

**PRESENTATION**

**AI Factories  
Scaling AI-ready  
Infrastructure**

**1:35 PM - 2:00 PM**



**PRESENTER**

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“

AI Factories are AI-ready infrastructure environments composed of accelerated compute, high-performance AI storage, intelligent networking fabrics, and AI-specific systems software designed to provide a standardized, scalable, and repeatable platform for training, fine-tuning, and deploying AI workloads across cloud, core, and edge.

**IDC's definition of AI Factories**



“

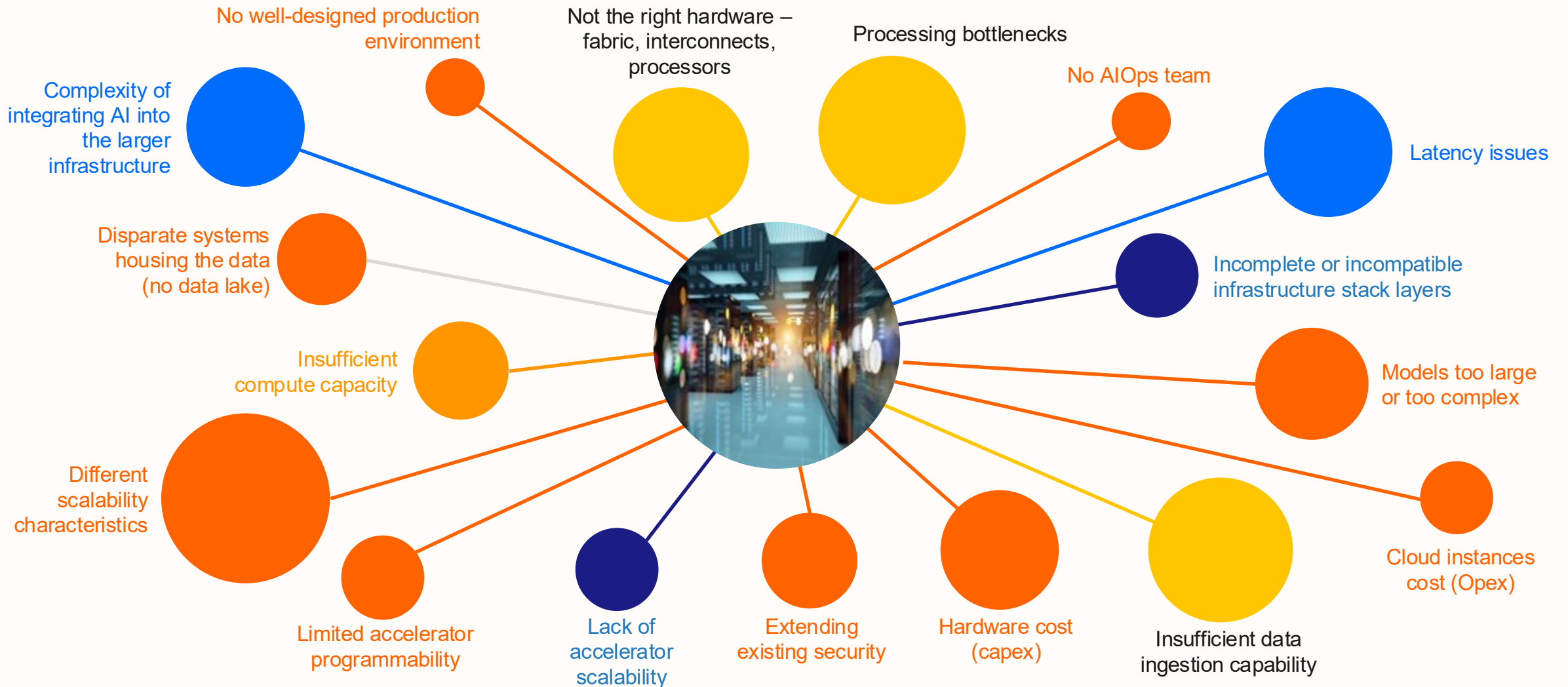
By 2027, the massive computational and data demands of AI will compel 80% of organizations to modernize legacy cloud environments by shifting to new platforms specifically designed for AI workloads.

