

The AI Moment & the IT Industry AI Pivot

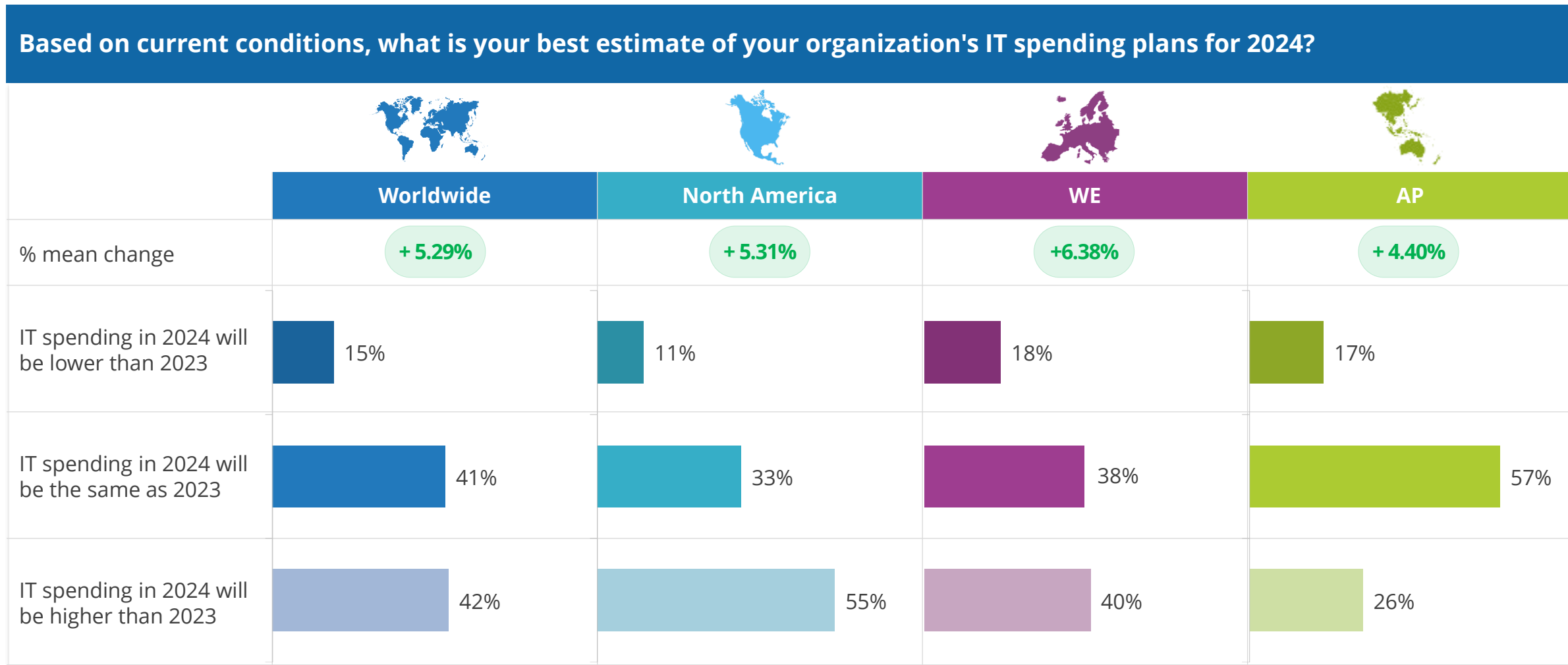
Preparing for the Next Era

Rick Villars
GVP, Worldwide Research
April 25, 2024

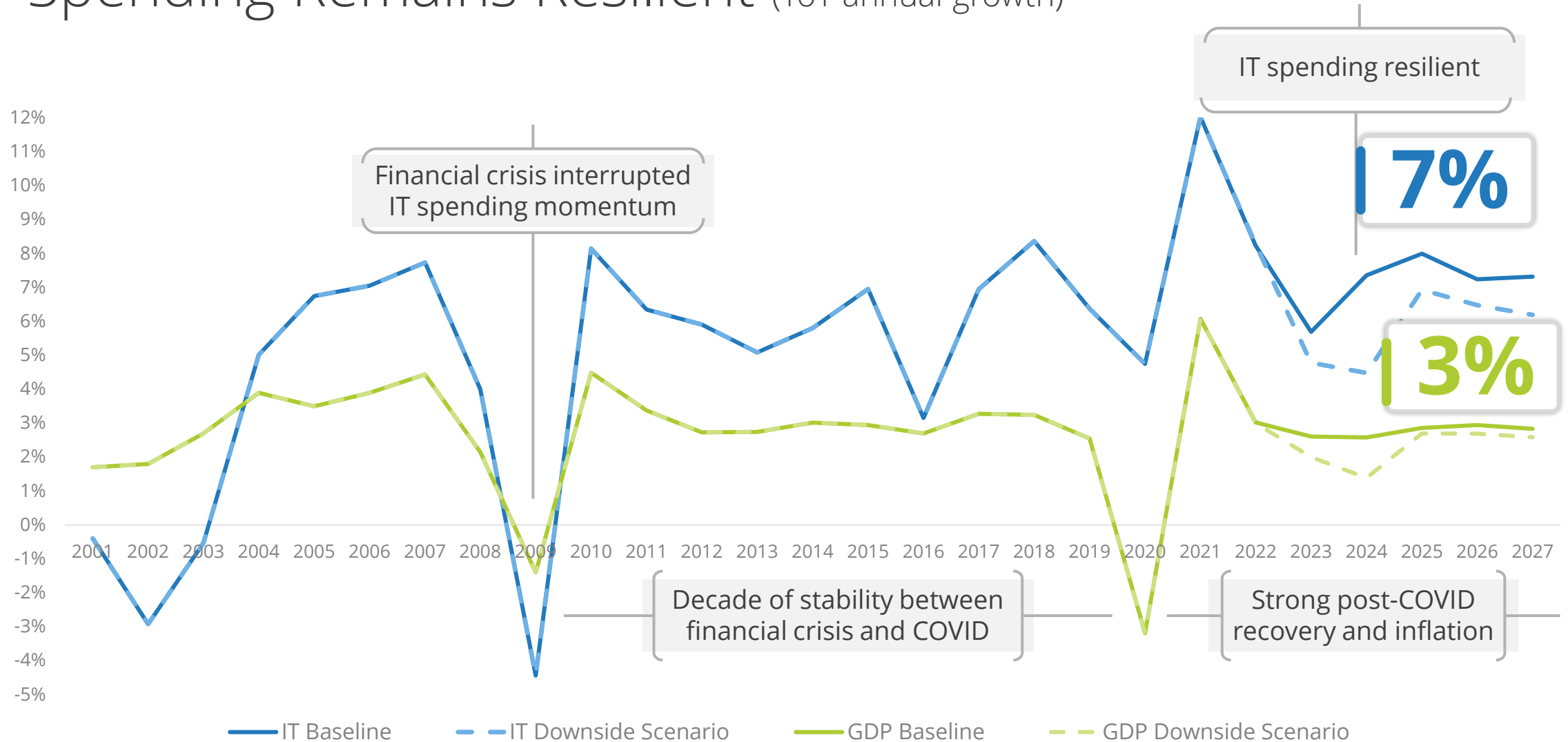
Outlook for Economy and IT Demand



At the start of 2024, 83% of IT leaders expect full year spending in 2024 to increase or remain stable with a majority of North American respondents expecting increases.



