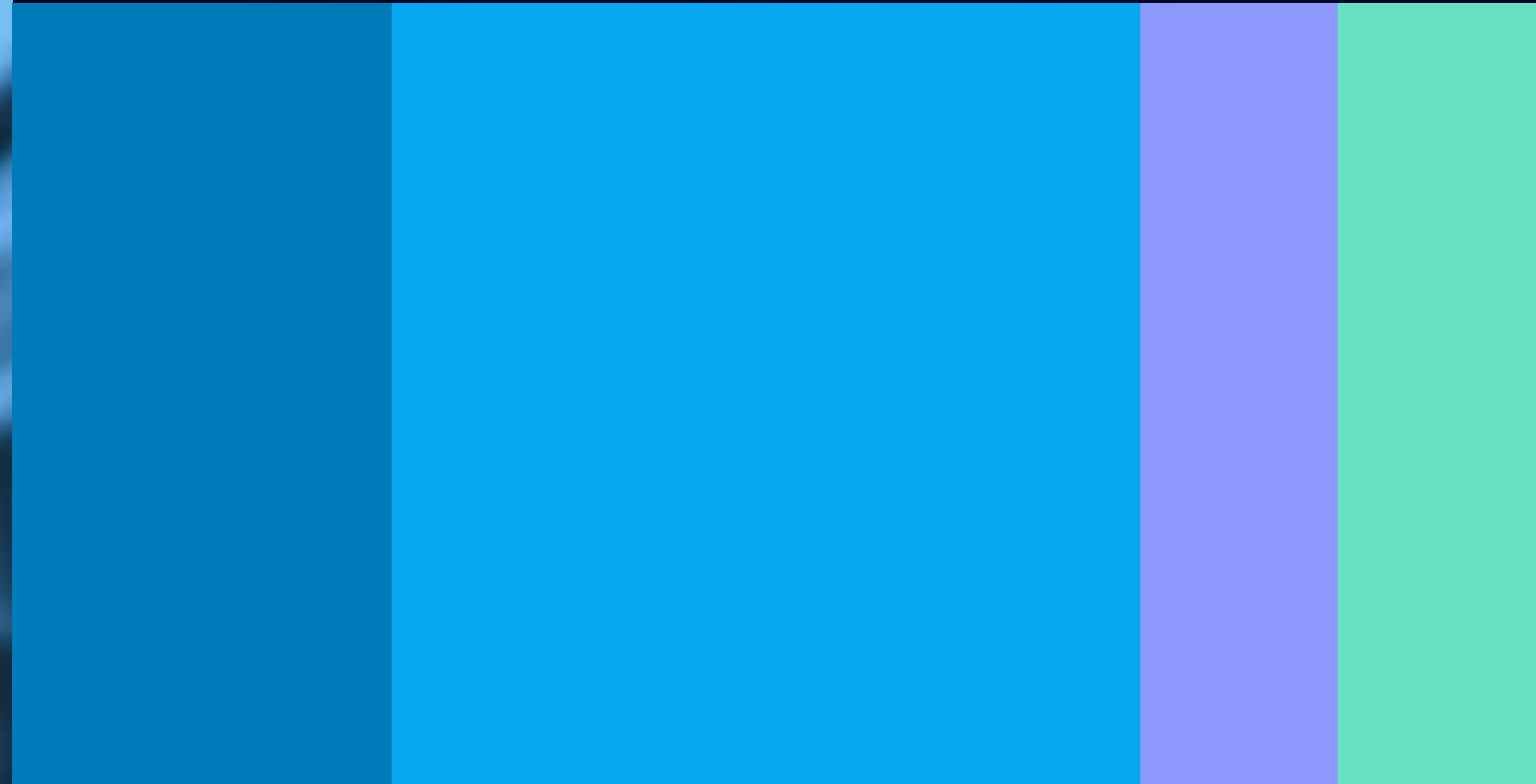




# ARE YOU **AI READY?**

Why Platform Modernization  
for Your Data





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# DATA IN THE AI ERA

**Data is the lifeblood of modern businesses.** It powers operations, decision-making, and competitive advantages in market. It's also the cornerstone of transformative technologies like artificial intelligence (AI) and generative AI (GenAI).

**However, legacy systems, siloed environments, and complex data landscapes often prevent businesses from building the foundation needed to maximize AI's potential and drive meaningful returns on investment.** This disconnect creates a gap between AI aspirations and the current reality.

To thrive in the AI era, organizations must first unify, modernize, and optimize their data and infrastructure—laying the groundwork for future success.

## The role of data in AI

Data is a fundamental component of AI, with its quality and quantity directly impacting a model's ability to learn, predict, and adapt. With the proper data, businesses can transform AI systems into reliable tools to generate insights, solve problems, and improve efficiencies.

**93%  
OF BUSINESSES**

believe generating value from AI and GenAI requires a data strategy<sup>1</sup>

**60%  
OF ORGANIZATIONS**

face significant data and infrastructure gaps when supporting AI<sup>2</sup>



# MORE DATA, MORE CHALLENGES

As data continues to grow at an unprecedented rate, so do the challenges of storing, securing, and managing it effectively.

