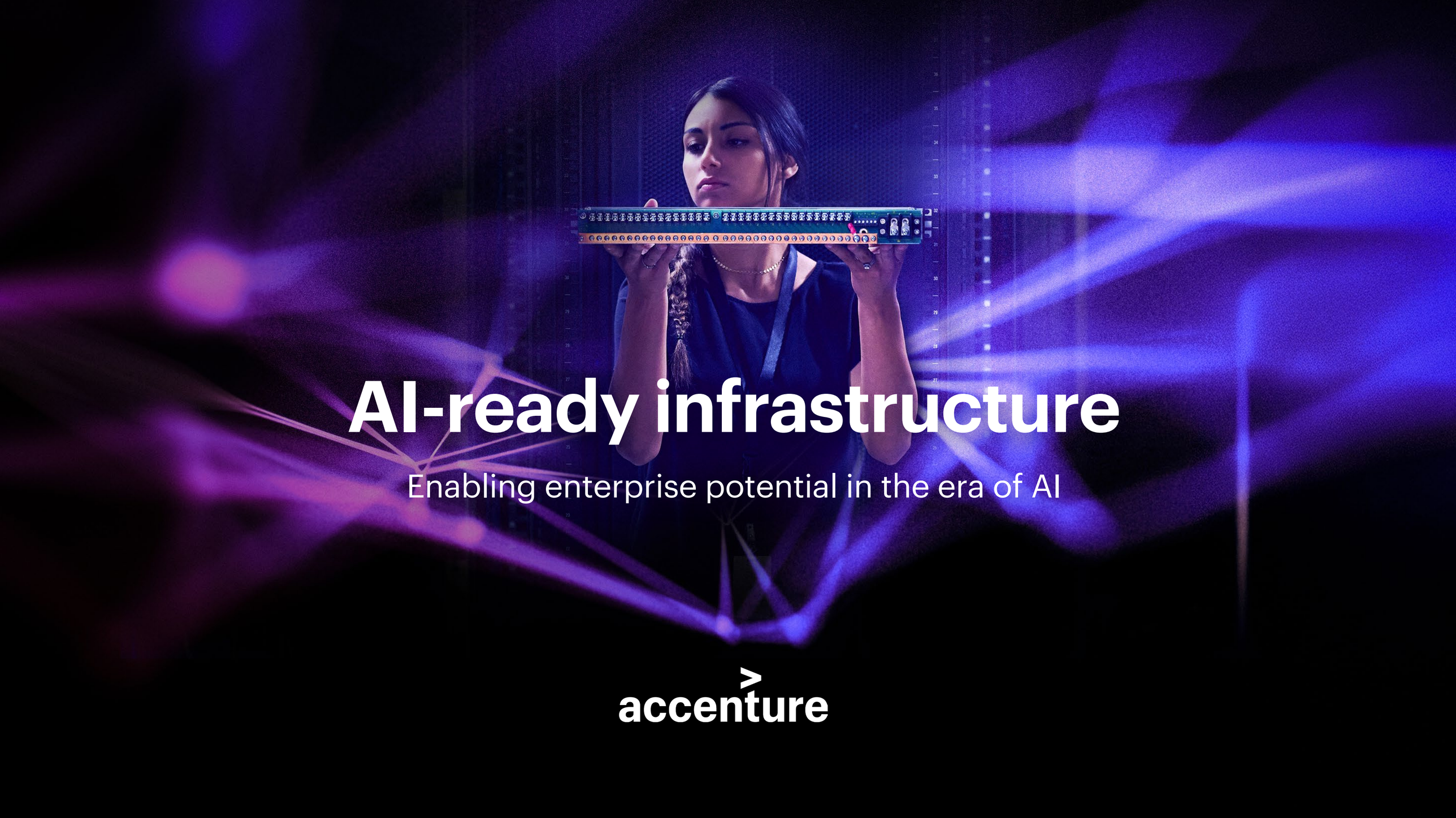


AI-ready infrastructure

Enabling enterprise potential in the era of AI

accenture

Contents

CIOs today have a lot weighing on their minds

You've probably heard Satya Nadella, Microsoft's CEO, suggest that AI agents could disrupt traditional SaaS models by automating business logic and decision-making.

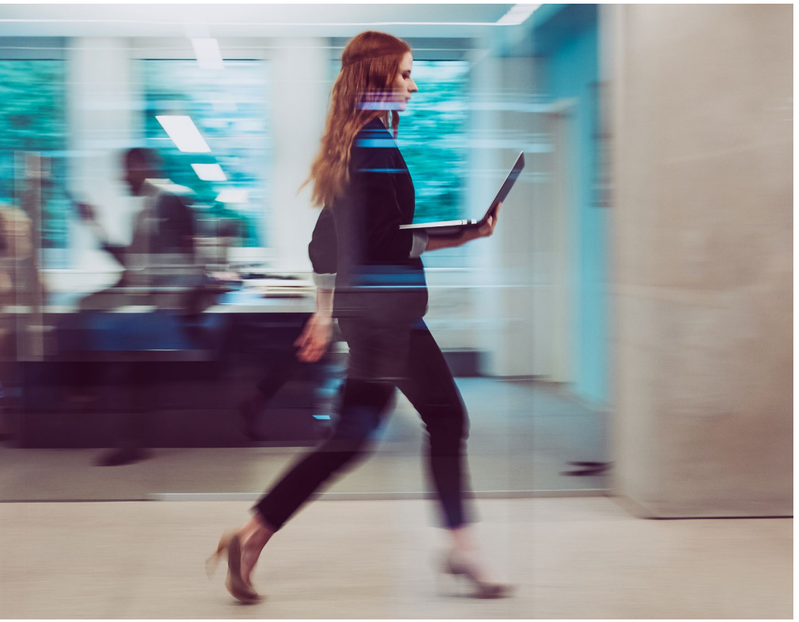
If AI agents can manage rules across multiple applications, what does this mean for your traditional back-end systems? What does it mean for your company?

The implications are profound: from self-optimizing supply chains to real-time fraud detection, businesses will soon operate with AI agents driving continuous reinvention. But is your company truly ready for this transformation? Despite years of cloud migration efforts, many organizations are still waiting for the promised agility and efficiency to fully materialize.

Persistent barriers—including technical debt, unpredictable operational costs and siloed infrastructure—are slowing down innovation. Legacy systems are a bottleneck to AI models and the promised possibilities of edge computing are tempered by the challenges of integrating it with existing networks.

The question is no longer just about upgrading your infrastructure; it's about reinventing the foundation where AI can truly thrive. How can you build an infrastructure that not only supports your business but also drives continuous reinvention? This is the inflection point where strategic investment in modern, integrated and AI-friendly infrastructure becomes imperative.

The case for Modern AI-ready infrastructure



The fast pace of technology has changed how businesses operate, offering unprecedented flexibility and smarter decision-making.

