

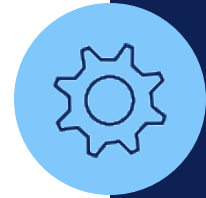
Navigating What's Next



Dell Technologies and SAP

 Dell Technologies

A new reality



End of maintenance

2027

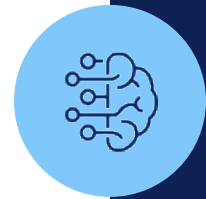
Support for innovational SAP® ERP requires a transition to S/4HANA®.



Budget challenges

29%

of SAP customers lack funding for IT implementations and upgrades.¹



GenAI adoption

73%

Compound annual growth rate of the GenAI market through 2027.²



84%

of SAP customers have no plans to use SAP RISE.³



Hybrid environments

73%

of enterprises follow a hybrid cloud strategy.⁴

¹ ASUG, [ASUG 2024 Pulse of the SAP Customer Research](#), 2024.

² Markets and Markets, [Artificial Intelligence Market Global Forecast to 2030](#), May 2024.

³ TechTarget, [Rise with SAP evolves, but struggles to make a case for some](#), May 2024.

⁴ Statista, [Hybrid cloud – statistics & facts](#), January 2024.

Top 5 concerns for SAP landscapes



SAP S/4HANA
transitions



SAP RISE
adoption



GenAI
integration



Business process
transformation



Budget and funding
rationalization

SAP S/4HANA transition

S/4HANA is coming. Are you ready?

How and when will you transform to SAP S/4HANA?

“How does the new architecture with all the cloud products work?”

“Management expects a business case and strategy paper.”

“SaaS? Or on-premises? Or on public cloud?”

“Greenfield? Brownfield? Something else?”

“How do we get this done by 2027?”

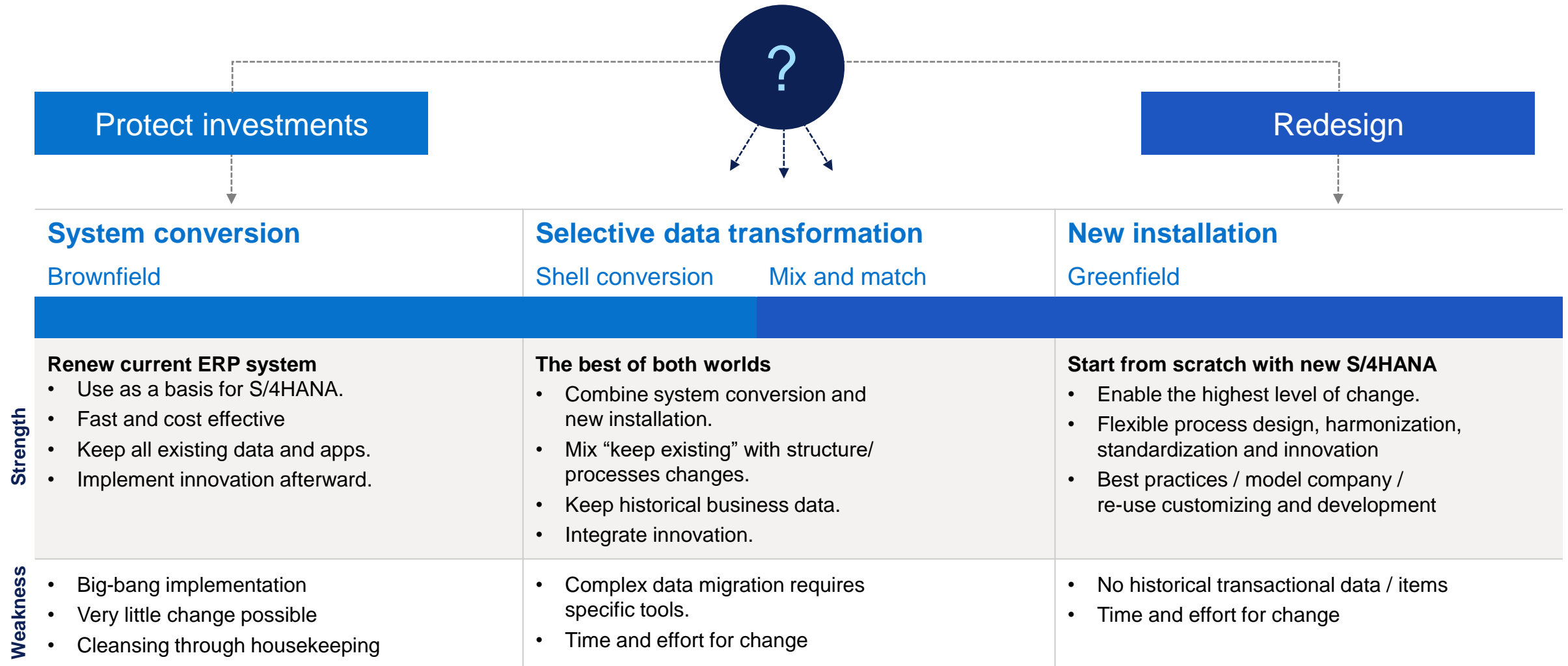
SAP S/4HANA implementation plans

12% have no plans or have put plans on hold.¹

¹ ASUG, ASUG 2024 Pulse of the SAP Customer Research, 2024.

SAP S/4HANA transition scenarios

Different scenarios focus on specific requirements

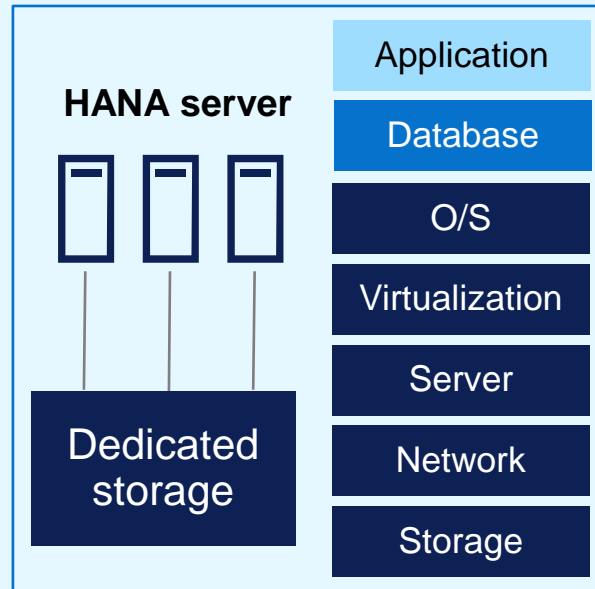


On-premises SAP HANA deployed through an appliance or tailored data center integration (TDI)

Appliance model

“All in one box”

- Fast implementation
- Standard and highly optimized
- Preconfigured hardware set-up
- Preinstalled software package
- Fully supported by SAP