IT Spending Remains Resilient (YoY annual growth)



Source: IDC Worldwide Black Book (February 2024) growth in constant currency; excludes telecom spending and business services

North American Tech Leaders Perspective

Economic Outlook

43% expect 2024 GDP be lower expected

- **28%** anticipate higher

Just **28%** expect a recession in 2024

- It was **83%** in 2023

IT Spending Outlook

55% expect 2024 spending to be higher than in 2023

Only **11%** anticipate a decline.

Mean Increase of **5.3%**

Top 2 Threats to Plans

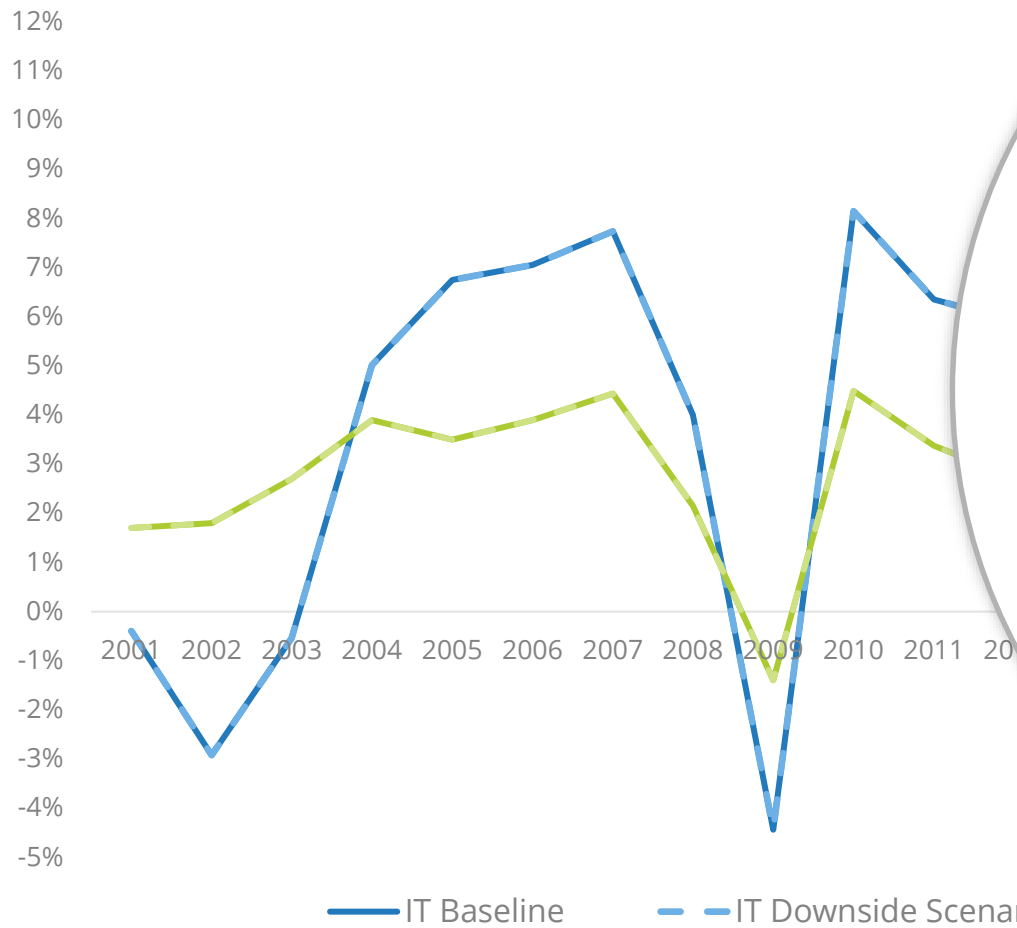
36% managing anticipated AI costs

35% dealing with IT supply chain constraints

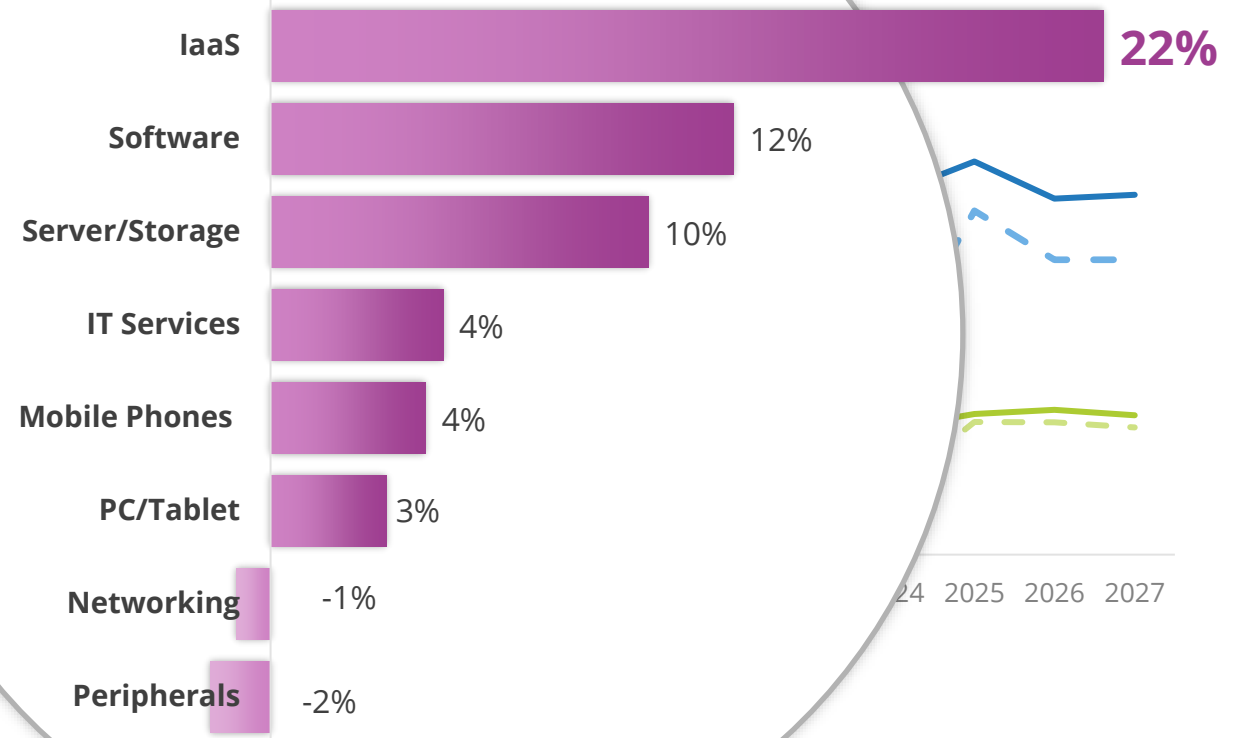
32% inflated vendor prices

Where Is The Growth?