Capabilities like hybrid multi-cloud architectures, AI, edge computing and advanced networks are essential for real-time insights, seamless communication and efficiency. They're helping enterprises make faster, data-driven decisions and improve customer experiences.

However, technology can be a double-edged sword. While it opens up new possibilities, the rapid pace of change often outstrips what organizations are prepared to handle. This can create a gap between your technology investments and the tangible results you get out of them. Focusing too much on short-term gains can lead to fragmented technology landscapes, siloed teams and inefficient operations.

As a CIO, the challenge is to reduce costs while delivering greater value, which means building systems that can adapt and thrive in a fast-changing technology environment.

In a world where technology can both disrupt and enhance your business, your infrastructure is no longer just a support system, it's the foundation of your digital core—the critical, connected tech capability that enables reinvention. By building on this strong foundation and empowering your employees to steer their own AI initiatives, you can achieve exponential growth and innovation.[1]

We've seen this in action. Our research shows that a 6% year-on-year increase in innovation investments can lead to a 21% higher growth rate if you have a leading digital core. Without it, growth is limited to just 5%.[2] This underscores the importance of investing in a robust digital infrastructure to stay competitive and drive long-term success.

Research shows that a **6% year-on-year increase** in innovation investments can lead to a **21% higher growth rate** if you have a leading digital core.

Unfortunately, many organizations are so focused on short-term gains that they overlook the broader strategies needed for long-term success. Legacy systems, fragmented ecosystems and technical debt can hold you back from fully realizing the potential of AI, edge computing and modern networks.

To truly maximize the returns on your technology investments, your infrastructure needs be flexible, secure and adaptive, supporting a reinvention-ready digital core. This digital core uses the right mix of cloud infrastructure and practices for agility and innovation, leverages data and AI to differentiate, and deploys applications and platforms to drive growth and optimize operations.

Building a strong infrastructure foundation to support this digital core requires a structured approach to tackling deeply entrenched barriers like legacy technology, cost constraints, talent shortages and the complexity of hybrid multi-cloud environments. A rapidly evolving technology landscape further complicates modernization strategies. Without a clear plan, you risk piling on more technical debt and missing out on the full benefits of emerging technologies and innovation.

So, the question remains: Is your infrastructure unlocking a competitive advantage in today's dynamic world, or is it holding you back? If it's holding you back, how can you build an adaptive, AI infrastructure that accelerates innovation, enhances efficiency and ensures resilience?

The answer lies in our structured modernization approach, designed to elevate your infrastructure from a cost center to an enabler of reinvention.

What is AI-ready infrastructure?

It’s becoming clearer than ever that if your company is to keep pace with AI-driven reinvention, your infrastructure must evolve.

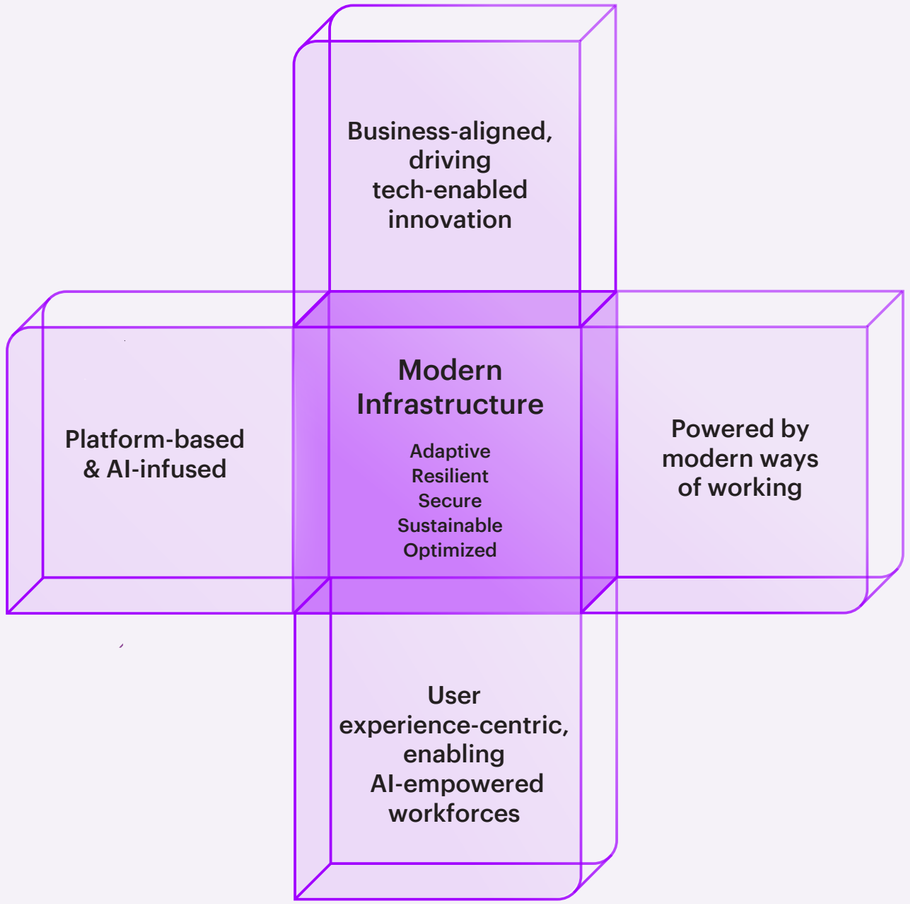
But how do you make that happen across your company’s complex IT landscape? Is there a model that can transform fragmented systems into a powerful enabler of growth? There is—and we call it **“AI-ready infrastructure.”**

Modern, AI-ready infrastructure isn’t just a technical upgrade; it’s a strategic enabler. Traditional, siloed infrastructure simply can’t keep up with the speed, scale and complexity of today’s digital-first business models. To unlock your full potential, your infrastructure must be adaptive, resilient and focused on enhancing user and developer experiences. It should be delivered like a product, using a platform-based approach that leverages modern operations and embeds FinOps and sustainability practices (see Figure 1).

Figure 1: What does a modern, AI-ready infrastructure look like?

Modern infrastructure is easily consumable, adaptive and secure, delivering a rich experience for end-users and developers. It provides seamless integration, management and insights through a platform-driven approach across public, private and edge landing zones, enabled by a modern, software-driven network.

Managed through modern ways of working—including Site Reliability Engineering (SRE), policy-as-code and Agile methodologies—it aligns with industry-specific requirements and drives reinvention through emerging technologies like edge, high performance computing (HPC) and AI.



Let’s dive into what makes an infrastructure truly AI-ready

Accenture’s AI-ready infrastructure survey shows that the key metrics firms rely on to measure the impact of infrastructure investments include business productivity, operational KPIs and business outcomes—highlighting the centrality of modern infrastructure in driving reinvention.[3]

01 | Supports business aligned innovation

Modern infrastructure is designed to align technology with business priorities, promoting innovation by using new technologies like AI, HPC and edge. It continuously optimizes performance, ensures real-time responsiveness and scales seamlessly across hybrid IT environments.