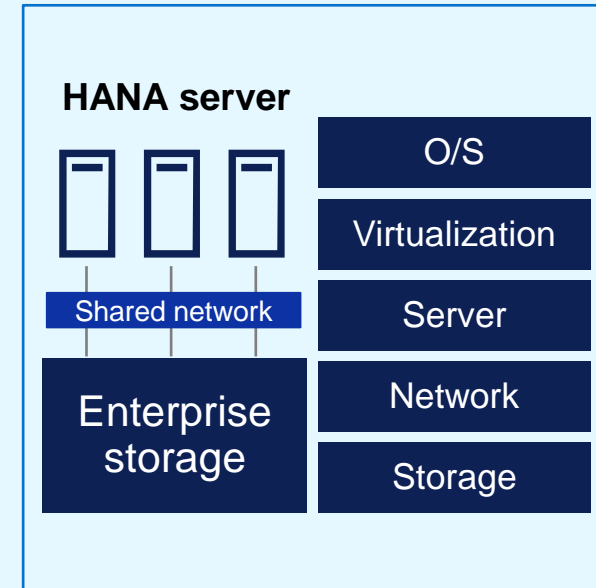


SAP HANA on
dedicated infrastructure

TDI model

Use your own preferred hardware

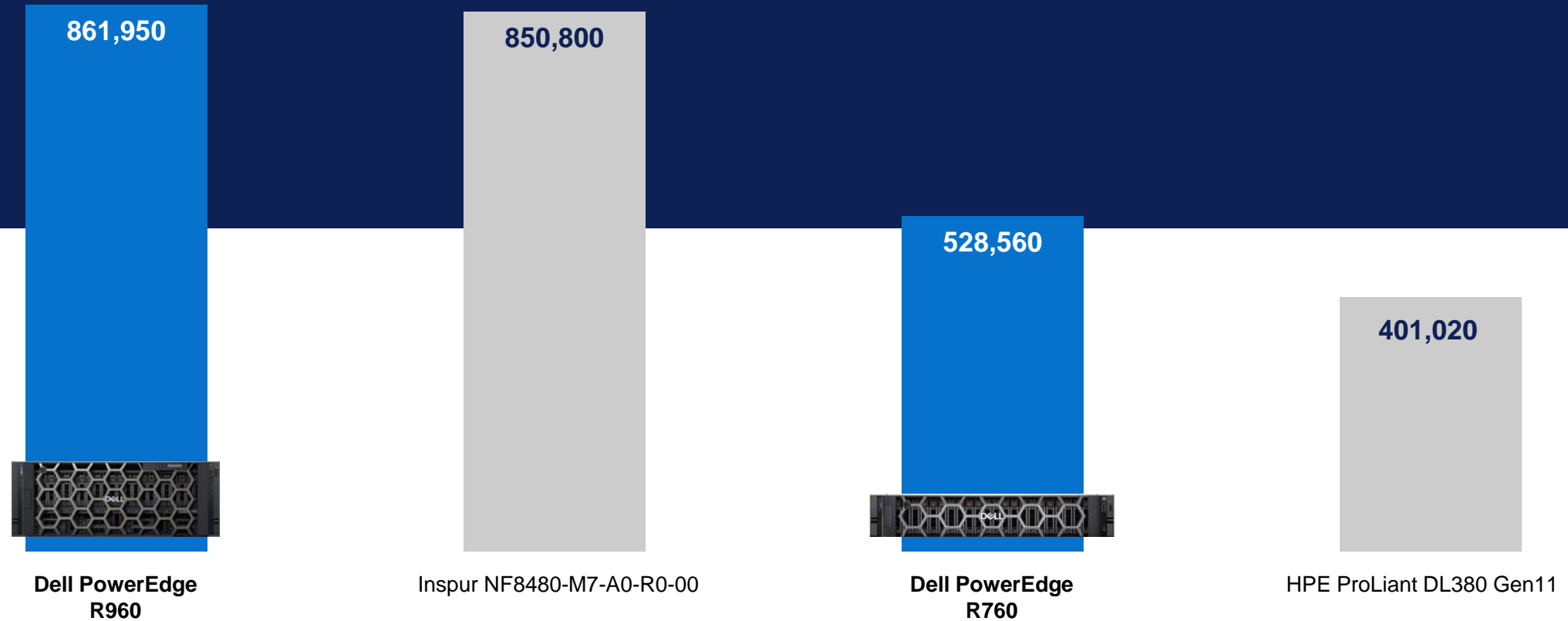
- More flexibility
- Reuses existing hardware components and operation processes
- Saves IT budget and existing investment
- Customer aligns with the hardware partner on individual support model.



SAP HANA on
shared infrastructure

Dell PowerEdge world record performance

2-tier results for SAP Sales and Distribution (SD) benchmark for SAP ASE 16



Based on [Certification Number 2023077](#) from December 2023 and [Certification Number 2023058](#) from September 2023. Source: <https://www.sap.com/dmc/exp/2018-benchmark-directory/#/sd>.

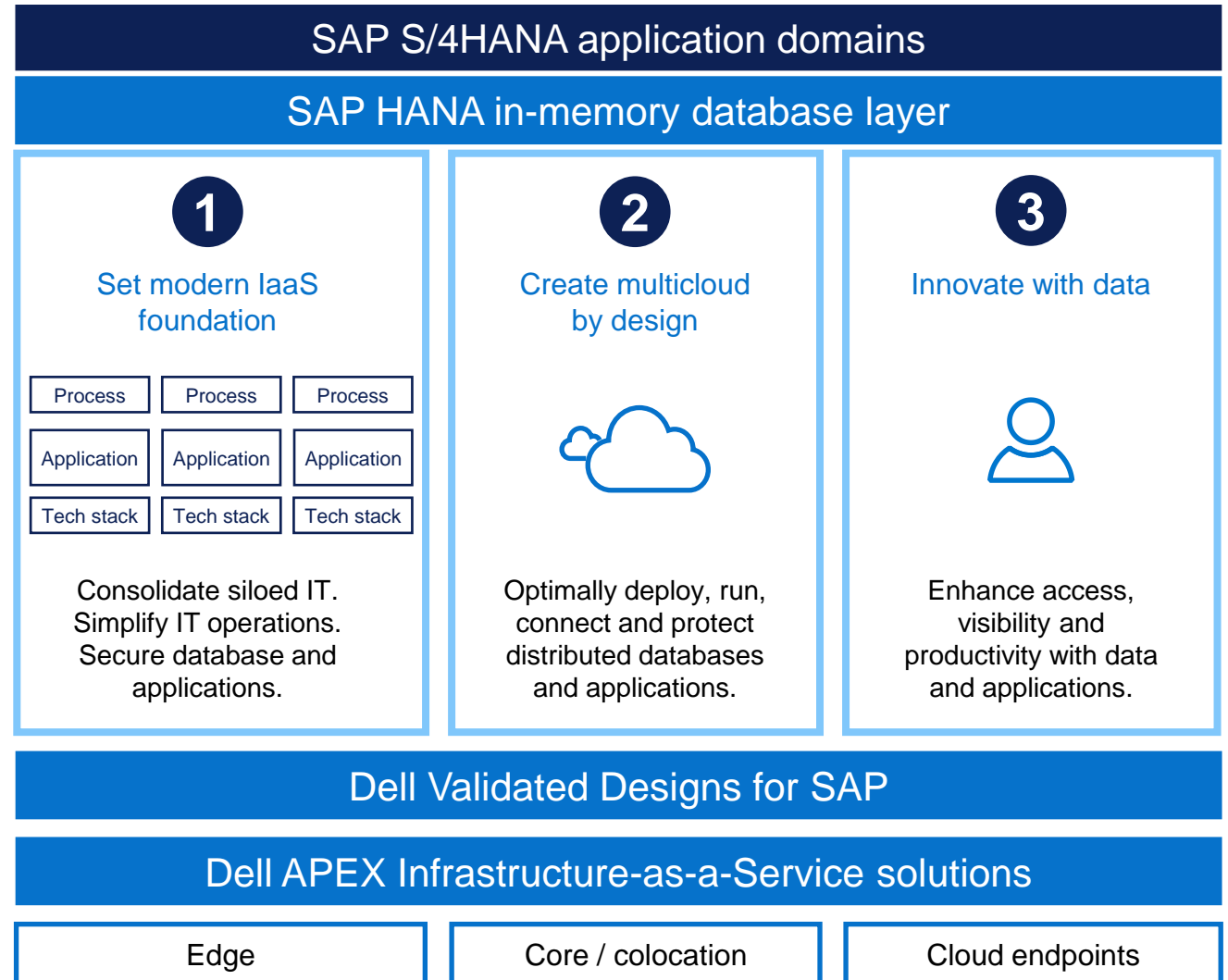
Why partner with Dell Technologies?

Dell meets you where you are on your SAP journey

Dell Technologies provides a choice of best-in-class paths and solutions to SAP S/4HANA.