(Worldwide YoY annual growth)



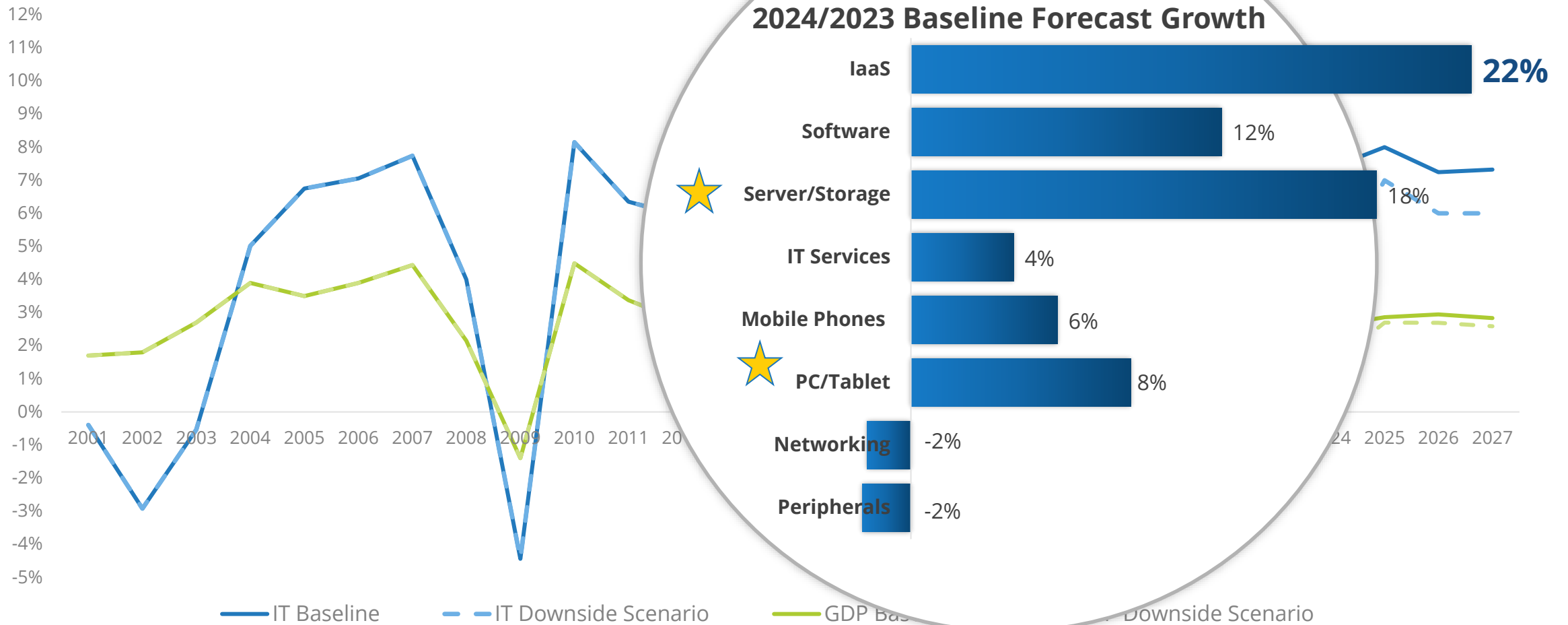
2024/2023 Baseline Forecast Growth



Source: IDC Worldwide Black Book (February 2024) growth in constant currency; excludes telecom spending and business services

Where Is The Growth?

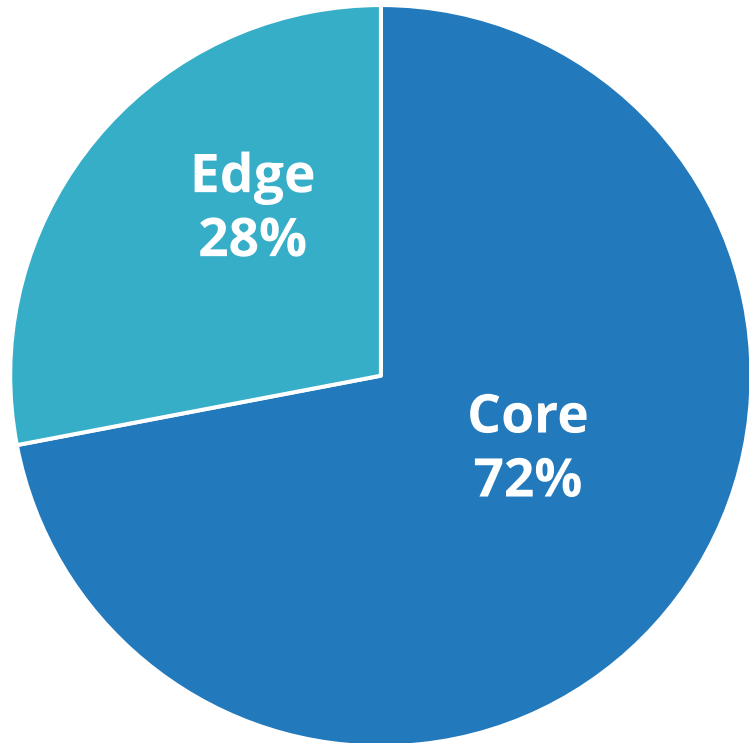
(North American YoY annual growth)



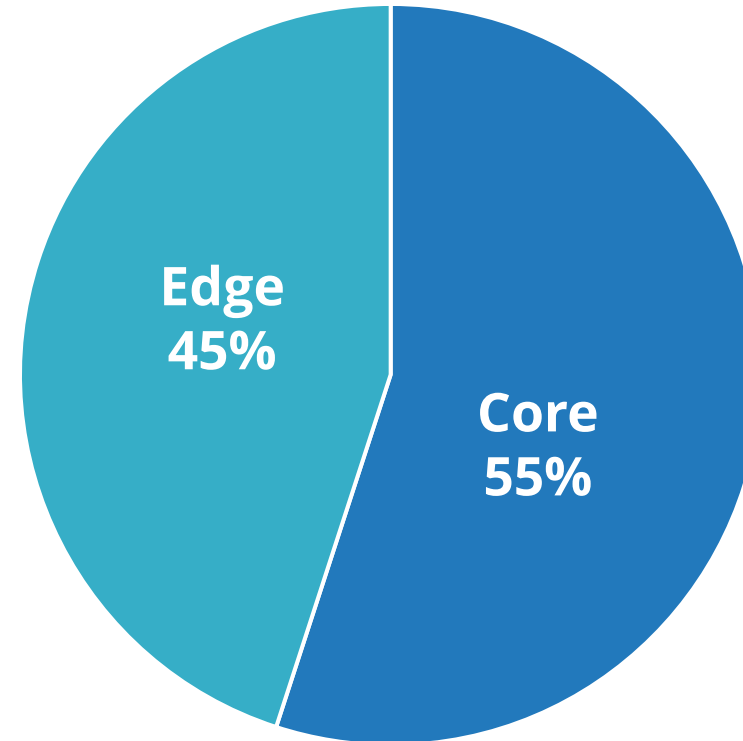
Source: IDC Worldwide Black Book (February 2024) growth in constant currency; excludes telecom spending and business services

What about the Edge?