HPC plays a critical role in processing complex AI models, high-speed analytics and large-scale computations, enabling enterprises to drive faster insights and decision-making.

By strategically distributing compute resources across cloud, edge and on-premises environments, businesses can process data closer to the source, reducing latency and improving decision-making.

A secure, API-enabled network, managed using a software-driven approach, ensures seamless integration across distributed environments while maintaining scalability, operational efficiency and compliance.

This approach not only helps accelerate AI adoption but also unlocks new possibilities for real-time analytics, automation and intelligent workflows—driving sustained business innovation and competitive differentiation.

For instance, a Fortune 500 company in the fast-food industry deployed edge computing, AI-driven automation, and connected equipment to process data in real time—enabling faster decision-making, especially in places where cloud connectivity isn’t always reliable. Working with a leading cloud and AI provider, the company is also using artificial intelligence to preempt service disruptions, fine-tune operations and enhance both customer and employee experience. That includes everything from predicting when a piece of equipment might break down to ensuring order accuracy with computer vision. Together, edge and AI are enabling seamless performance at each location, reducing friction during peak service periods and minimizing disruptions caused by equipment failures or network outages.

By equipping in-store teams with edge and AI, this transformation is laying the digital foundation for continuous reinvention—driving fresher offerings, greater efficiency and scalable innovation across global markets.

To implement an AI-ready infrastructure, businesses must first define clear workload placement policies across public cloud, private cloud or edge environments—based on cost, user experience and security requirements. This ensures that the infrastructure can adapt quickly to business priorities.[4]

02 | Prioritizes user experience and enables an AI-empowered workforce

Beyond technical performance, your infrastructure team should enable an AI-empowered workforce by integrating devices and AI services that enhance productivity and decision-making. Enabling the smooth adoption of new capabilities tools and processes means reducing friction across human, physical and digital interactions and delivering timely insights that improve both experiences and efficiency.

Agentic AI could help end users navigate increasingly complex landscapes easier while bringing consistency in interactions. By processing data locally at the edge, you can also significantly reduce response times for customer-facing applications, while enabling more personalized experiences.

CIOs must refine their approach to business KPIs and Experience Level Agreements (XLAs). Mapping user journeys, identifying pain points and measuring end-user satisfaction and key business outcomes—such as revenue per user or time to market—provide critical insights that help you continuously improve digital experiences, ensuring alignment with business goals.

Case Study

Virgin Media O2 (VMO2) partnered with Accenture to enhance customer experiences through a cloud-based digital core that provides access to customer data across multiple channels. Amazon Connect's tools empower agents to manage customer interactions across voice, chat and mobile with real-time AI-suggested responses, automated documentation and a unified agent desktop. These innovations have resulted in a 35% increase in the net promoter score (NPS) and an 89% same-day complaint closure rate.[5]

03 | Built on an AI-driven platform

At the heart of modern infrastructure is an AI-infused platform and a control plane. It helps you seamlessly manage multiple landing zones, applications, data environments and modern networks—using automation and policy-based governance to optimize performance and ensure compliance. It allows IT teams to treat infrastructure like a cohesive product, rather than a collection of disjointed services—which can improve the experience of both users and developers. This AI-driven foundation also provides personalized insights to stakeholders across different IT teams, which leads to faster, more informed decision-making and reduced friction.

As organizations increasingly rely on autonomous AI agents to handle and optimize business processes, end-to-end visibility across the infrastructure environment becomes crucial.

Without this, it's tough to spot issues in data pipelines, AI models or underlying compute environments, leading to issues such as disrupted operations. Unified control planes and dynamic monitoring tools help maintain the real-time observability needed for quick resolution of issues. These tools also ensure constant accountability across an increasingly autonomous IT landscape.

Agentic AI is also emerging as the next frontier in managing increasingly complex infrastructure environments. Networks of agents can help build self-optimizing, self-healing and resilient platforms—continuously monitoring the environment for anomalies and resolving them, autonomously. Agentic AI has the potential to boost operational efficiencies and user experiences, while optimizing spend. Microsoft, Amazon and Google offer solutions for organizations to create multi-agent networks that can automate multistep tasks. Agentic capabilities within ServiceNow help firms automate business processes across IT, HR, CRM and Finance.

By integrating agentic AI in IT operations, businesses can automate problem-solving, reduce downtime and create a self-learning infrastructure that adapts to real-time challenges.

04 | Integrates modern ways of working

Creating an infrastructure that can support a reinvention-ready digital core requires focusing on both machine and human processes. Empowering teams is crucial. For example, switching to a product-aligned operating model and incorporating SRE principles can significantly improve service delivery and break down barriers between engineering, development and operations teams. By embedding SREs into business groups and fostering close collaboration between application teams and business analysts, the infrastructure becomes more adaptive. This ensures that services are reliable, perform well and provide a great user experience.

To keep costs under control, it's important to establish guardrails. Integrating full-stack FinOps and FinOps-by-design makes cost optimization a priority from the very beginning—not just an afterthought. A solid FinOps approach covers not just cloud costs, but all areas of spending, including software, network, edge and operations.

Case Study

Vodafone partnered with Accenture and AWS to transform into a cloud-first, digital organization. The company moved its core services to a microservices-based, cloud-native architecture, which dramatically accelerated the time to market for product releases annually. Vodafone also modernized its network by replacing outdated functions with cloud-native services, which improved agility and efficiency. This transformation enhanced the customer experience, increased throughput by 250% in some instances and streamlined operations, making it easier for engineers to manage complex tasks. The shift to cloud and modernized networks has boosted Vodafone's scalability, automation and digital innovation, driving greater efficiency and agility in its operations.[6]

05 | Adaptive, resilient and sustainable

For infrastructure to keep delivering value, it needs to be resilient, scalable, secure, sustainable and aligned with business needs. This may seem like a tall order, but these qualities often go hand-in-hand. For example, by making sustainability a top priority—focusing on energy efficiency and resource conservation—businesses can stay resilient in the face of environmental challenges and compliance requirements. This dual focus on resilience and sustainability means that infrastructure is built for both immediate benefits and long-term growth, while also being optimized for performance. Those cost savings can then be reinvested into growth initiatives, making your infrastructure both financially stable and a strategic enabler.

Case Study

A good example of this is Accenture's transformation of its Spanish headquarters, Castellana 85. Its modern digital infrastructure not only optimizes costs but also drives long-term value. It has transformed the office into a data-driven, intelligent workspace that is efficient, sustainable and employee-friendly. Equipped with AI-powered automation, edge computing and cloud-based systems, the office uses smart sensors and AI-driven predictive analytics to monitor occupancy, air quality and resource usage in real time. This data allows for the optimization of energy efficiency, space utilization and environmental control. Automated adjustments to lighting, air conditioning and cleaning schedules reduce energy waste and operational costs while improving workplace conditions. With a cloud-based monitoring system, the 9,000-square-meter office now operates more efficiently, creating a healthier and more productive environment for employees while lowering resource consumption and maintenance costs.[7]

The complexities of infrastructure evolution

Right now, CIOs may find themselves at a crossroads. The mission is clear: transforming the entire operating model to stay competitive and innovative.