By 2028, 70% of the G2000 will modernize their data storage infrastructure and improve data logistics to feed quality, curated data to AI models on storage systems that can optimize GPU clusters.”

**FutureScape Predictions, 2026**

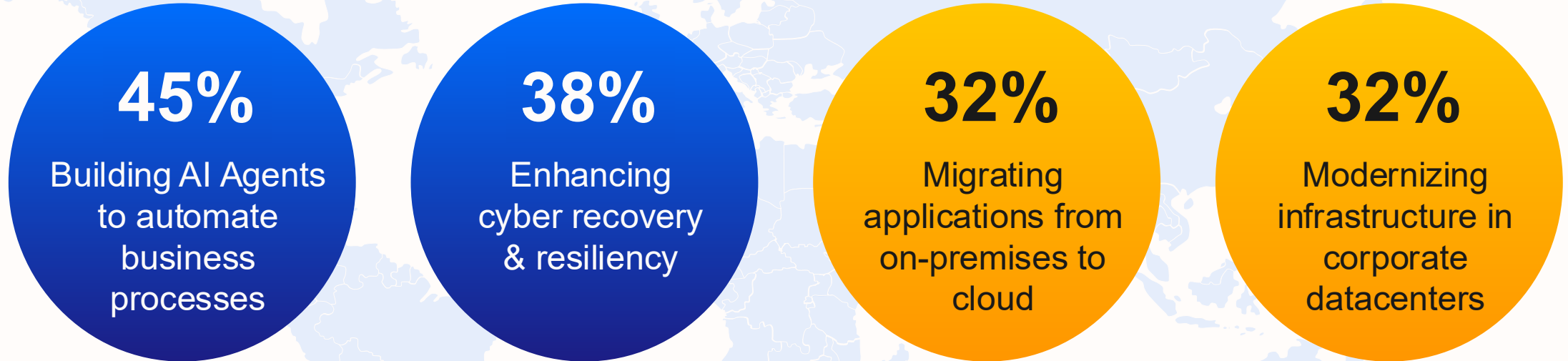


# IT buyers tend to underestimate the role played by infrastructure



# Migration to cloud and modernization of datacenters are of equal interest to enterprise customers

Top Areas for Significant Budget Increases in 2026, Regardless of Overall Budget Plans

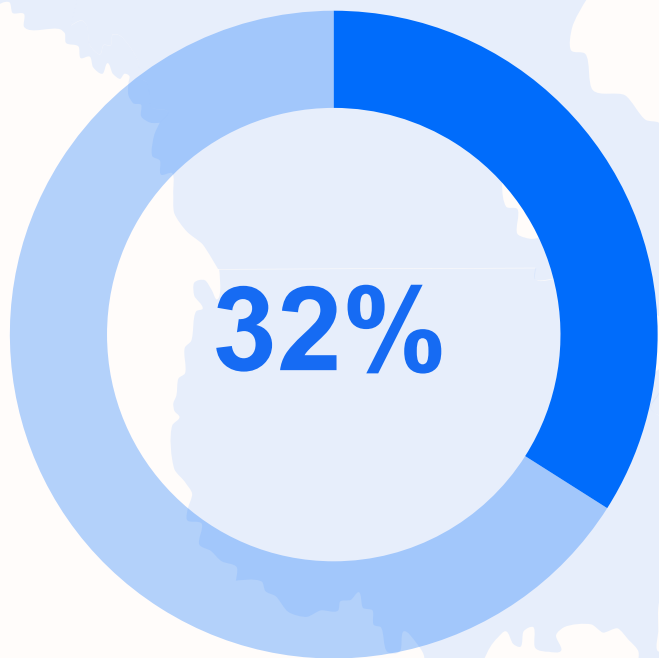


Source: Future Enterprise Resiliency & Spending Survey Wave 9 IDC, December 2025, N=1,007