U.S. Enterprise Edge Server Distribution



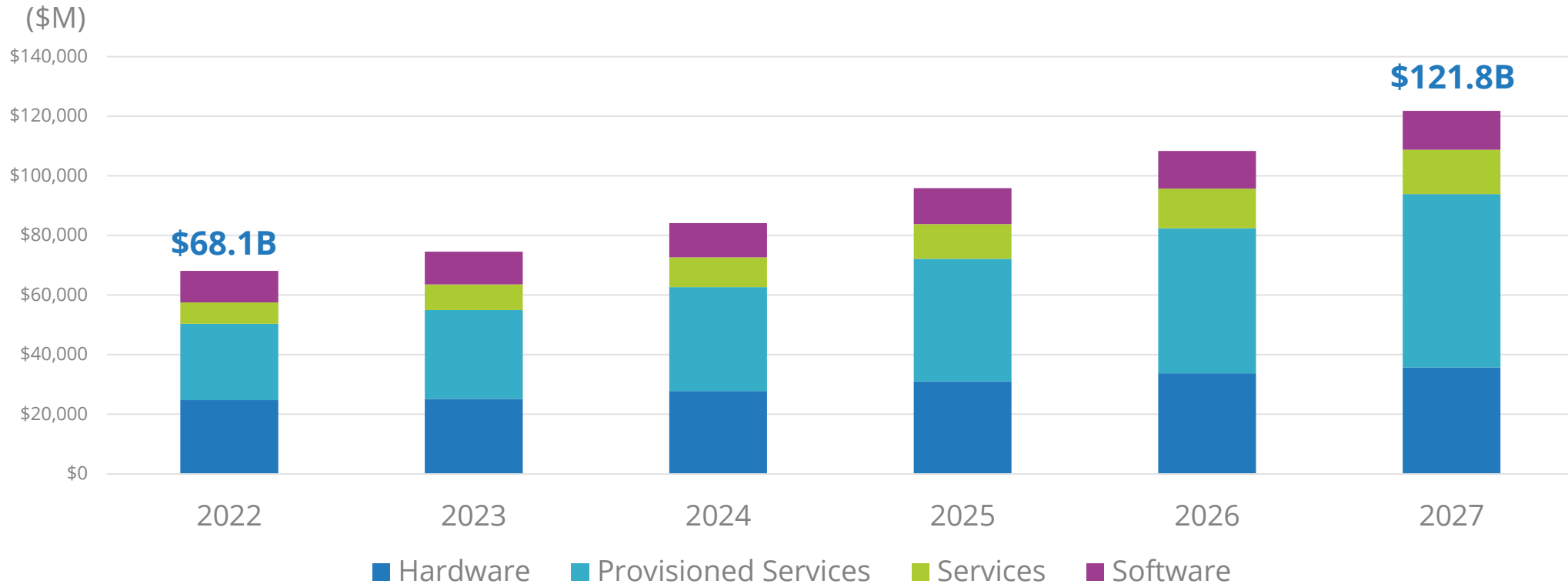
2022 Revenue total = \$20.2b



2027 Revenue total = \$22.1b

IDC Edge Spending Guide:

Americas Enterprise Edge Spending by Technology Category, 2022-2027



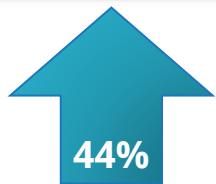
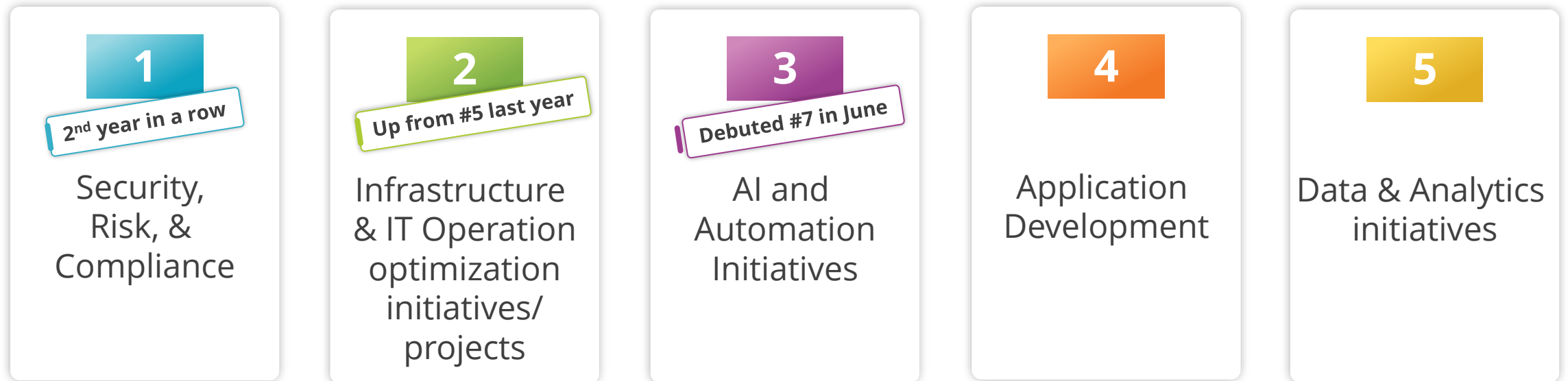
Small footprint AI models that can deliver business value using traditional CPUs and smaller sets of parameters and data are garnering consideration by 85% of organizations

Enterprise Investment Priorities



Critical Investment Domains in North America

Which of the following are immune to budget reduction regardless of the economic environment?



Greatest GenAI driven budget Increases

The CEO Perspective: Where Must Enterprises Invest?