But to achieve this, you need to enhance your digital core, which will serve as the foundation for such transformation. The challenge, then, is shifting your enterprise infrastructure from a mere support system to a powerful enabler of business reinvention.

The vision of an AI-ready infrastructure promises agility, intelligence and competitive differentiation. Yet, CIOs can find themselves running into resistance from the business due to the inherent complexity of change. To capitalize on the transformative benefits of infrastructure, most businesses will need to overcome some deeply entrenched challenges.

Technical debt

Despite significant investments in IT infrastructure, many enterprises are burdened by technical debt—the cost of maintaining outdated systems. This debt can quickly become a roadblock to innovation. In the US alone, the cost of resolving technical debt is estimated at $1.52 trillion.[8] The rise of AI has only added to this burden, as hasty or unoptimized deployments can result in higher complexity and costs.

Skills gaps

Tech debt inefficiencies and legacy system maintenance don't just strain IT operations, they stretch teams thin. One executive put it bluntly: "We don't have enough people to handle regular work, let alone dedicate them to a transformation." By 2027, 61% of workers globally will need retraining, yet only 5% of organizations are actively reskilling their workforce at scale. Cloud-native systems, AI adoption and edge workloads demand highly specialized expertise. Gaps in AI, security and cloud skills limit operational agility and delay transformation.[9]

Fragmented IT landscape

Managing a mix of systems across public, private and edge platforms is becoming increasingly complex. This complexity drives up costs and hampers efficient IT operations. Organizations need to orchestrate, integrate and maintain real-time visibility across these environments. The challenge is to consider the management of this landscape across all zones and drive standardization across both architecture and technology.

Complex ecosystem landscapes

Companies often rely on multiple vendor partnerships for networking, cloud, AI and virtualization. Navigating these complex technology ecosystems is a significant challenge. For instance, the AI ecosystem is one that is vast and rapidly evolving—with AI clouds, model providers, chip manufacturers, AI-ready data platforms and MLOps platforms—each bringing in differentiated capabilities.

While partnerships drive innovation, they can also lead to vendor lock-in, pricing shifts and restrictive licensing models. Changes in ownership, product direction or support structures can impact long-term scalability and integration, forcing a reevaluation of IT roadmaps. And as infrastructure becomes interconnected across multi-cloud and hybrid environments, businesses find themselves managing more fragmented vendor landscapes, rising costs and unforeseen constraints.

Balancing innovation and financial realities

The demand for dynamic workloads and large-scale computations is growing but ensuring value can be a challenge. Many CIOs struggle to justify the return on infrastructure investments to the business. Compute-intensive workloads—whether in AI, financial modeling or HPC—require careful value planning and governance. New paradigms necessitate newer ways to model investments—factoring in ecosystem selection, sovereignty, energy costs, facility retrofits, data center construction, supply chain risks, etc. Slip-ups in execution can waste millions in compute and operational dollars.

The key challenge to overcome while building AI-ready infrastructure would be to arrive at a unified, consistent platform strategy—one that scales varied landing zones and seamlessly integrates modern data platforms and specialized technology. Siloed AI infrastructure is unlikely to succeed, which makes modern operations necessary. This will enable the platform to be resilient in the face of computational bursts driven by cascading AI services.

> Many CIOs struggle to justify the return on infrastructure investments to the business.

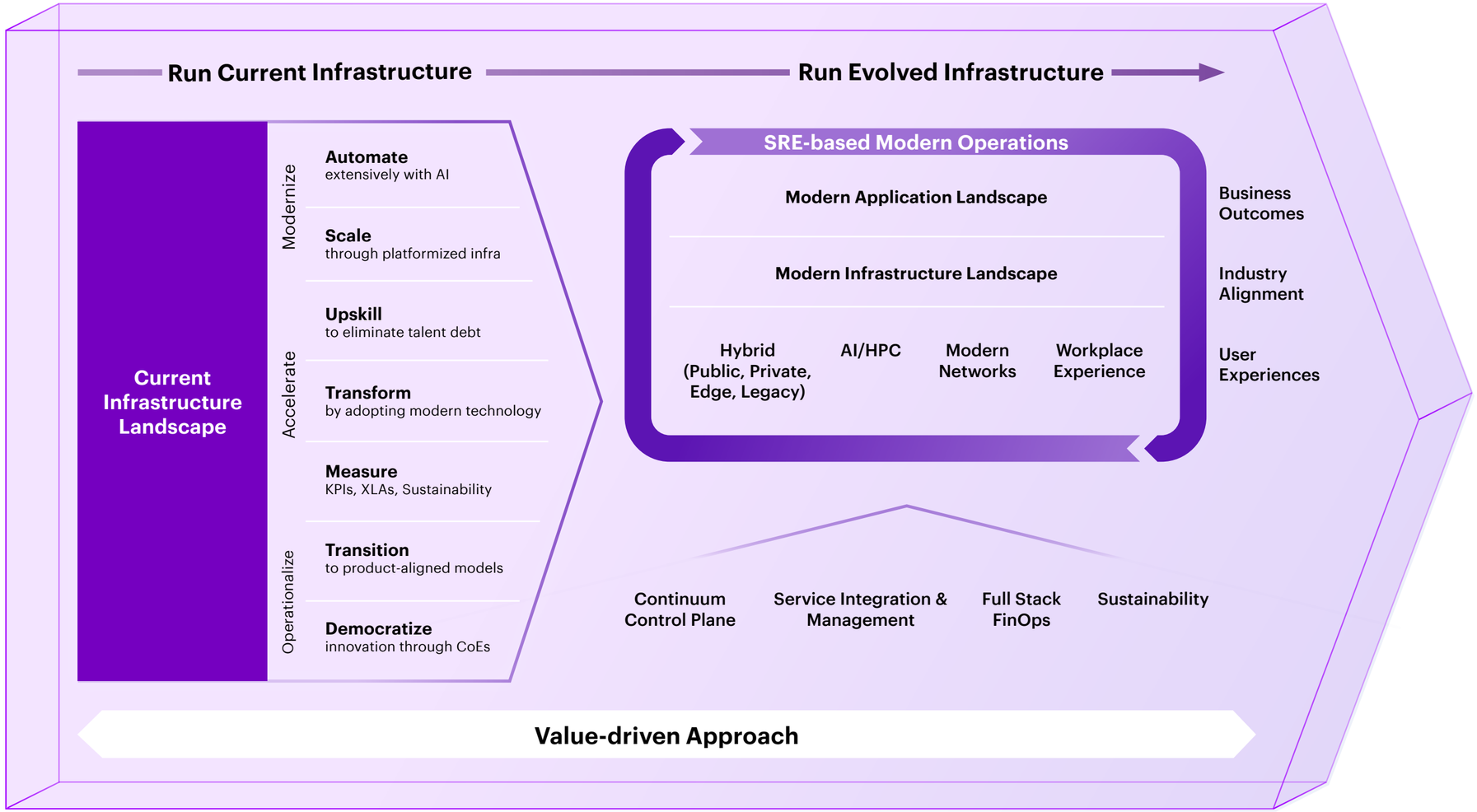
The strategic path to AI-ready infrastructure

It’s understandable for businesses to focus on the problems: Teams are overworked, and budget constraints only add to the pressure. CIOs should not be deterred by these challenges.