Take the guesswork out of SAP HANA® in-memory databases and SAP S/4HANA applications running on our broad portfolio of Dell APEX solutions and Dell Validated Designs for SAP.

1. Set modern IaaS foundation.
2. Create multicloud by design.
3. Unlock the value of data.



SAP RISE adoption

Challenges adopting SAP as-a-Service models



Time and cost of migrating to public cloud



Complexity and **security** concerns



Poor **performance** paired with **access and egress fees**

Time and costs | Complexity | Security | Compliance | Latency | Fees

Only

6%

of SAP customers run or plan to run SAP S/4HANA on public cloud.¹

56%

Private or managed cloud¹

21%

On-premises bare metal or virtualized¹

¹ ASUG Insights, [ASUG Members Embrace the Future in 2024 Pulse of the SAP Customer Research Results](#), March 2024.

SAP RISE deployment preference is on-premises¹

84% of SAP customers have no plans to use SAP RISE, citing:

- A questionable cost-benefit ratio
- Increased testing efforts
- Limited expansion options
- High dependence on SAP with a lack of exit options

“

Many of the companies surveyed want to stay on-premises with their SAP ERP systems...they did not see any advantages of migrating to the cloud.

”

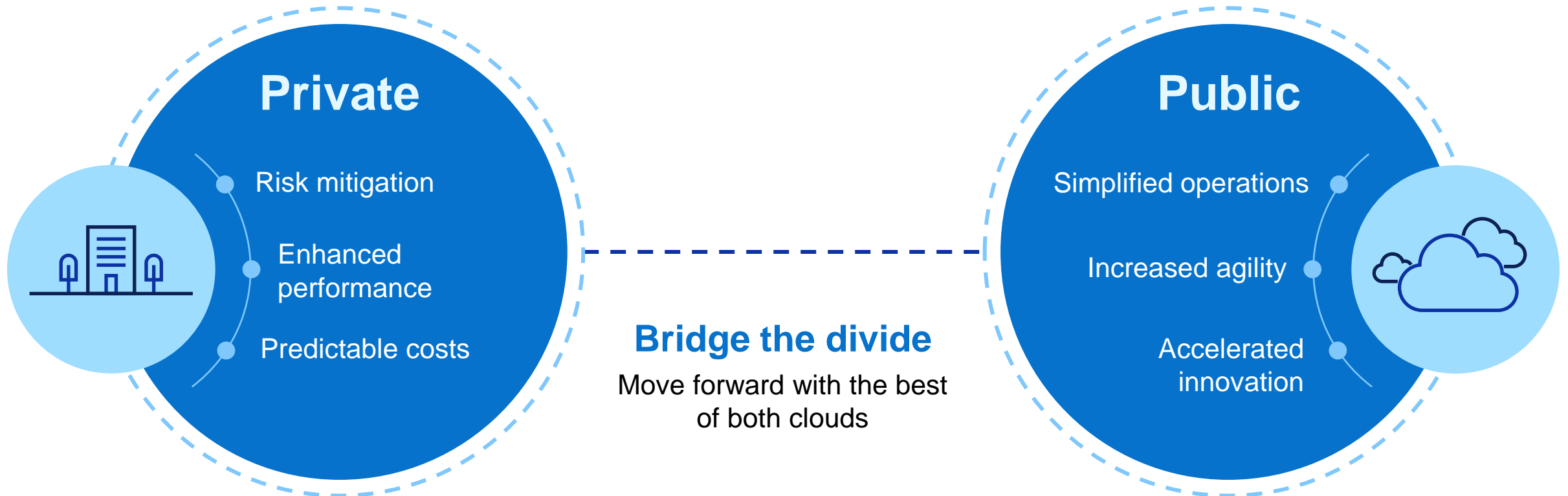
¹ Tech Target, [Rise with SAP evolves, but struggles to make a case for some](#), May 2024.

Multicloud is the path to digital transformation

Have the flexibility to choose the right path to best meet your objectives

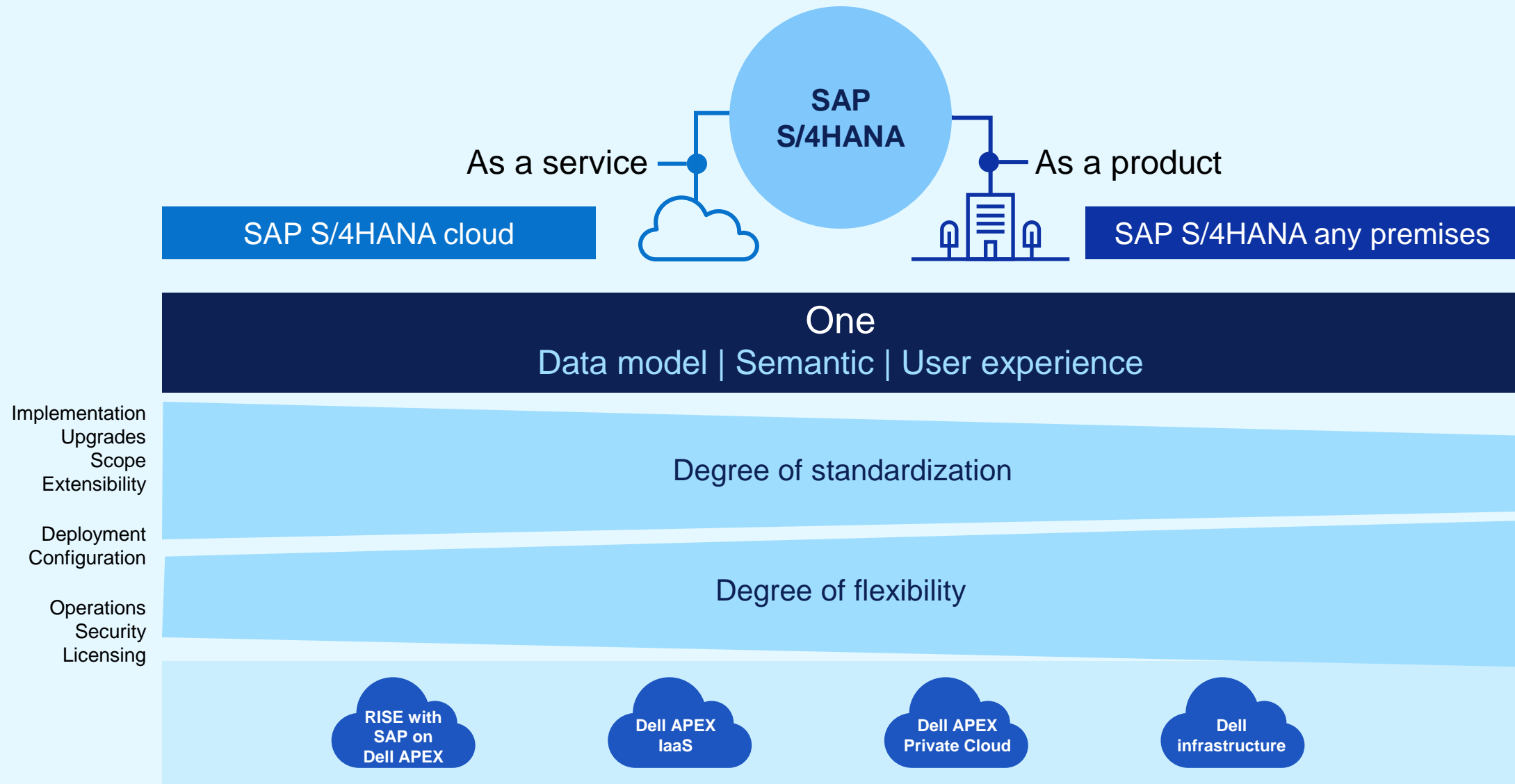
76% of cloud strategies include private cloud.¹

97% of organizations leverage public cloud services.¹



¹ Flexera, [State of the Cloud Report](#), 2024

There isn't one journey; there isn't one path to follow



Deploy a pay-per-use consumption or an enterprise-scale managed utility

Dell APEX IaaS

Dell pay-per-use technology

For organizations that want maximum agility and control and extensibility to the entire breadth and depth of Dell APEX portfolio

SAP on Dell APEX

Organization's
point of departure



Your data center

Colocation

At the edge

In the cloud

RISE on Dell APEX

SAP end-to-end services

For organizations that want to simplify management, retain existing SAP investments and leverage SAP Business Technology Platform

Dell APEX is your path to as-a-Service with SAP



Simplicity

Take advantage of technology that's operated by you, managed for you.