Infrastructure & Operations (including cloud, networking, and connectivity)



Automation technologies

42.9

Security, Risk, & Compliance

39.5

Application Development and Deployment platforms

39.5

Data, Analytics & AI

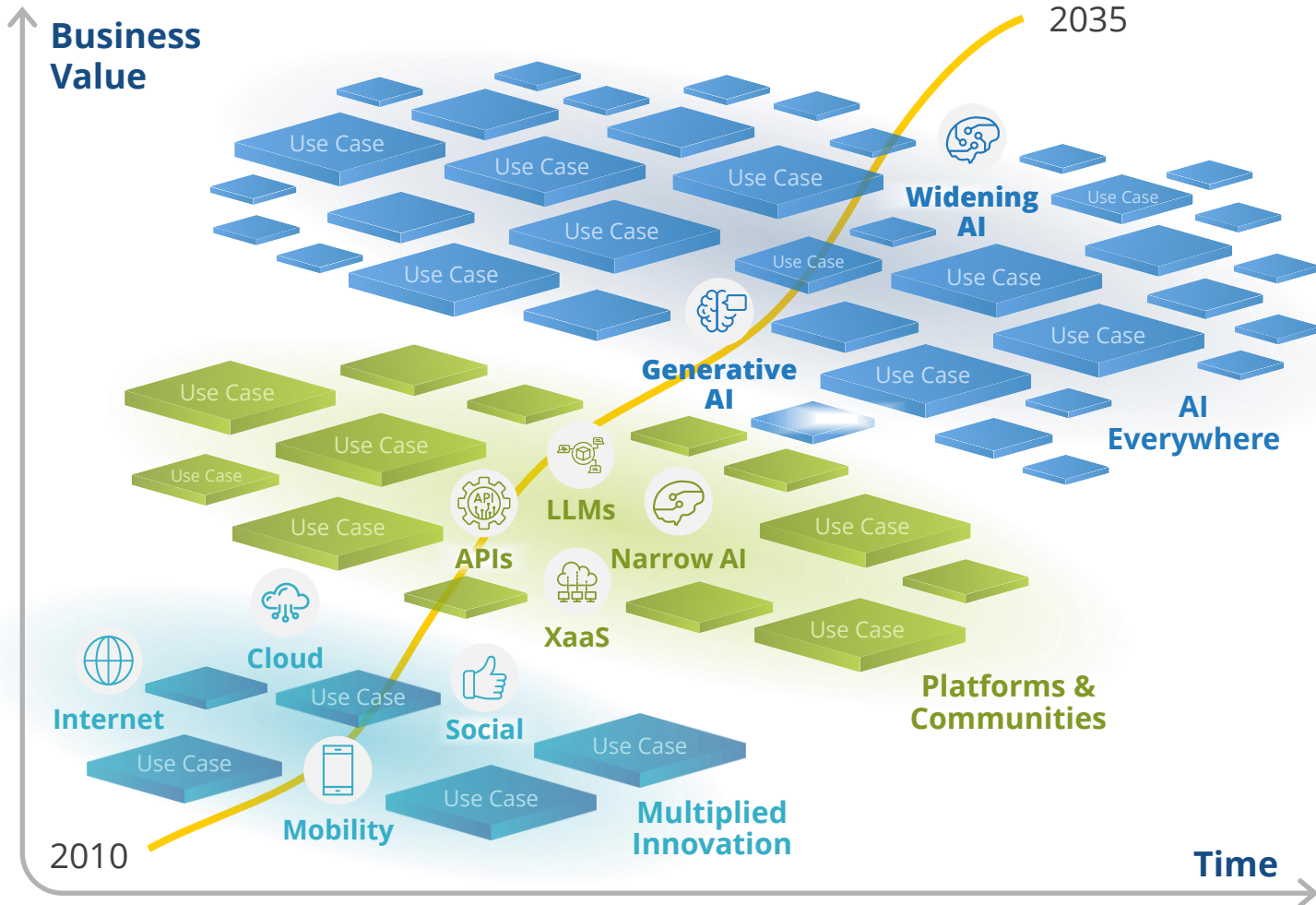
31.1

%



The AI Everywhere Era

Digital Business: Innovation at Scale



83% of enterprises believe GenAI has or will soon disrupt their business

Intelligence Architecture. A data-centric platform underpinning the enterprise

Digital Operations At Scale. Cost-effective digital infrastructure for AI workloads

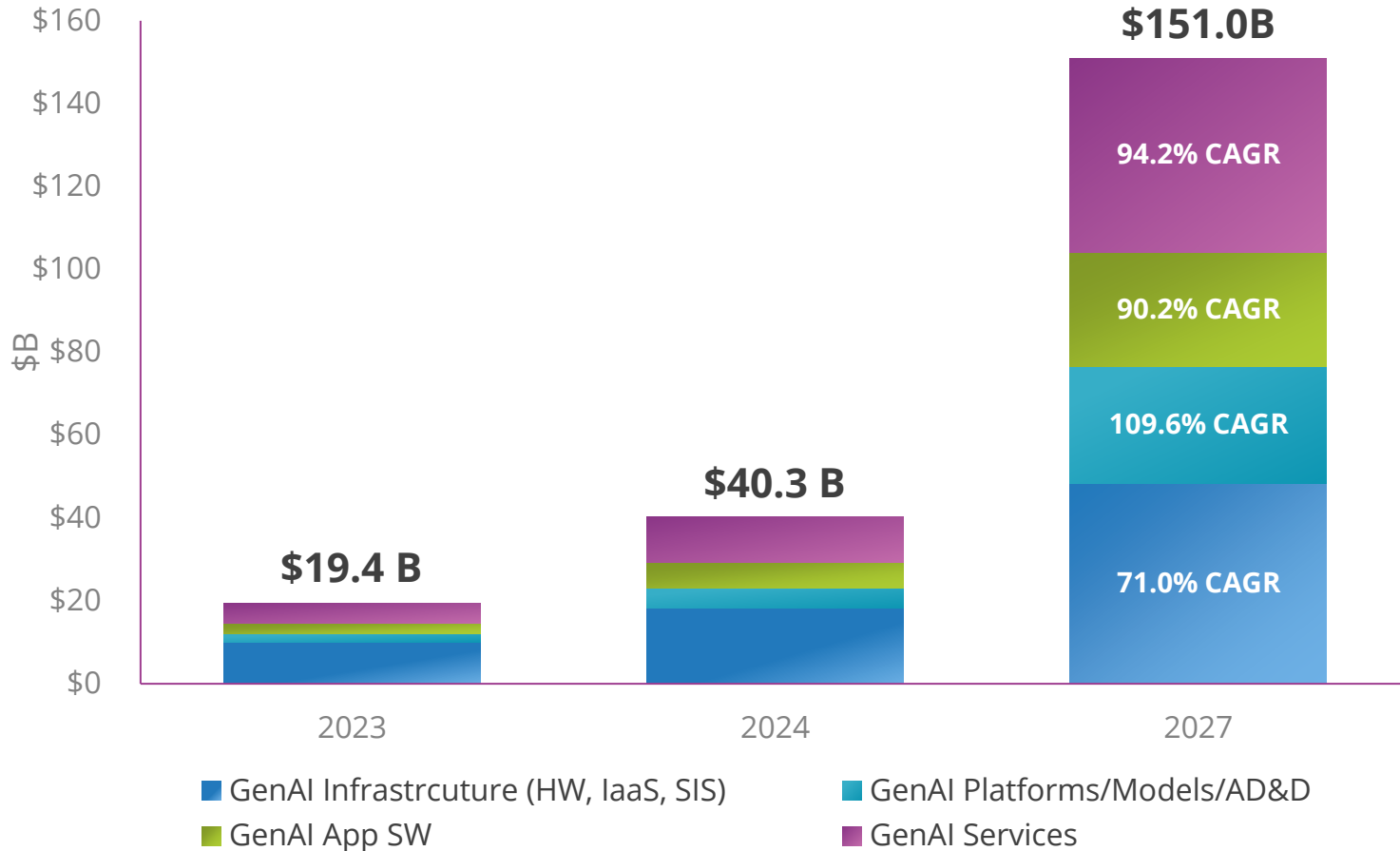
Skills. Attracting and reskilling talent for transformed work models