In fact, it’s time to sharpen your focus. However, looking at your company’s fragmented IT landscape, you might be wondering where to start.

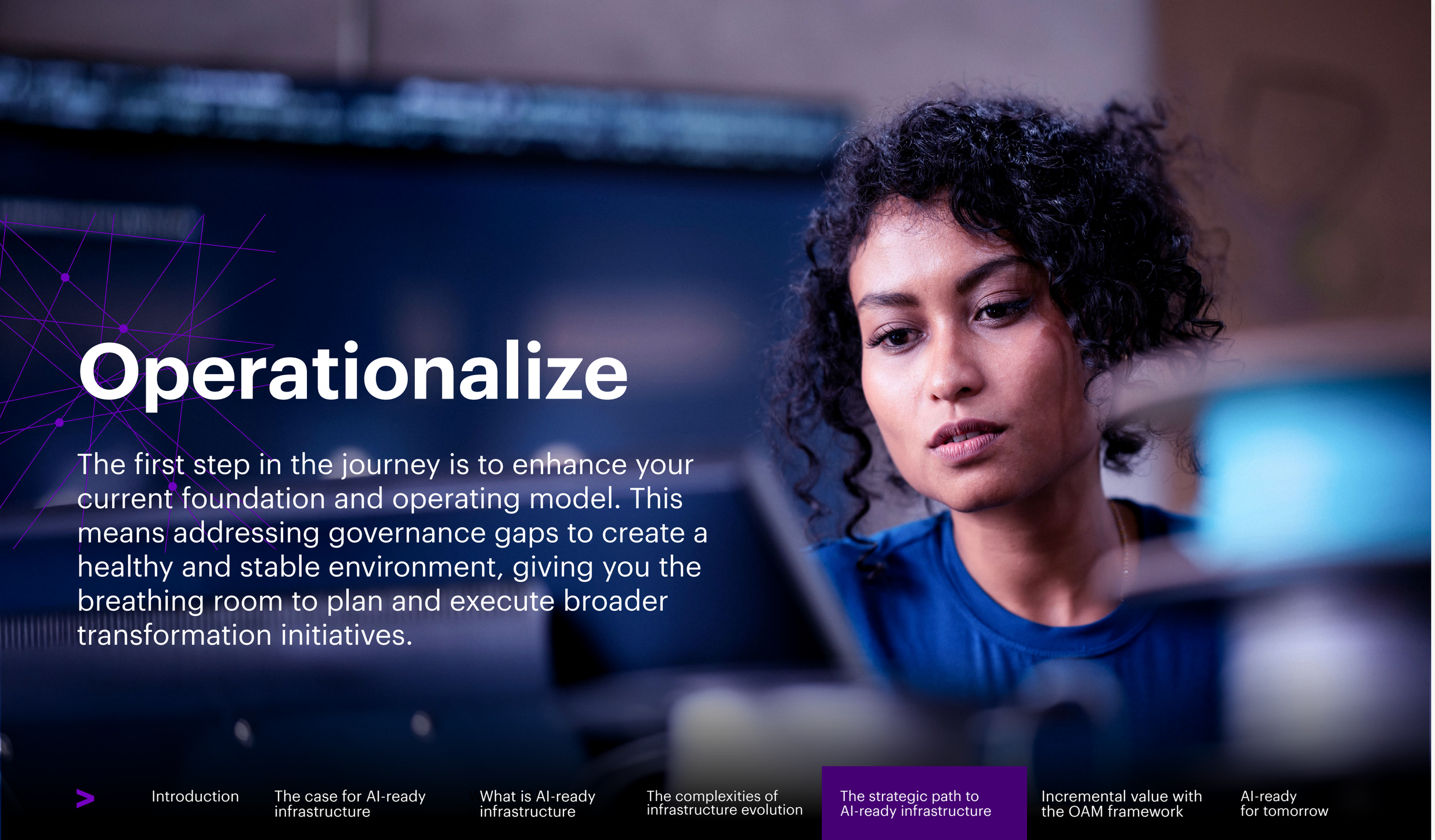
Tackling entrenched challenges calls for a phased approach to modernization. First, strengthen your current foundation and operating model. Then, align your infrastructure with your business priorities while systematically reducing technical debt, so you can start adopting new technologies based on their business value.
To help organizations navigate this journey, we’ve developed the Operationalize-Accelerate-Modernize (OAM) framework—a systematic method for infrastructure reinvention, as depicted in Figure 2.

Figure 2: The Operationalize-Accelerate-Modernize (OAM) framework—a systematic method for infrastructure reinvention



This method is supported by SRE principles, a seamless control plane for integration and modern technologies like AI, edge computing and advanced networks.

Together, these components can take your infrastructure from a rigid support system to a dynamic enabler of innovation.



Operationalize

The first step in the journey is to enhance your current foundation and operating model. This means addressing governance gaps to create a healthy and stable environment, giving you the breathing room to plan and execute broader transformation initiatives.

Before diving into reinvention, it's crucial to establish control and gain visibility into your spending. This phase also involves upskilling your teams and integrating automation into daily operations.

Standardize across multi/hybrid cloud environments

As we discussed earlier, a fragmented infrastructure landscape adds complexity and drives up costs. AI-readiness requires an enhanced infrastructure foundation and a coherent platform strategy, supported by standardized operations across multi-cloud and hybrid environments. Setting up a hybrid cloud center of excellence and introducing upskilling initiatives will equip your teams with the expertise needed to integrate high-performance infrastructure components needed for AI and other modern use cases. Aligning your organizational systems, including incentive structures and providing the right resources and support is key to improving both employee experience and performance.