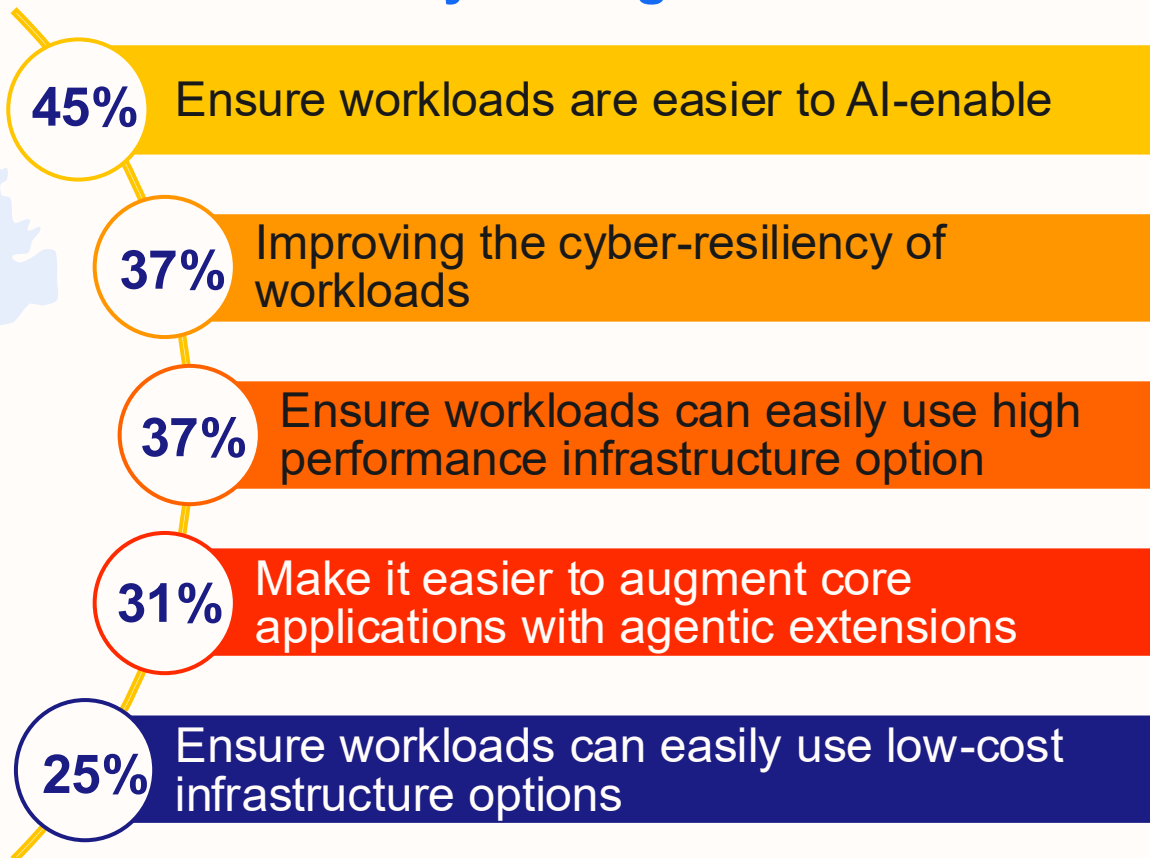
# Regardless of overall IT spending plans, in which areas do you expect to most significantly increase spending in 2026?