Trust. An upfront focus on trust

\$521B AI spend in 2027

The Generative AI Market Opportunity

Worldwide Generative AI Forecast (2022-2027)



By 2027

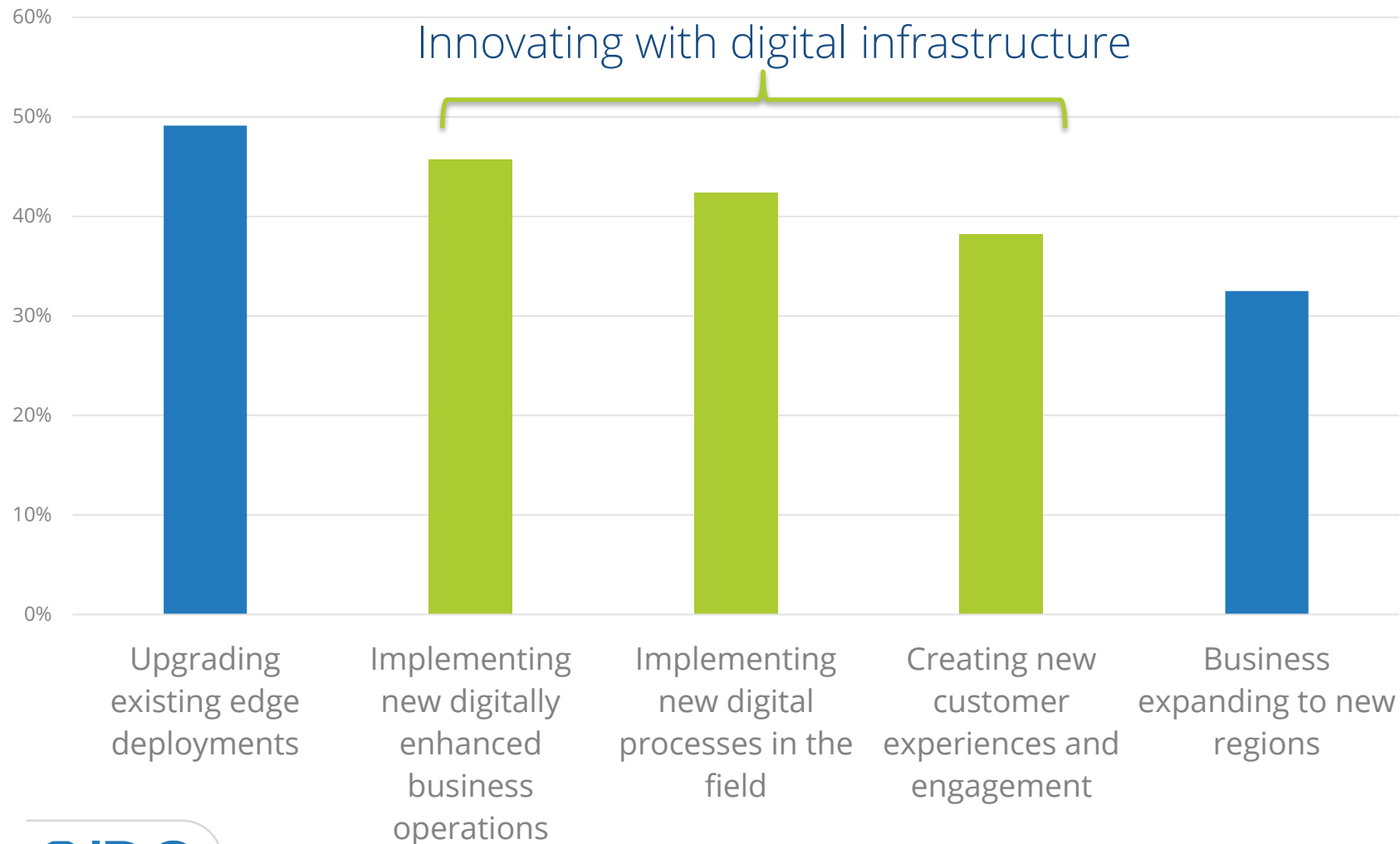
GenAI represents 29% of AI spend

Technology Category	2024 Spend
GenAI infrastructure	\$18.3B
GenAI models, platforms, AD&D	\$4.7B
GenAI-enabled apps	\$6.3B
GenAI enablement services	\$11B

NA accounts for **60%**

Edge investments tightly aligned with digitally infused operations, engagement... **and AI Expansion**

What is driving your organization's need for new edge infrastructure?



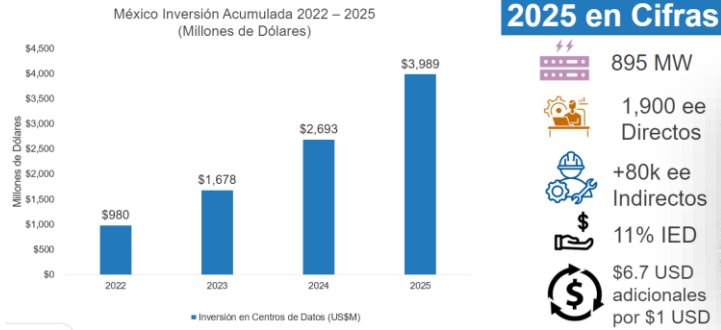
AI Hot Spot



19% Y/Y increase in x86 Server spending

IDC Enterprise Infrastructure Tracker

Para 2025 se habrán invertido \$9,340 Millones de Dólares en Centros de datos México



2025 en Cifras

- 895 MW
- 1,900 ee Directos
- +80k ee Indirectos
- 11% IED
- \$6.7 USD adicionales por \$1 USD

For First Time in Two Decades, U.S. Buys More From Mexico Than China

New York Times, February 7, 2024

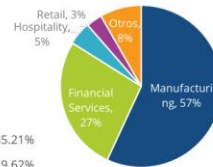


The Role of Foreign Direct Investments as Technology Enablers

Foreign Direct Investments Evolution 2018-2023 (MUSD)



Main Sectors in Foreign Direct Investments, 2023H1



Foreign Direct Investments by State



US\$ 1.9B Estimated investments in technology projects, given the nearshoring impact in Mexico between 2024 and 2027.