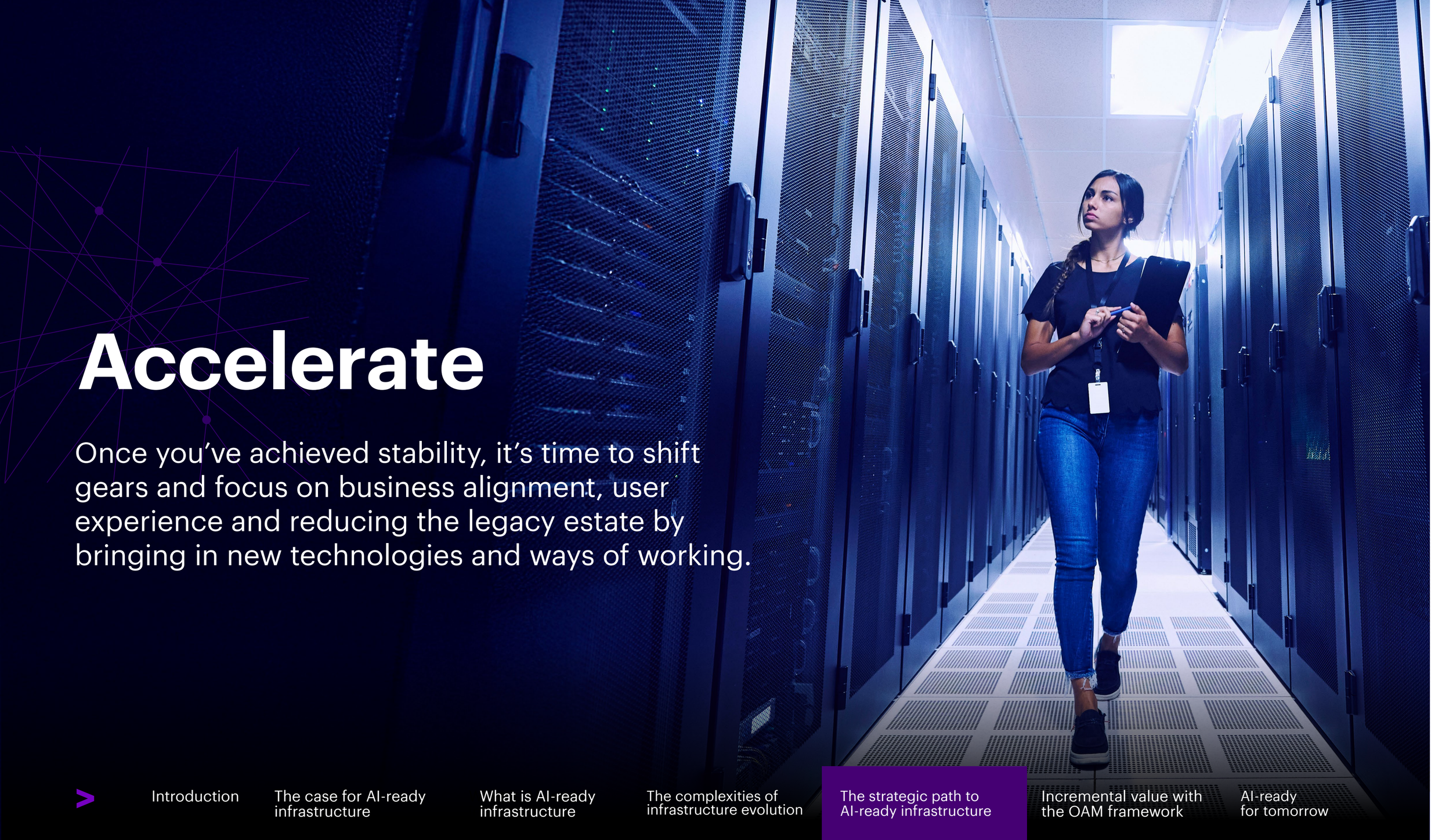
Adopt automation and management

Building a foundation for automation and establishing a lifecycle management process reduces operational costs, enhances security and frees up resources for strategic activities. This is vital for overcoming the challenge of legacy systems that require excessive manual intervention, adding to technical debt and delaying transformation efforts.

Enhance spend visibility

Equally crucial at this phase is to improve your spend visibility using FinOps. This ensures financial accountability and helps you identify cost optimization opportunities, allowing you to prioritize investments that align with your business priorities.

When done right, this phase will result in a multi-speed operating model that can support a hybrid IT environment while maintaining business continuity. It lays the resilient foundation needed for the Accelerate and Modernize phases.



Accelerate

Once you've achieved stability, it's time to shift gears and focus on business alignment, user experience and reducing the legacy estate by bringing in new technologies and ways of working.

In this phase, your infrastructure becomes more than just an IT function—it's deeply integrated with your business strategy, helping to optimize costs, improve agility and enable data-driven decision making.

Boost observability

You can't optimize what you can't measure. That's why improving full-stack observability is crucial. Implement comprehensive monitoring across your systems, applications and networks to get real-time visibility and actionable insights.

Adopt a platform approach

To make sure your infrastructure is used efficiently, move to a platform approach for automation, DevSecOps, AIOps and consumption through a service catalog. This breaks down silos across fragmented teams, speeds up deployment timelines and improves user and developer experience.

Foundational automation and orchestration assets should be enhanced to enable the platform to scale-up, scale-out and scale-across dynamically as required to support AI workloads.

Modernize applications

Transitioning legacy applications to cloud-native architectures enhances scalability, resilience and time-to-market. Addressing inefficiencies in legacy systems is essential to reduce technical debt and ensure seamless operations as you scale.

Enable proactive operations

Embedding SRE principles and AI-driven automation increases application performance and availability. Infrastructure-as-code, policy-as-code and generative AI can be used to maintain standardized and secure environments and drive faster time to resolve. Teams and SREs can become more product oriented by focusing on specific functions.

For example, you might have a customer experience SRE team focused on checkout success rates and chatbot response accuracy, a finance SRE team focused on ERP and payment processing and a regulatory SRE team focused on compliance metrics.

Optimize costs

Cost optimization remains a central concern in this phase. Move from reactive to proactive cost management by embedding FinOps principles into your architecture and operations. Introduce tools and frameworks to measure and optimize IT sustainability, addressing uncontrolled IT spending and budget inefficiencies that can hinder your ability to scale effectively.