## Migrating applications from on-premises to cloud (IaaS or SaaS)



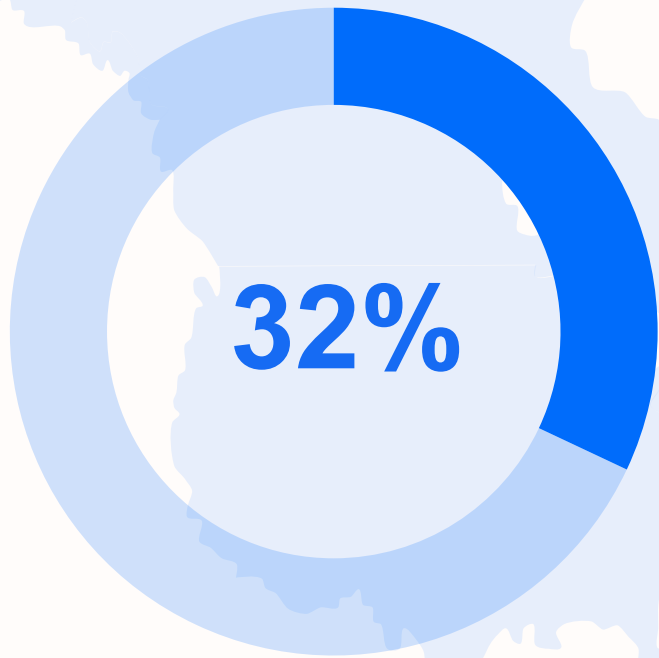
Future Enterprise Resiliency 9 Spending Survey Wave 9 IDC, December 2025, N=364

## Most important outcomes you want to achieve from your migration to cloud



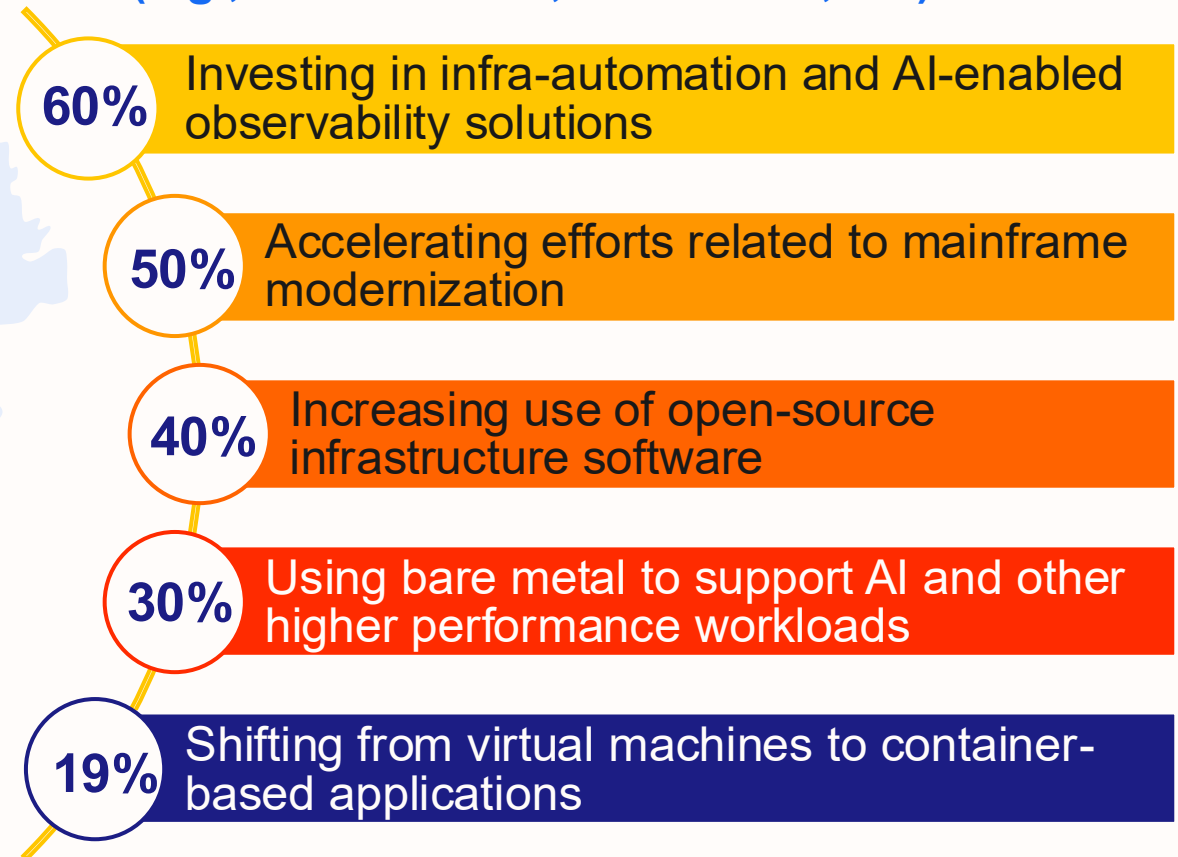
# Regardless of overall IT spending plans, in which areas do you expect to most significantly increase spending in 2026?