IDC Roadmap Forum LatAm 2024

Source: Statistical Report on the Behavior of Foreign Direct Investment in Mexico (January-June 2023)

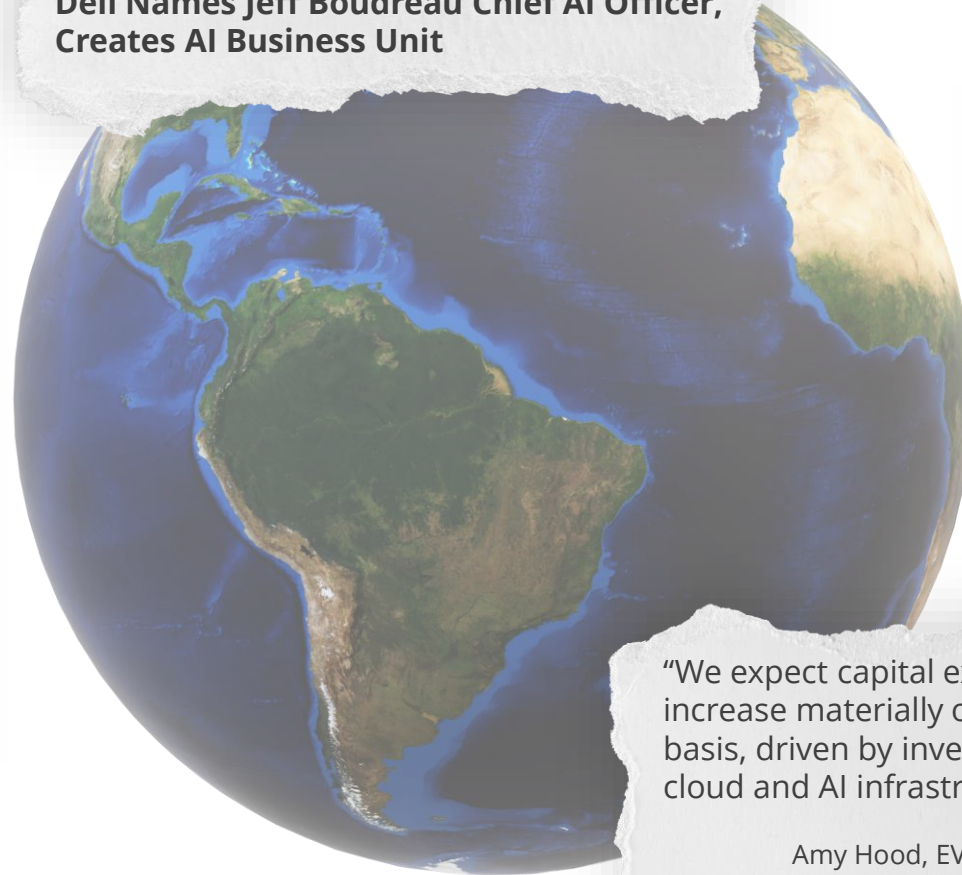


The Global IT Industry AI Pivot

With tech providers allocating 50% of R&D, staffing, and CAPEX investments for AI and automation through 2026, CIOs will struggle to align vendor selection and IT Ops priorities with new use cases.

IDC Worldwide IT Industry
FutureScape, 2024

Dell Names Jeff Boudreau Chief AI Officer,
Creates AI Business Unit



100+ M&As



accenture



Meta servicenow



intel.



Alphabet

"We expect capital expenditures to increase materially on a sequential basis, driven by investments in our cloud and AI infrastructure"

Amy Hood, EVP & CFO, Microsoft.
Q4 2023 Earnings call, January 30, 2024

Key AI Pivot Points

The Great Data Grab

Providers aggressively expand their private/open-source data models and AI platform portfolios, making partnering decisions more challenging.



Multi-quarter order backlogs for key products, but no where to put them

Infrastructure Turbulence

Enterprises continue to deal with uncertain infrastructure supply, costs, and accessibility.

Services Industry Transformation

40% of services engagements include GenAI-enabled delivery, triggering a shift in human-delivered services.

64% of NA enterprises expect Services providers to deliver faster, at greater volume, and with better quality and insight

Top GenAI Inhibitors



30% Loss of control
over data and IP



26% Excessive GenAI app
add-on costs



25% Excessive infrastructure
costs for models & training

The Critical Next Stage of the AI Pivot

From An Economy of **Scarcity**

Supply constrained
Concentration of assets
Risk Avoidance

The Critical Next Stage of the AI Pivot



To An Economy of **Abundance**

Abundant supply

Wide distribution of assets

Reduced experimental risk

The Foundations of Abundance in 2027

Embeddable AI Silicon – Everywhere

Deliver AI acceleration in embeddable chiplets for PCs/devices and smart "things"



60% of PCs in 2027

Cloud-based Control

Cloud-based for zero-touch provisioning and zero trust security required for distributed AI



A Digital High Frontier

Leverage low Earth orbit satellite connectivity to create a unified fabric for resilient/ubiquitous access and guaranteed data fluidity.



Key Takeaways



GenAI Models/Platforms are **major new workloads** that will require new approaches to Build/Buy decision making. The focus will be scaling use of **data and models**.

