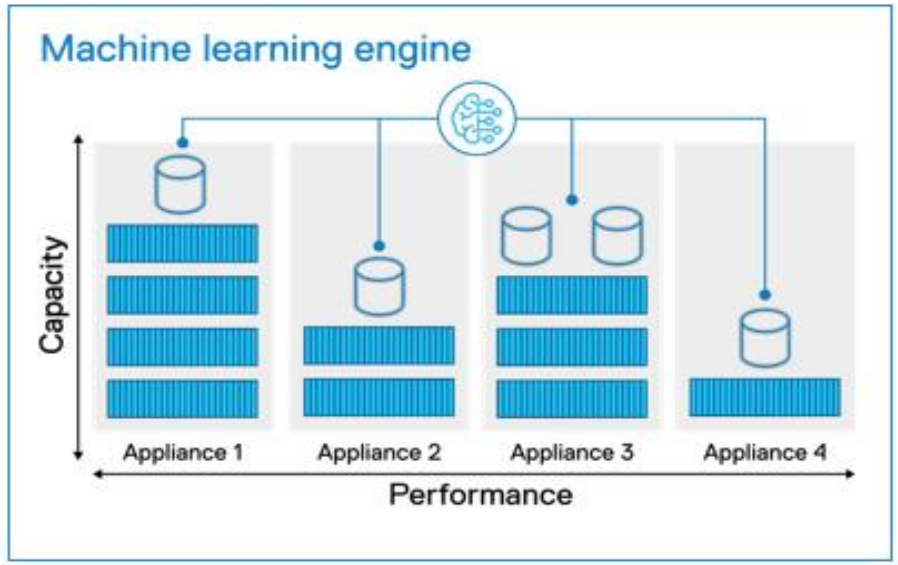
Autonomous Appliance

- **Discover:** new appliances automatically
- **Machine Learning:** improved system utilization
- **Metric:** 99% less staff time to rebalance volumes

Proactive Health Analytics

- **Anticipate:** business needs and avoid outages
- **Simple:** single pane of glass view of data center
- **Metric:** 16x faster to identify HA problems





Adaptable

Continuously modern and highly adaptable

Flexible Architecture

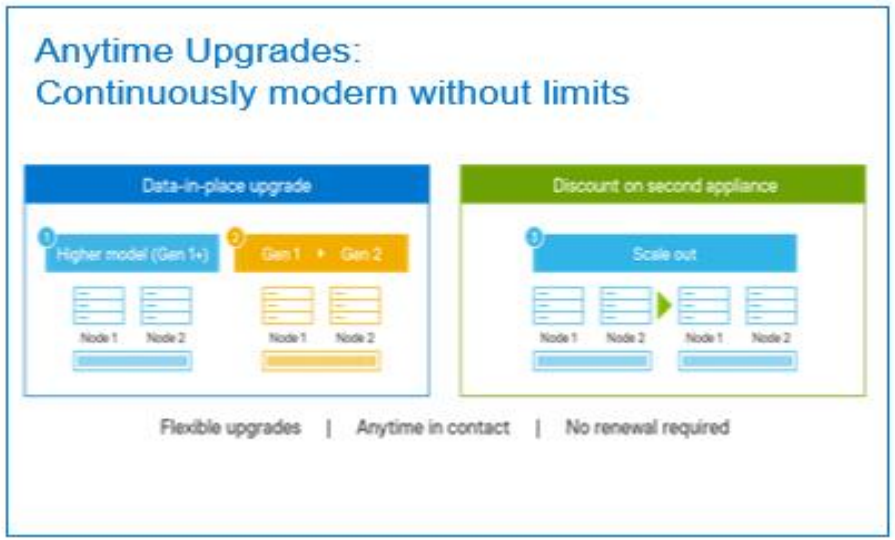
- **Container-based:** design for faster innovation
- **Consistent:** services across platforms
- **AppsOn:** ability to run apps locally

Flexible Deployment

- **Edge:** small footprint, easy to deploy
- **Cloud:** seamless application movement with VCF
- **Data Migration:** on to platform is fully automated

Flexible Consumption

- **Pay-Per-Use:** consumption solutions with DTOD
- **Future Proof Program:** backed with confidence
- **No Migrations:** non-disruptive controller swaps with Anytime Upgrades



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Grazie

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