Agility

Align technology with business needs; rapidly scale with greater flexibility.



Control

Minimize risk and maximize resources. Run your business on your terms.

Dell APEX is our enduring commitment to deliver any workload as-a-Service, wherever it is needed

Backed by global services, scale and supply chain leadership

Driven to deliver unmatched time to value all around the world

Built on the broadest and most innovative infrastructure portfolio

RISE with SAP fully managed service on Dell APEX

Reach the cloud without compromise — run in the cloud while staying within your own data center

SAP S/4HANA Cloud, Private Edition, Customer Data Center option with Dell APEX

- Subscription-based, agile cloud experience
- Fully managed, turnkey service through SAP
- Infrastructure supplied, installed and managed via Dell APEX
- Customer location of choice — data center, edge, colocation environment
- All industry ready — supporting 25 industries



Use SAP on Dell APEX in colocation facilities

Dell APEX manages your IT infrastructure and services at a colocation facility of your choice

- Establish cloud adjacency.
- Create a presence at the edge.
- Reduce demand on IT resources.
- Strengthen cyber-resiliency.
- Facilitate rapid organizational growth.
- Leverage cross connections to third parties.



E Q U I N I X

Choice, agility and scale

230+

Data centers

65

Metros

27

Countries

>99.9999%

Uptime record

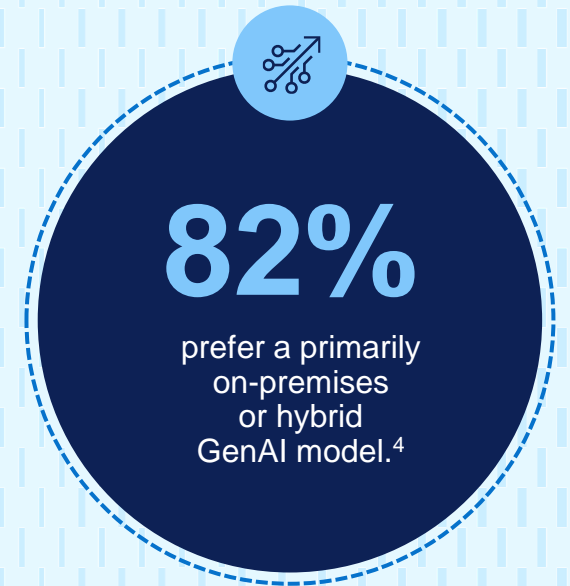
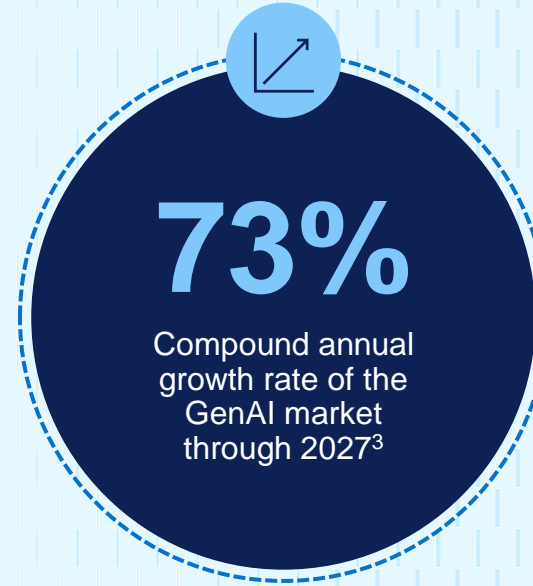
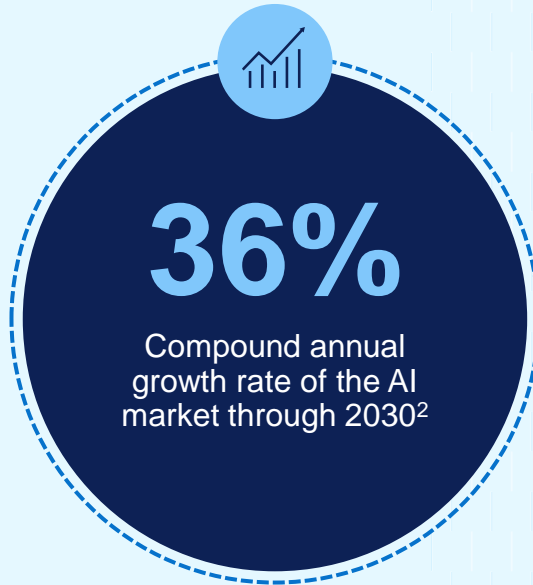
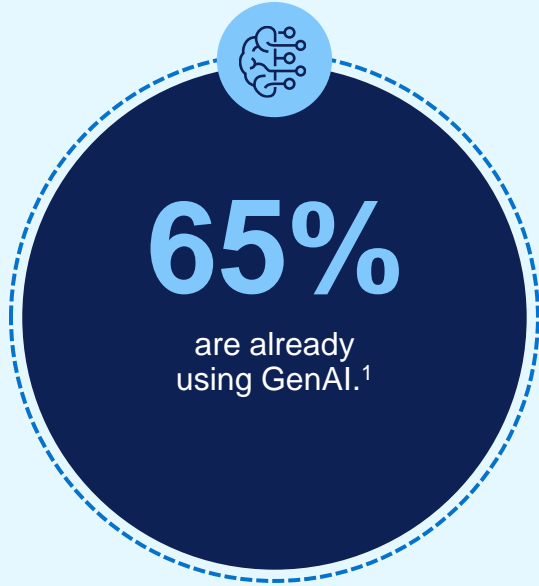
400,000+

Interconnections

GenAI integration

Responding quickly to the opportunity is critical

The excitement for consumer-grade AI and GenAI is unprecedented



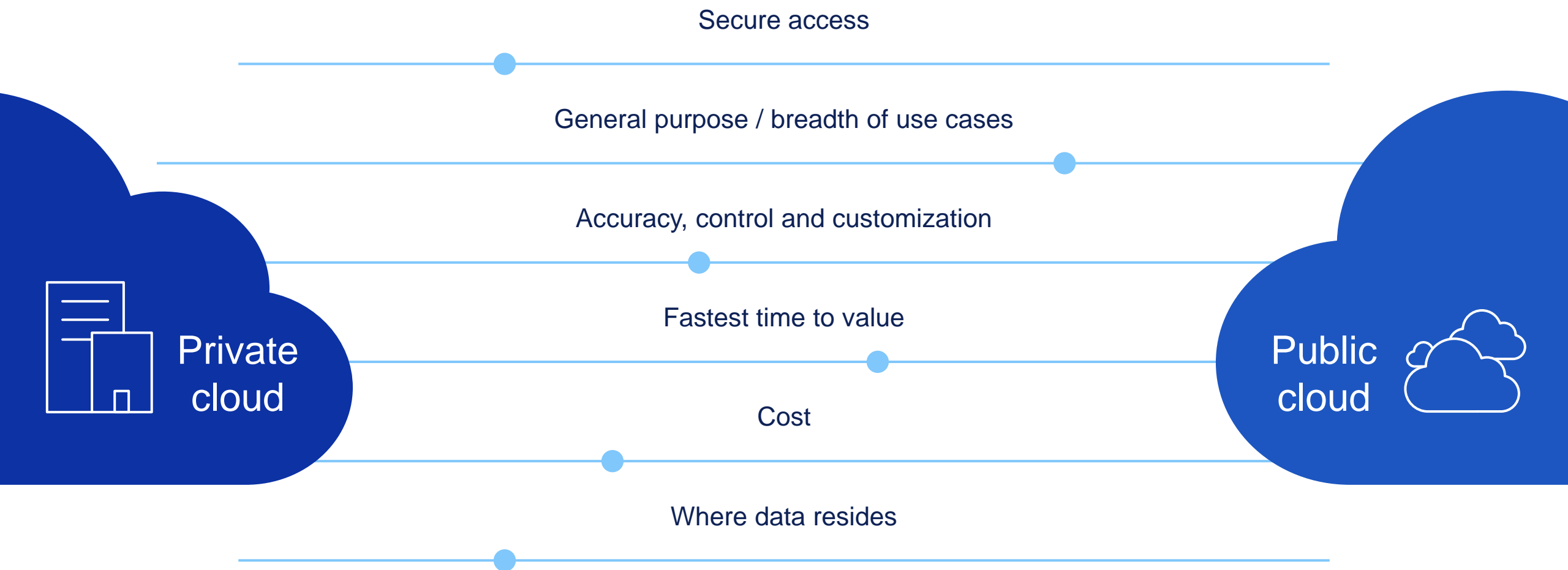
¹ QuantumBlack by McKinsey, [The state of AI in early 2024: GenAI adoption spikes and starts to generate value](#), May 2024.