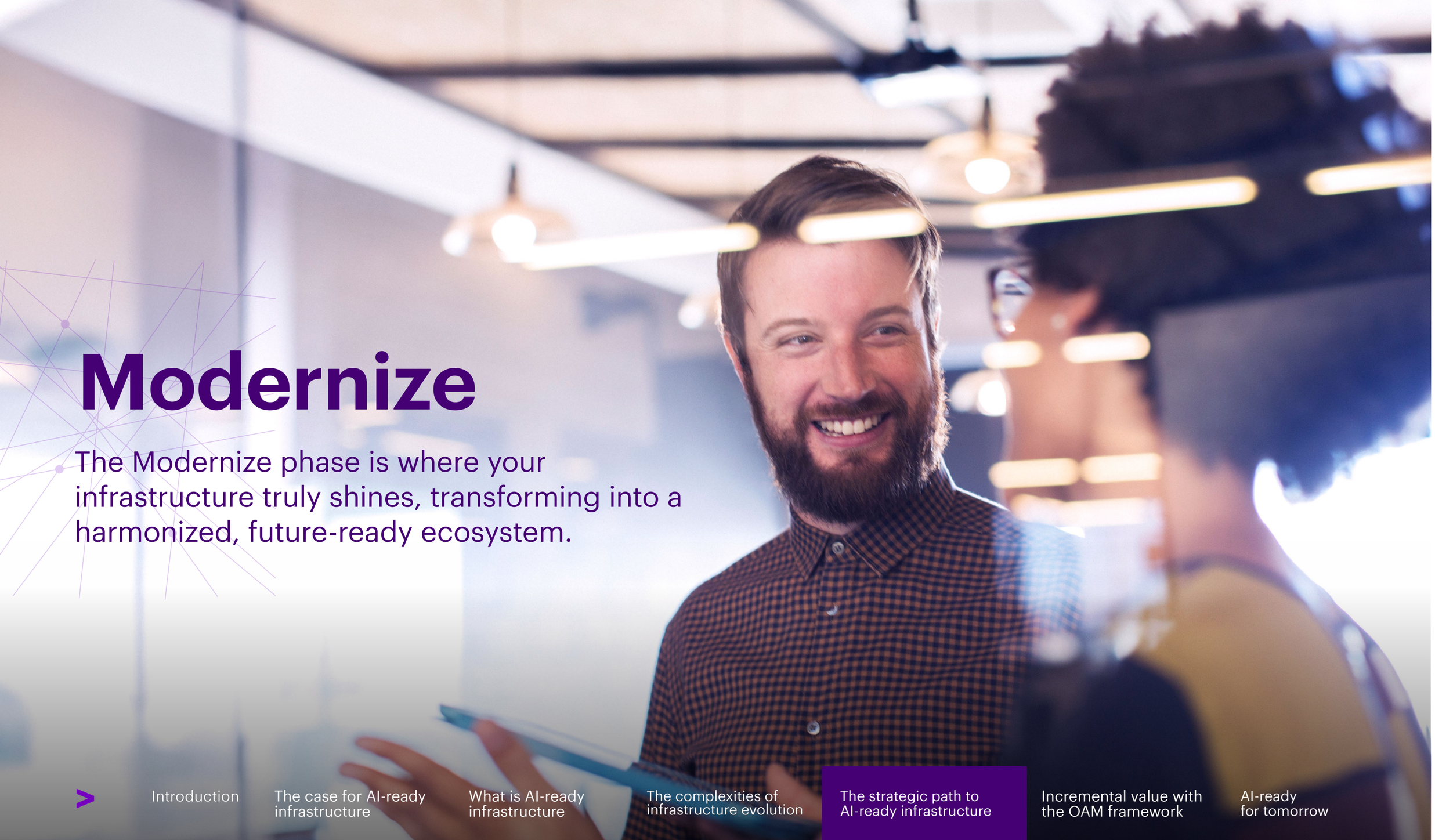
Align with business priorities

Align your infrastructure with business priorities by shifting to product-aligned ways of working. Define and track KPIs and XLAs to measure the impact of your infrastructure on business outcomes. This ensures that your IT investments directly contribute to business performance and user experience.

Leverage AI for optimization

AI can significantly enhance your infrastructure. Automate deployment pipelines, testing procedures and version control mechanisms to accelerate the machine learning (ML) model lifecycle from development to production. For instance, combining generative AI with digital twin technologies can speed up infrastructure project design and development, producing fast, automated and scalable AI/ML models.

By aligning your infrastructure with business needs to accelerate value, this phase lays the groundwork for building advanced capabilities, ensuring the organization is ready for the final phase: Modernization.



Modernize

The Modernize phase is where your infrastructure truly shines, transforming into a harmonized, future-ready ecosystem.

This phase moves your infrastructure from a support function to a strategic enabler by deploying advanced technologies, implementing integrated control planes and embedding continuous innovation into your operations.

Scale advanced technologies

A key focus in this phase is to extensively deploy and industrialize new technologies like generative and agentic AI, 5G/ORAN, edge and secure access service edge (SASE). These technologies open the door to new business models and improve responsiveness to market demands. Firms must also establish robust value governance frameworks to define, baseline, monitor and measure outcomes from investments in new technology—helping scale modernization sustainably.

Emphasis on secure-by-design principles is key. Security must be embedded into the infrastructure fabric and automation leveraged to enforce clearly-defined security and compliance rules.

Enhance resilience

Strengthening operational resilience and scalability is another critical step. By deploying AI agents and embedding SRE principles into your day-to-day operations, you can quickly move from reactive infrastructure management to predictive and autonomous operations. Building resiliency for high-performance infrastructure and preventing performance degradation also necessitates the deployment of enhanced foundational infrastructure principles in conjunction with specialized hardware.

Embrace full-stack FinOps

Implementing full-stack FinOps to manage financial operations across your technology stack (including software, networks and applications) ensures cost efficiency and alignment with business objectives. This is crucial for balancing innovation objectives with the financial realities of your business.

Centralize oversight with a cloud control plane

CIOs can effectively manage the complexity of unifying hybrid and multi-cloud environments by deploying a cloud control plane (CCP), which provides centralized oversight and orchestration, ensuring seamless integration of applications, data, networks and processes. This shift to a user-centric, platform-based approach enhances employee productivity, reduces costs and provides unparalleled visibility across the enterprise.

This foundation can be further enhanced by tools such as Accenture's GenWizard, an AI-powered automation platform designed to streamline IT transformation and modernization. It introduces a dynamic digital thread and a cognitive digital brain—together creating an intelligent platform that provides a comprehensive solution across the technology delivery lifecycle (TDLC), simplifying the complexities of managing IT environments.

GenWizard empowers organizations to achieve greater agility, operational efficiency and future-readiness in their IT ecosystems—driving their IT reinvention.

The Modernize phase unlocks the potential of your infrastructure to drive agility, innovation and competitiveness. It balances cost efficiency with long-term value creation through FinOps-driven financial accountability. For example, on-premises HPC offers long-term cost advantages but comes with high upfront costs. On the other hand, cloud-based HPC provides access to the latest hardware at a lower upfront cost, but it can lead to higher cumulative expenses due to service and maintenance costs. Five-year cost planning can help balance hardware refresh cycles with operational savings to maximize your return on investment (ROI).