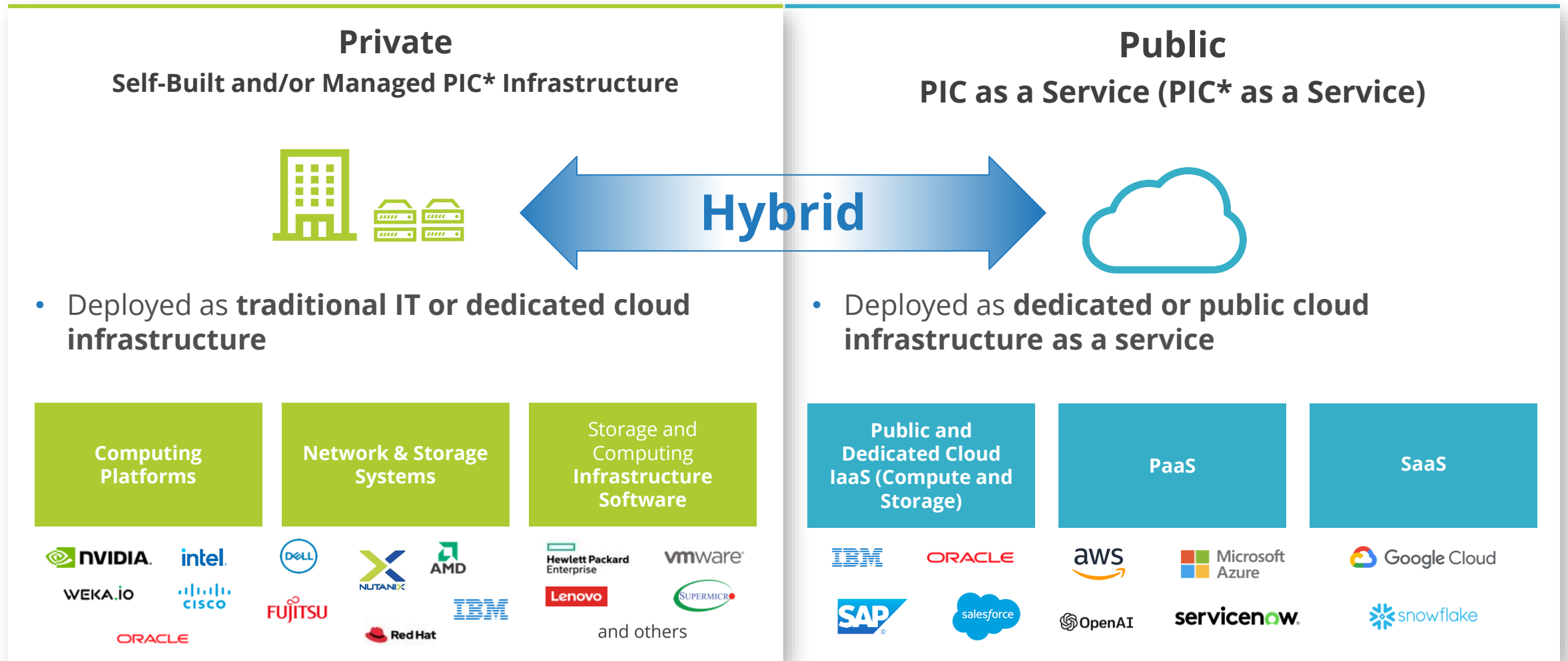


Use cases are critical for prioritizing data & models but enterprise scale requires a scalable and distributed approach plus a solid **app/data/model governance** foundation.



With greater levels of special training/tuning with private data and broader inferencing, enterprises must focus on **location, infrastructure, facilities, and skills** constraints.

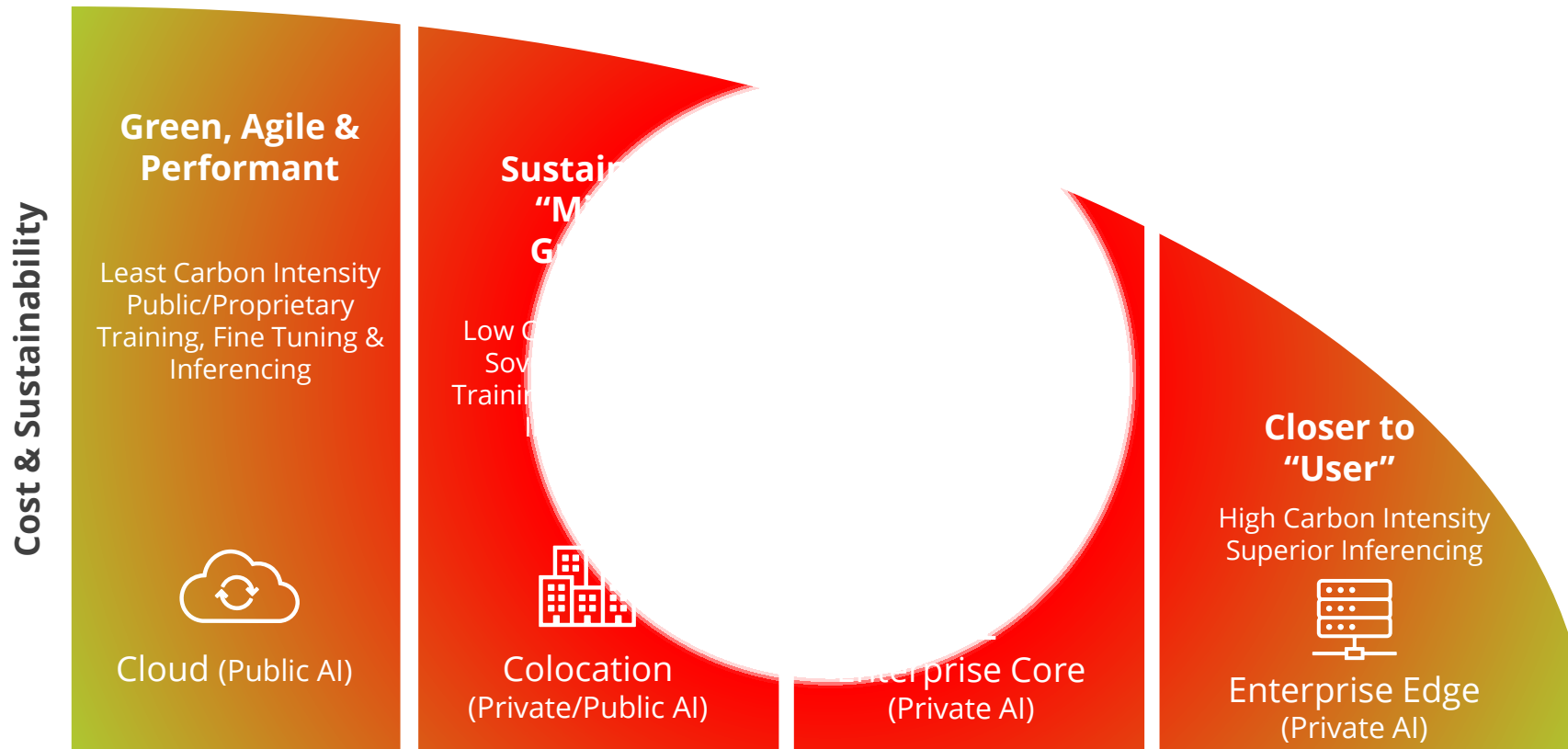
GenAI-optimized Workload Deployment Options



For Your Consideration: What Color Is Your AI

Balancing Resource Implications with Governance Objectives

Selecting the optimal infrastructure—whether public cloud platforms, colocation, or on-premises data centers—demands a balance between environmental considerations and strategic imperatives.



Meeting Strategic Governance Objectives

Data Privacy, Sovereignty, Compliance & Performance

Capitalizing on the AI Moment

Look for Hot Spots

identify critical use cases

Prepare for Abundance

invest in enabling the economic shift to AI-enabled business

Cost, Data, Code

Establish your role in enabling control

Local Partner

enterprises are thinking globally, but need help locally



Thank You

Rick Villars
GVP, Worldwide Research
rvillars@idc.com



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