² Markets and Markets, [Artificial Intelligence Market Global Forecast to 2030](#), May 2024.

³ IDC, [IDC Forecasts Spending on GenAI Solutions Will Reach \\$143 Billion in 2027 with a Five-Year Compound Annual Growth Rate of 73.3%](#), October 2023.

⁴ Dell Technologies, [Generative AI Pulse Survey](#), August and September 2023, (N=500).

Considerations for AI and GenAI placement



The SAP approach to AI

Only RISE with SAP customers can access SAP Business Technology Platform (BTP) GenAI capabilities.



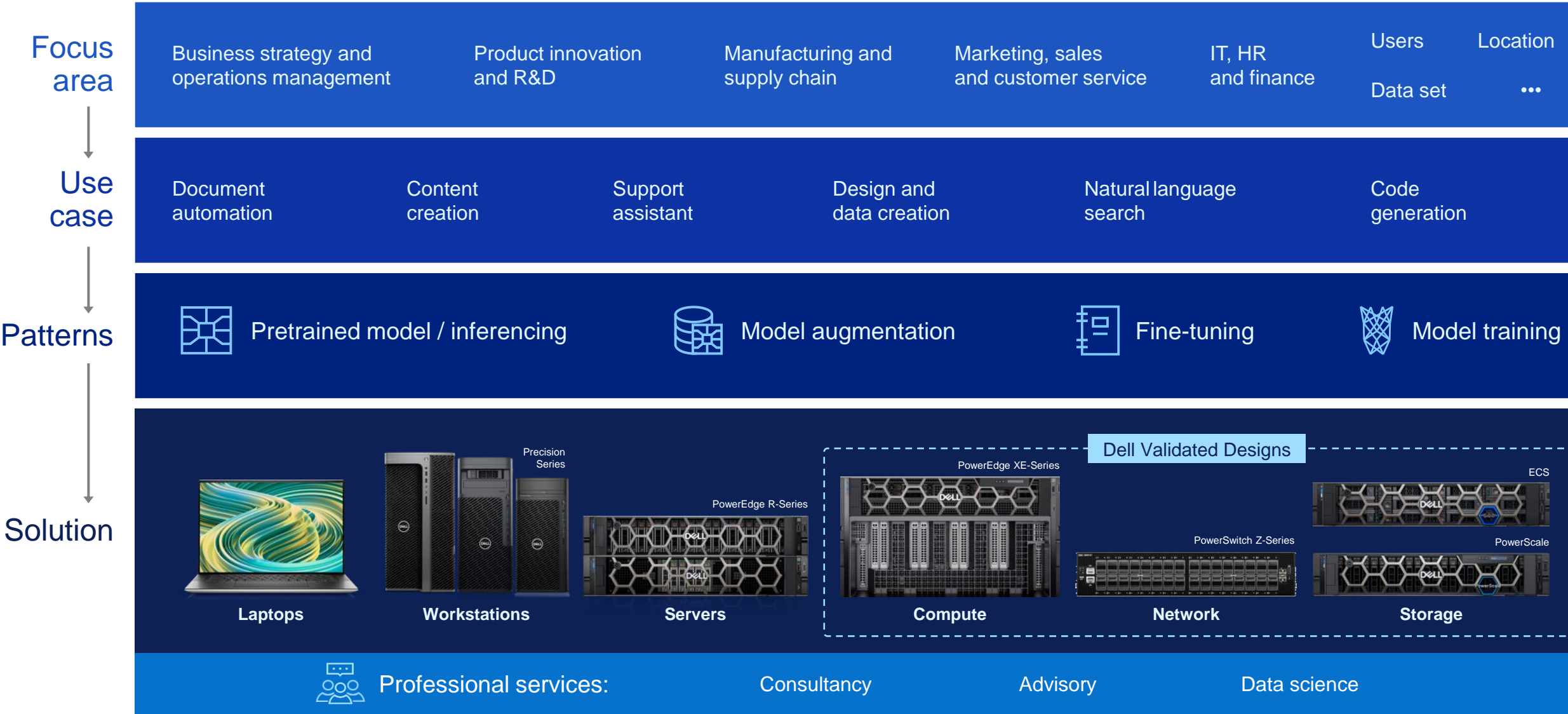
SAP GenAI technology is deeply integrated with SAP S/4HANA

- SAP BTP is at the heart of GenAI transformation.
- It gives customers access to GenAI capabilities within SAP S/4HANA.
- It helps customers easily develop, extend and integrate GenAI applications.

However, not all customers will benefit

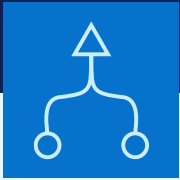
- SAP BTP GenAI innovations are only available to RISE with SAP subscribers.
- There is limited transparency into what the benefits and costs will be.
- Older SAP ERP versions and on-premises and hosted SAP S/4HANA environments **are not included**.

Dell Technologies: Delivering GenAI innovation end to end



Framework for AI success

Standardize delivery of SAP AI scenarios with the Dell AI Factory



Simplified

Simplify and scale AI deployments and operations to production, with workflow automation for fast time to value.



Tailored

Transform your data into insights that scale across your organization, with leading capabilities aligned to your objectives.



Trusted

Deploy AI on secure foundations, from data to infrastructure to operations. Implement secure data workflow from source to outcome, ensuring data privacy, governance and control.

Turbocharge AI adoption | Boost productivity

Dell NativeEdge accelerates AI at the edge

NativeEdge automates the delivery of NVIDIA AI frameworks to edge devices



Optimized inferencing:
NVIDIA NIM



Video analytics:
NVIDIA Metropolis



Speech and translation:
NVIDIA Riva

| **Simplify and standardize AI at the edge.**

| **Faster, easier development** of AI inferencing solutions

| **Zero Trust, zero-touch deployment** of edge AI apps to endpoints

| Ease of edge AI solution **lifecycle management** with NVIDIA GPU Cloud (NGC) for NVIDIA AI Enterprise solutions on NativeEdge

Support for
NVIDIA AI Enterprise



Zero-touch
deployment

Zero Trust
security built-in

Business process transformation

What's driving business process transformation?

Modernization

Top 3

CEOs named modernization as a top three priority—and a top 3 challenge.¹

Security

74%

of CEOs are concerned about their ability to avert or minimize cyberattack damage.²

Sustainability

160%

increase in energy demands from AI predicted by 2026.³

¹ IBM, [6 hard truths CEOs must face](#), 2024.