## Modernizing infrastructure in corporate datacenters

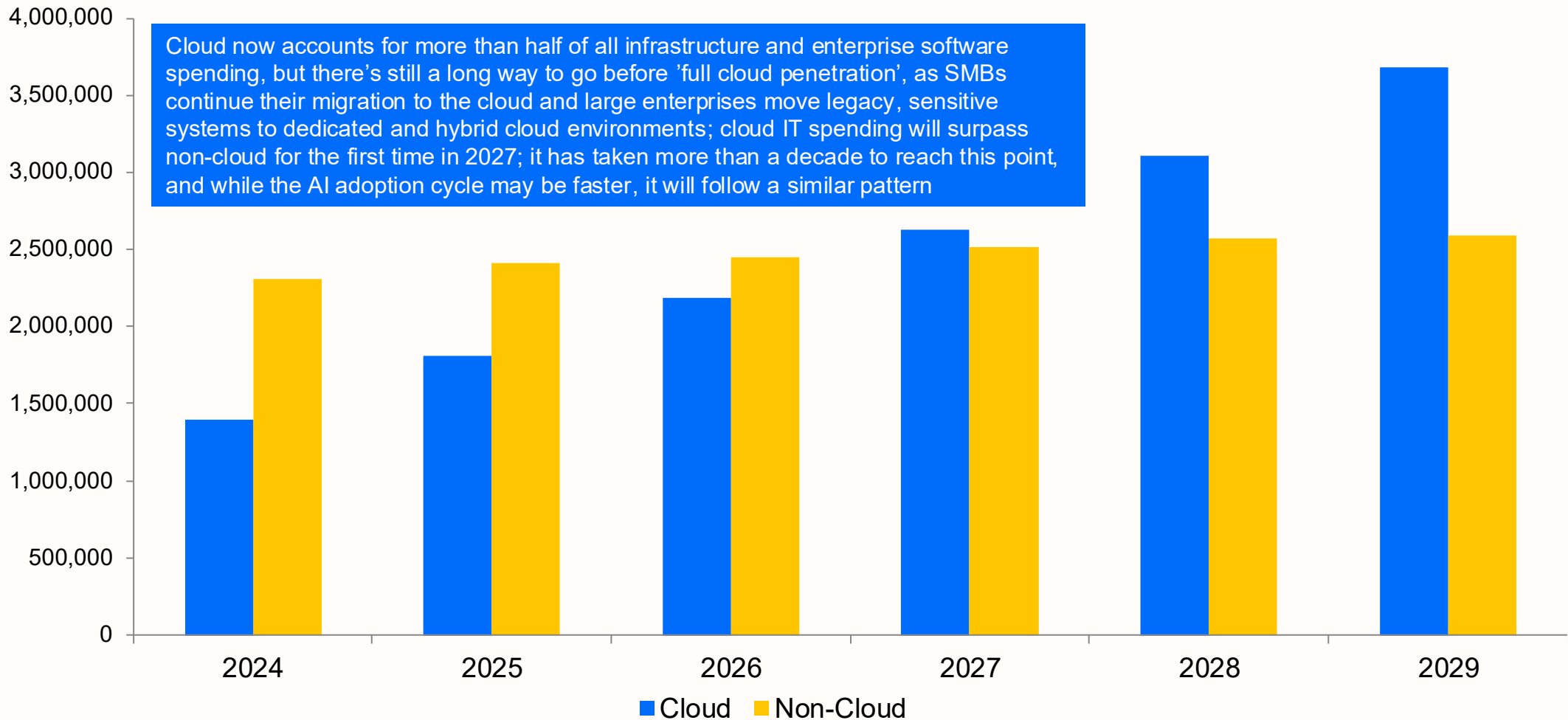


Future Enterprise Resiliency 9 Spending Survey Wave 9 IDC, December 2025, N=364

## Top priorities for modernizing infrastructure SW (e.g., virtualization, containers, OS) in 2026



# Cloud migration continues to accelerate but datacenters are not shrinking

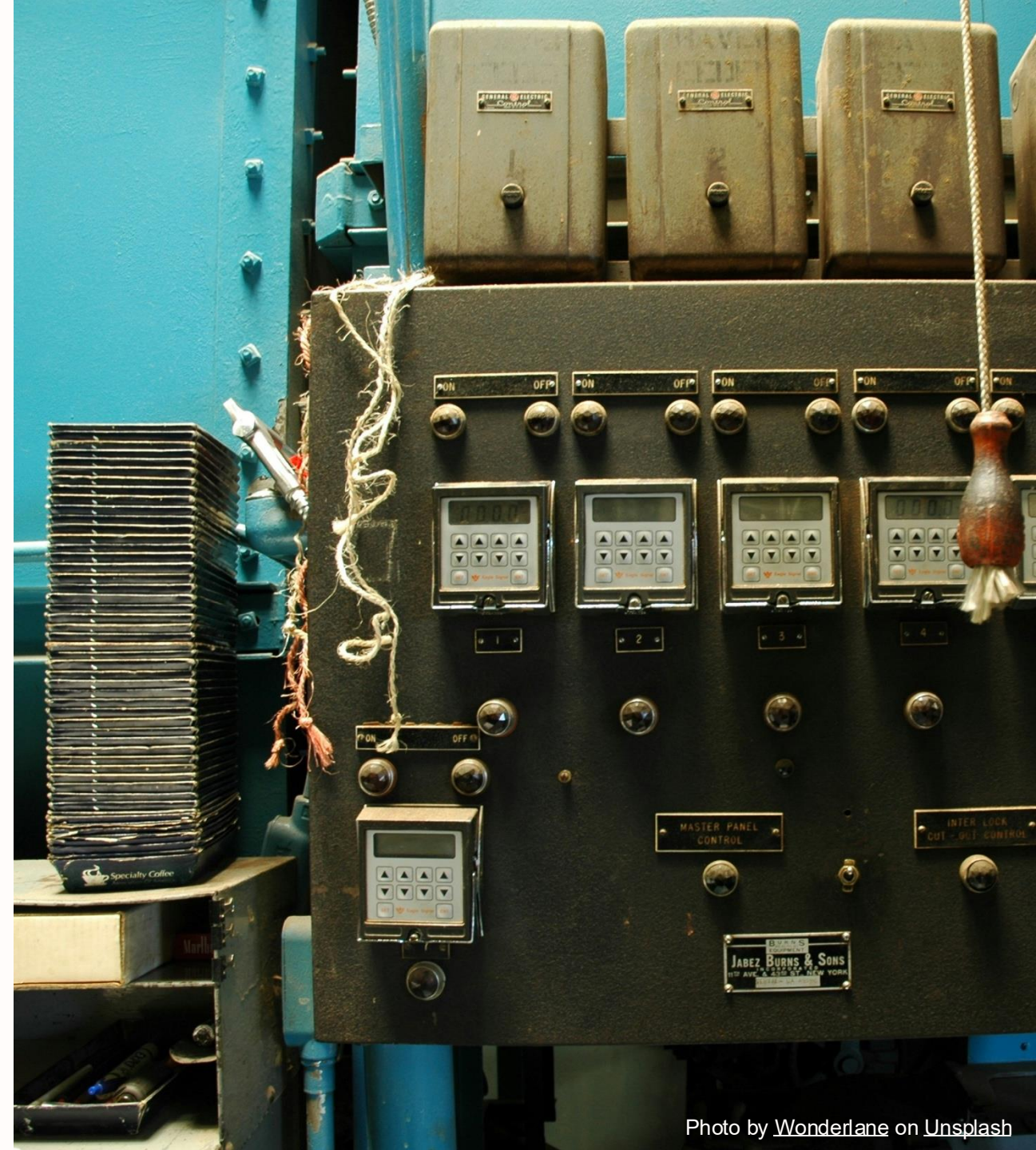


Source: Worldwide Black Book, December 2025 (growth in constant currency); Cloud includes all spending on public cloud services and software (IaaS, SaaS, PaaS); cloud infrastructure (public and dedicated cloud); and cloud-related IT services (public and dedicated cloud); non-cloud includes everything else

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# What is AI sovereignty?

**AI sovereignty is a dimension of an AI strategy** that describes the ability to have **free choice and control** over the design, development, deployment, accessibility, operation, maintenance and governance of AI systems and applications, and the technologies that those systems and applications depend on.



# AI sovereignty-related enterprise concerns are common — and should be taken seriously.

**86%**

of organizations want freedom to choose platforms other than public cloud for AI inference at scale.