Case Study

A prime example of infrastructure-enabled agility and innovation is Amazon's Circular Economy initiative. Accenture, AWS, Good Chemistry and Intel collaborated to tackle PFAS (per- and polyfluoroalkyl substances) pollution. These human-made compounds, widely used in food packaging, paints and adhesives, are often called "forever chemicals" because they don't easily biodegrade and are toxic to humans, posing a significant environmental challenge. Running chemical simulations in the lab accelerates the process of finding a solution, but achieving the near-exact accuracy needed for bond-breaking in PFAS remains a huge challenge. The Amazon Circular Economy initiative developed a novel algorithm using HPC, scaling simulations to over a million CPU cores on a cloud-based platform. This computational power enabled precise chemical modeling, helping scientists identify the most effective methods to break down PFAS molecules. By applying data-driven insights at scale, the project enhanced decision-making agility, shortened solution development timelines and optimized resource allocation.[10]

Incremental value with the OAM framework

The OAM framework emphasizes that the journey to modern infrastructure doesn't have to happen all at once. Each phase delivers incremental value, allowing organizations to align their transformation efforts with current needs and long-term goals. By operationalizing for stability, accelerating for scalability and modernizing for innovation, businesses can create infrastructure that supports their ambitions while adapting to future challenges.

A strategic infrastructure partner is essential in this journey. They help organizations craft tailored roadmaps and embed continuous reinvention into their infrastructure. With the right approach, modern infrastructure becomes more than just a technical asset—it becomes a critical driver of growth, resilience and long-term success.

AI ready for tomorrow

For CIOs that have been grappling with the question of whether their company's infrastructure is ready for an AI-driven future, the path forward should look a little clearer. Transformation isn't easy, but the results are undeniable.

When designed as a flexible, AI-powered ecosystem, IT infrastructure becomes more than a technical asset—it thrives as a strategic enabler of business growth.

With a modern infrastructure platform, you can streamline fragmented systems, break down silos and integrate AI-driven automation into core business functions. You'll be able to stabilize operational costs and reduce system downtime. And where infrastructure was once a bottleneck to AI adoption, it can become a power center, actively driving insights and automation across the organization.

The modern infrastructure platform seamlessly integrates technologies like HPC, AI, edge and modern networks to supercharge your digital core, laying the foundation for continuous reinvention.

We already see its potential to optimize outcomes across industries: think DNA sequencing, climate modeling, vehicle design or digital content creation. The newfound agility your AI-ready infrastructure translates into faster product launches, innovative services, more responsive supply chains and improved customer satisfaction.

The best part is that this transformation doesn't have to happen all at once. By adopting the OAM framework, CIOs can align their infrastructure investments with business objectives, overcoming entrenched complexities to realize incremental value faster.

So, for CIOs who have wrestled with infrastructure as a bottleneck to their ambitions—it's time to flip the script. Embrace this proven framework for building an AI-ready infrastructure and unlock its potential to drive your company's future.

How Accenture can help

Accenture's Infrastructure Engineering Services help companies design, build and manage a modern, cloud-based IT infrastructure.

We offer a range of solutions, from assessment and advisory to modernization and managed services, covering hybrid and multicloud, AI, edge computing, network, digital workplace, HPC and legacy data centers. Our services are tailored to specific industries and use AI to reduce costs, improve efficiency, enhance security and boost user experiences. They also speed up time to market, align with industry needs and enable the adoption of new technologies for innovation and growth.

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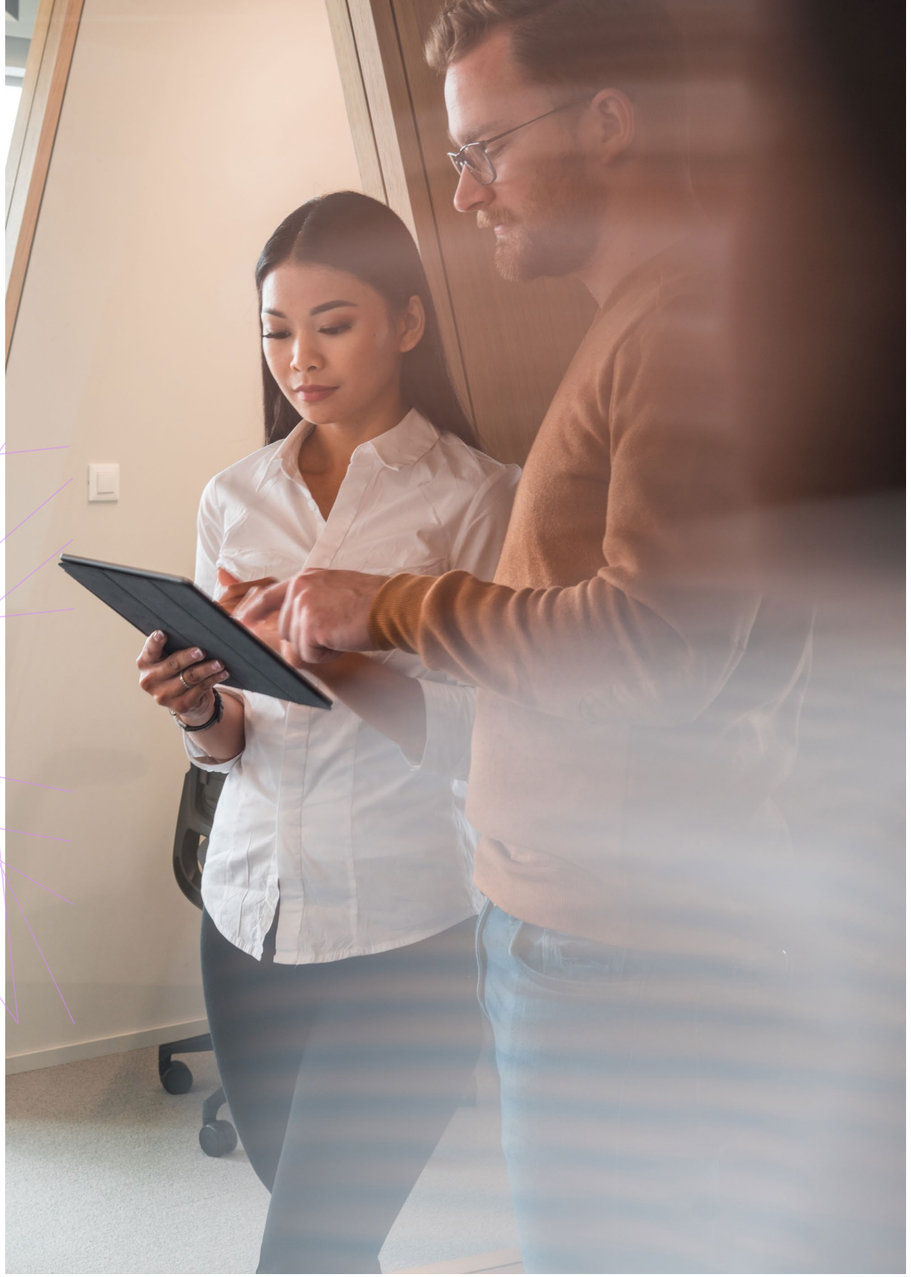

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10. Ilan Gleiser and Maxime Hugues, "Massively-scaling quantum chemistry to support a circular economy," AWS HPC Blog, February 21, 2023

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