² Cisco, [2024 Cisco Cybersecurity Readiness Index](#), 2024.

³ Goldman Sachs, [AI is poised to drive 160% increase in data center power demand](#), May 2024.

Modernize SAP landscapes with Dell edge-to-core-to-cloud solutions for SAP

Set an IT framework to
orchestrate data management.

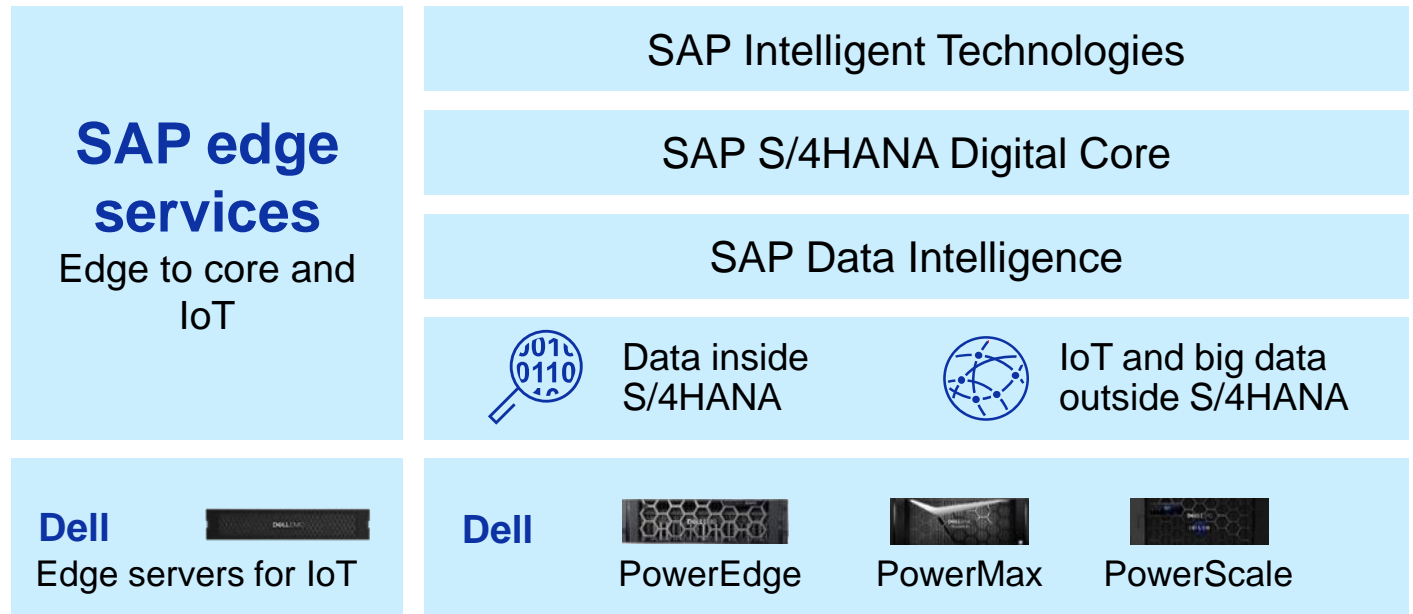
Become data-driven from edge
to core to cloud.

Leverage AI / ML / blockchain.

Work with varying data types
from different sources.

Dell Technologies advantages

- SAP-certified RISE Private Edition, CDC Partner
- SAP-certified Dell Edge Gateways for IoT
- SAP-certified infrastructure end to end
- Data management platform AI-ready



Security: Increase business resilience

Dell Technologies cybersecurity approach for SAP

What we deliver



Sustainability via Dell infrastructure efficiency

“We're hyper-focused on AI innovation in our AI Proving Ground, and the all-flash PowerScale F910 has exceeded our expectations. It doubles performance, reducing the power and energy costs required for the same workload, further advancing our customers' sustainability goals.”

— John Lochausen, Technical Solutions Architect, WWT

Up to 10X greater performance per watt¹ for better power efficiency

#1 most energy-efficient servers: Dell PowerEdge³

¹ With Dell PowerEdge servers using direct-to-chip and rack-level liquid cooling. Based on performance per watt gains of 1.46X to 10.6X with built-in accelerators on a range of AI, database and networking workloads. See A19-A25, D1, D2, D5, N16 at [intel.com/processor/claims](https://www.intel.com/processor/claims): 5th Gen Intel Xeon Scalable processors. Results may vary.
² Based on Dell analysis of public information on data reduction guarantees. April 2024. See terms and conditions for details at [dr-guarantee-to-powerscale.pdf \(delltechnologies.com\)](https://www.dell.com/flash-data-reduction-guarantee). Actual data reduction rates will vary.

Lower capacity overhead, with 80% or higher usable capacity

More e-waste efficient cluster with non-disruptive node decommissioning

World's most efficient scale-out NAS: Dell PowerStore²

5:1 data reduction, the world's best scale-out NAS data reduction guarantee⁴

³ PowerEdge has more EPEAT registered platforms than the competition. Based on Dell analysis of EPEAT registered servers, February 2024. EPEAT registered where applicable. EPEAT registration varies by location. See www.epeat.net for registration status by location.
⁴ Based on Dell analysis comparing primary storage data reduction guarantees vs Dell Storage Data Reduction program, May 2024. For PowerStore, applies to new arrays initially installed with PowerStoreOS 4.0. For details, see [All-Flash Data Reduction Guarantee](https://www.dell.com/flash-data-reduction-guarantee) Terms and Conditions. Actual data reduction rates will vary.

More hardware-efficient starter implementations, with 3-node 12-drive minimum clusters

ENERGY STAR® certifications

Budget and funding rationalization



SAP budget challenges

35%

of SAP users say budget constraints block technology implementations and upgrades.¹

29%

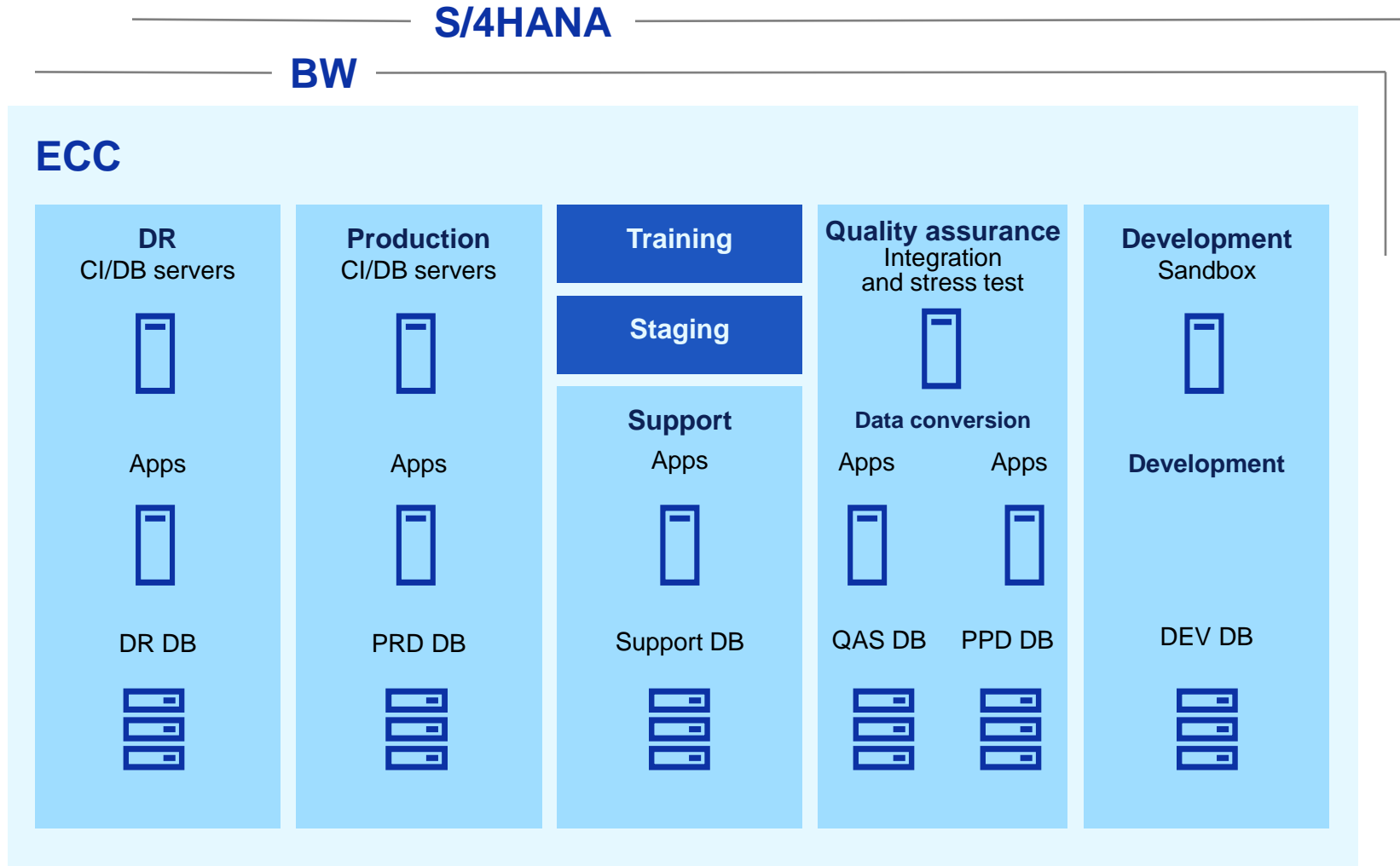
lack funding for SAP projects/ initiatives.¹