**29%**

are concerned about data or IP loss due to improper AI implementation/use.

**58%**

plan to use open models to power generative AI (GenAI) use cases.

**27%**

cite AI investment decisions being impacted by regulatory uncertainty

## IDC Predicts:

By 2027, 75% of non-U.S. G2000 enterprises will prioritize pursuit of AI sovereignty, using a blend of non-public hosting, open technologies, and regional partners to support mission-critical AI uses.

Sources: IDC's AI Technology Trends Survey, June 2025; Future Enterprise Resiliency & Spending Survey Wave 7, Sept 2025; IDC EMEA AI-Ready Infrastructure Survey, June 2024; IDC FutureScape: Worldwide AI & Automation 2026 Predictions



# Hybrid infrastructure approaches bond together multiple deployment strategies

## Self-built and/or managed infrastructure



Deployed in traditional data center, co-lo or dedicated cloud infrastructure

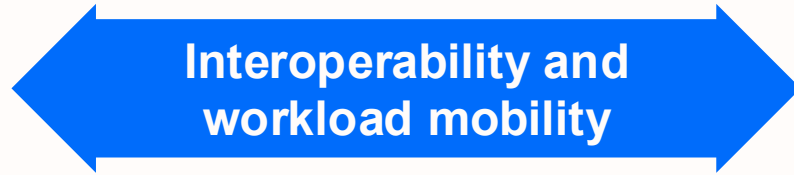
- Data confidentiality
- Private AI
- Customized analytic and dev stacks

## Infrastructure as a Service



Deployed as dedicated or public cloud infrastructure as a service

- Consumption-based pricing and support
- Standard APIs
- Built-in advanced analytics and dev services



Computing platforms and systems

Storage systems

Storage and computing Infrastructure software

Public and dedicated cloud IaaS (compute and storage)

PaaS

SaaS



and others



and others

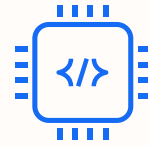


# Essential guidance



## Define Your Value Proposition

- Demonstrate where to find quick wins and the greatest ROI for AI
- Help isolate common requirements across use cases



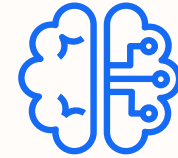
## Right-size infrastructure offering

- Optimize performance and scale for cost-effective AI and agent deployments
- Rebalance workloads across public cloud and datacenter



## Enable sovereignty and governance

- Help guide integrated strategy across units and functions
- Account for the multiple layers of sovereignty: data, operational, and technical



## Highlight your hybrid strengths

- Consistent operations from data center to edge to cloud
- Capex and opex options for both dedicated and shared resources





 IDC  
**DIRECTIONS**