16%

say market/economic factors are causing budget challenges.¹

¹ ASUG, [ASUG 2024 Pulse of the SAP Customer Research](#), 2024.

Sprawling SAP landscapes increase costs and complexity



Multiple landscapes for each application.



Most customers still run **dedicated physical stacks**.

3+ days

Moving projects between environments requires copies that can take **several days**.

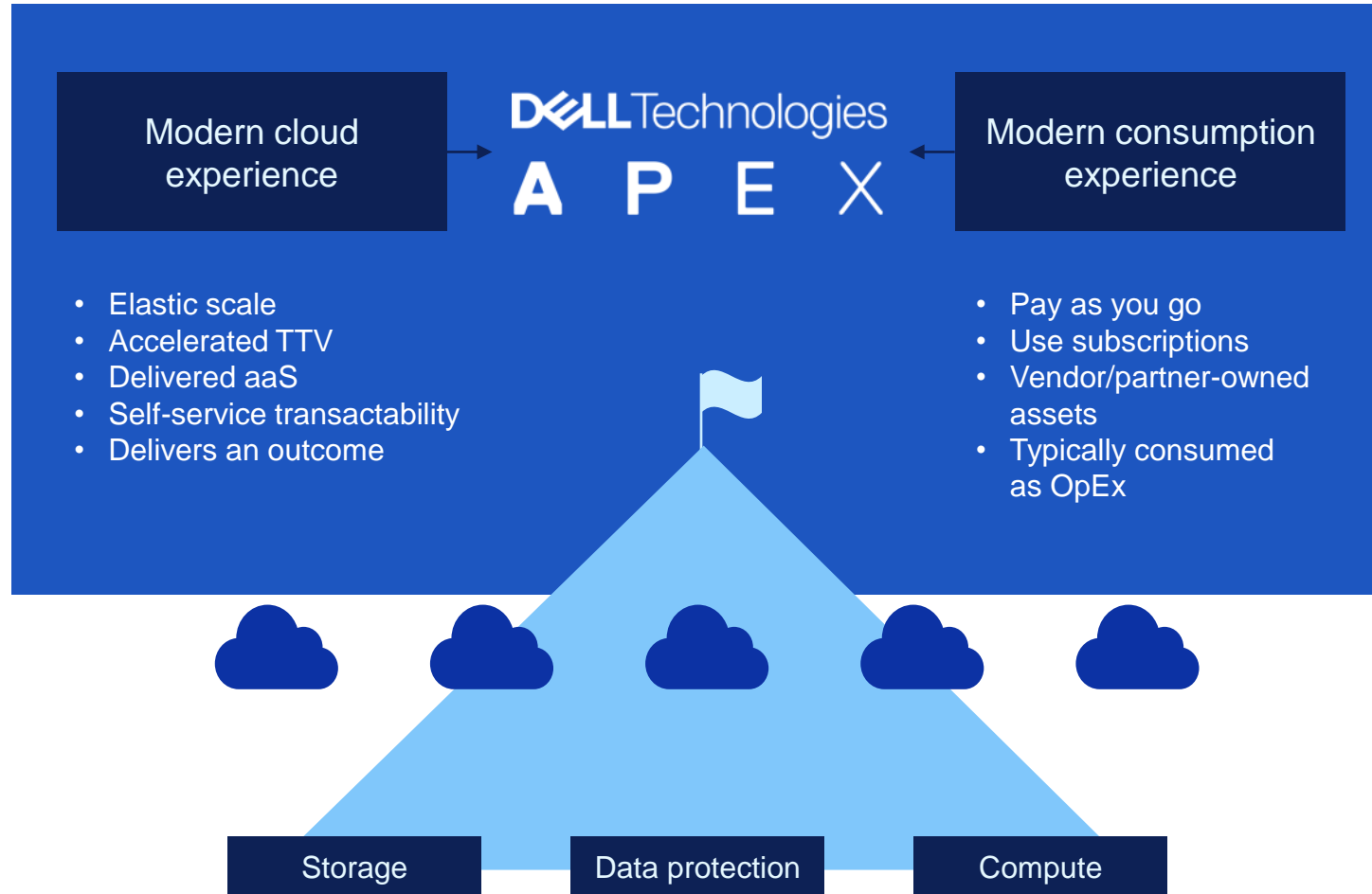


Data sets must be **regularly backed up**.

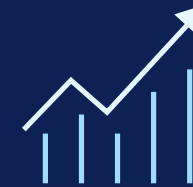
SAP landscapes are complicated.

A cloud experience

As you build and manage your environments



Take advantage of best-of-breed
Dell innovation across clouds.



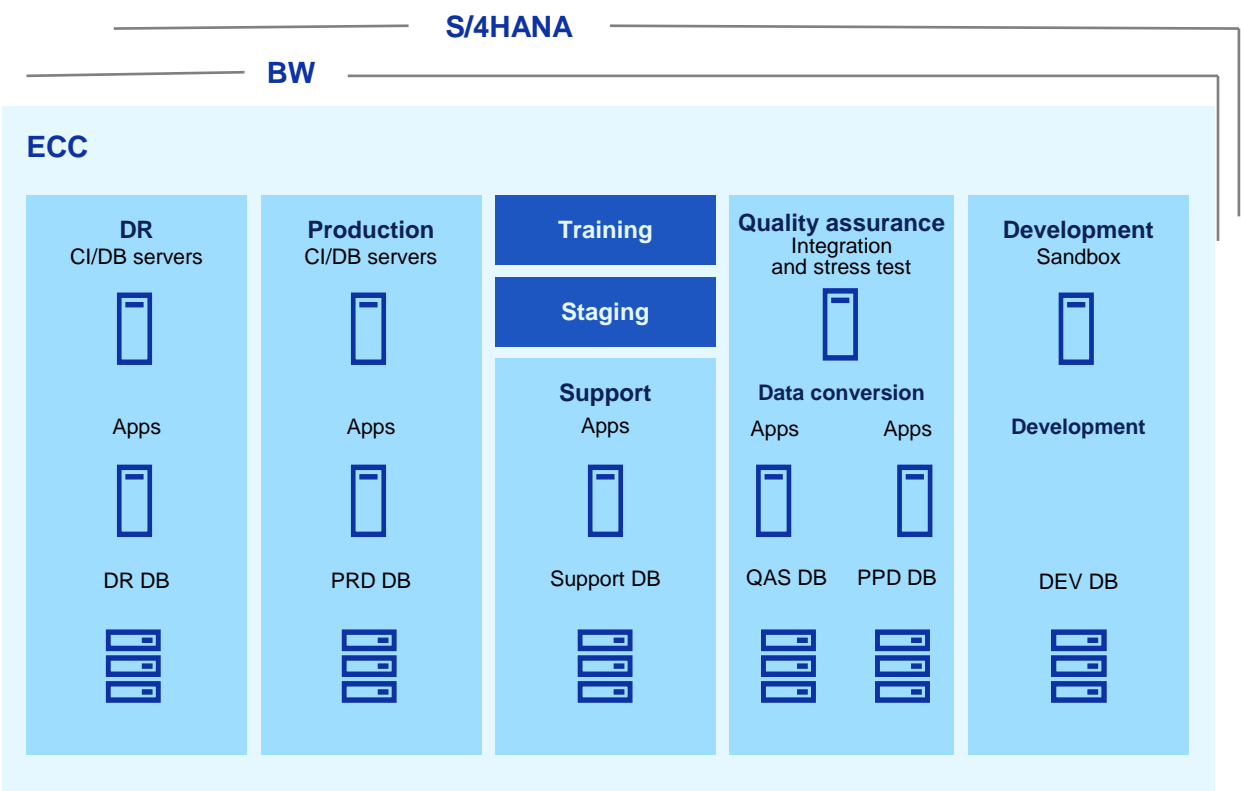
Modernize your enterprise to secure
and maximize your cloud experience.



Consume technology in new ways
to cut unwanted cost and complexity.

Unique SAP benefits

Day 2 operations



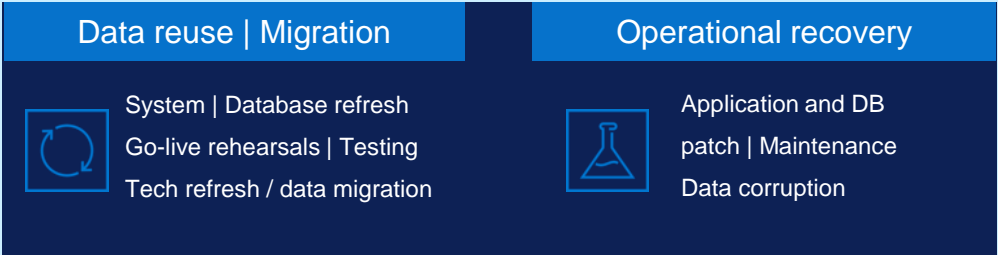
Lower TCO ↓

↑ Increase SAP admin and productivity

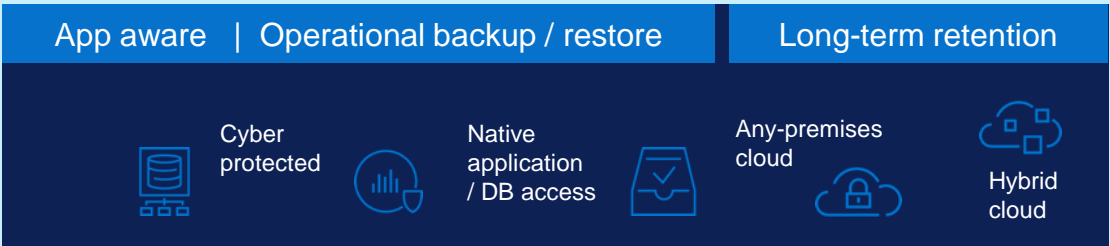
↑ Faster time to value Migrations | Upgrades

Dell SAP IT solutions

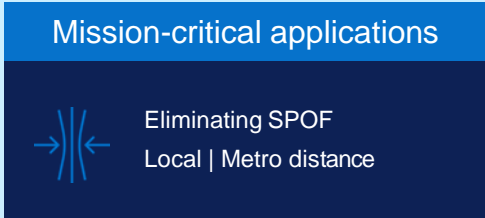
Application lifecycle management



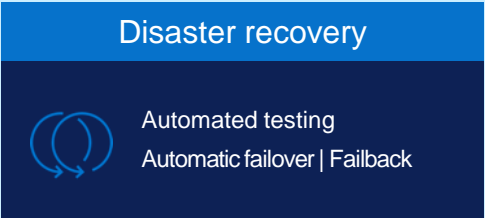
Data protection | Availability | Long-term retention



Availability



Remote protection



Dell Technologies
delivers simplicity
and standardization
that lead to
cost savings

Address budget and
funding challenges with

DELLTechnologies
A P E X

39%

lower three-year
cost of operations¹

38%

more efficient IT
infrastructure teams¹

54%

more efficient help desk¹

39%

lower infrastructure costs¹

34%

reduction in buffer
capacity required¹

33%

faster to prepare IT for
business extensions¹

12%

faster development lifecycles¹

\$7.66 million

in higher revenue per year
per organization¹

45.9%

lower costs compared to AWS²

9.8%

better performance compared
to AWS²

¹ IDC Business Value white paper, sponsored by IDC, [The Business Value of Dell Technologies APEX Multicloud and As-a-Service Solutions](#), August 2023.

² Dell APEX Private Cloud and Dell APEX Data Storage Services Block solution vs. 16x 1TB volumes of Amazon EBS io2 Storage with a provisioned IOPS rate of 22,000 each when configured with similar quality-of-service (QoS) settings. Source: Principled Technologies Infographic, A solution with Dell APEX Private Cloud and Dell APEX Data Storage Services Block delivered stronger Oracle Database performance at a lower cost than Amazon EBS io2 storage, 2023.

In conclusion...

Dell Technologies supports your journey to the SAP intelligent enterprise, your way



RISE with SAP
on Dell APEX



Dell APEX
IaaS



Dell APEX
Private Cloud



Dell
infrastructure

Performance and scale of SAP-certified Dell infrastructure brings the cloud experience to any premises.

Storage

Servers

Data protection

Networking

Converged and HCI

We help you thrive in the new normal

Transition to **SAP S/4HANA**

Dell Validated Designs for SAP and Dell APEX

Adoption of **SAP RISE**

Dell APEX

Integration of **GenAI**

Dell AI Factory

Business process **transformation**

Modernize IT, protect data and advance sustainability with Dell.

Budget and funding challenges

Dell gives you simplicity, standardization and choice.

Choose Dell Technologies solutions for SAP

Leading market positions and a differentiated strategy, supported by durable competitive advantages

#1 team

#1 enterprise infrastructure vendor¹
and world's largest supplier of
enterprise application software

25+

years of partnership of
innovation between
Dell Technologies and SAP

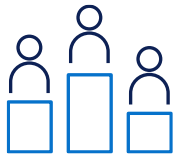
15K+

joint customers globally

60+

joint engineering and
certification projects

Strategy supported by durable competitive advantages



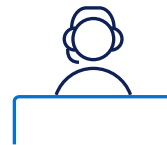
**#1 positions in
CSG and ISG**



**E2E product
and multicloud
offerings**



**Largest GTM
and channel
ecosystem**



**Leading global
services footprint**



**Industry-leading
scale and
supply chain**



**Leading
financial services
capabilities**



**First and best
VMware® alliance**

¹ Q3FY22 earnings call.

Next steps



Explore

Deep dive on some of today's topics and solutions.

- [Executive Briefing Program](#)
- [SAP InfoHub](#)



Plan

Create a roadmap from your current to future state of IT.

- sap.assist@dell.com
- sapsales@dell.com



Learn

Bridge your skills gap with certified training.

- [Education Services](#)



Accelerate

Accelerate your journey with best practices from Dell IT innovation practitioners.

- [Dell Technologies Professional Services](#)



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