Many organizations find themselves at a crossroads—embracing innovation while relying on outdated systems that lack the capacity to manage today's vast and complex datasets.

**Simply put, most existing infrastructures are ill-equipped to support emerging technologies**, creating a significant barrier that impedes AI adoption and prevents projects from reaching their full potential.

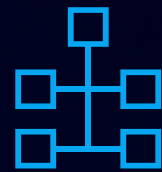
**80%** OF AI PROJECTS  
will fail—double that of  
traditional IT initiatives<sup>3</sup>

## The challenges of data-rich business environments



### Data accuracy

The ever-increasing volume of business data poses challenges in keeping data consistent, accurate, and current



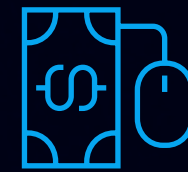
### Data governance

Siloed, decentralized, and legacy environments make it difficult to keep data accessible and compliant



### Data security

Outdated data environments pose security threats, potentially putting valuable business intelligence or customer data at risk



### Data costs

Maintaining existing data infrastructure across complex or disconnected systems drives up costs and resource constraints



### Data analysis

Data that isn't optimally stored, processed, or formatted is limited in use by an organization and cannot support advanced use cases



# ESTABLISH THE FOUNDATION YOU NEED

To generate meaningful insights and ensure AI success, organizations need trusted processes and proven solutions that help overcome today's widespread data challenges.

**Data platform modernization provides a variety of benefits with the potential to improve productivity, enable innovation, and pave the way for new competitive advantages through data.**

With an effective modernization strategy in place, businesses can turn existing systems and underlying infrastructures into holistic, AI-ready platforms.



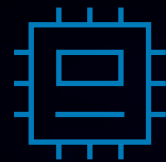
Establish a modern data foundation



Fully maximize AI and GenAI implementations



Support future data-driven needs



## What is data platform modernization?

A multi-step process of transforming and optimizing large volumes of accumulated data into a more accessible, usable, and valuable form.<sup>5</sup> It encompasses various activities that may include migrating, cleansing, consolidating, and governing data onto a new platform or architecture.<sup>6</sup>

DATA READINESS BY THE NUMBERS<sup>4</sup>

**Nearly 60% of businesses** believe their ability to manage data cannot meet AI demands without extra investment

**Over half of enterprises** cannot ensure their data strategy can support GenAI

IT modernization is set to **increase by 27% year-over-year** to take advantage of new technologies, such as AI



# WHY PLATFORM MODERNIZATION?

**Platform modernization is not a one-size-fits-all approach**—it varies significantly based on an organization's unique systems, requirements, and goals.

By customizing modernization efforts to address these specific needs, businesses can better align their strategies to unlock greater value and drive more impactful outcomes with their data.

## BENEFIT 1

### Uplevel decision-making

Connected data can reveal valuable patterns, trends, and correlations not otherwise viewable. By integrating data from both internal and third-party sources, modern platforms can extract actionable insights backed by high-value data.

## BENEFIT 2

### Power artificial intelligence

The convergence of data and AI is becoming a strategic necessity for organizations to innovate and keep pace. By migrating to a modern data platform, businesses can drive data integrity and accessibility in support of their AI aspirations.

## BENEFIT 3

### Improve customer experience

Data platforms, and the AI capabilities they support, help organizations access new insights, identify behavior patterns, and personalize offerings. This allows businesses to remain agile with timely and targeted interactions that meet customer demands.

## BENEFIT 4

### Increase operational efficiency

Today's businesses aim to bolster business continuity while driving down costs and IT spend. With a proper data foundation in place, organizations can integrate with emerging cloud technologies for increased performance, scale, and asset utilization.

## BENEFIT 5

### Enhance security and compliance

Modern platforms are generally security-conscious, providing enhanced features and frameworks that safeguard data. They are also highly connected, delivering consistency across organizational infrastructures while satisfying compliance regulations.



# TURN AI VISIONS INTO REALITY

Ntirety is your trusted partner in transforming existing data landscapes into secure, modern, AI-enabled platforms—easier, faster, and for less.



**Ntirety Data Services** establish the foundation you need to improve data access, streamline integrations, enhance governance, and fully embrace AI and GenAI.

## Our proven approach to transforming data



### Step 1: Discover

**Understand your business goals and define a strategy for your target state**

Analyze your data landscape and your AI readiness



### Step 2: Transform

**Rework existing operations and service delivery solutions**

Modernize your data platform and optimize data processes



### Step 3: Mature

**Evolve operations and innovate into new revenue streams**

Accelerate AI initiatives, enhance decision-making, and optimize operations

**Professional and managed services for your data-driven priorities**



# AN EXPERT-LED APPROACH

Unlike traditional do-it-yourself approaches, Ntirety offers the expertise, processes, and curated solutions to unlock the full potential of data and AI.

## Ntirety Data Readiness Engagements

Ntirety Data Readiness Engagements provide a charted course to establish the underlying data, infrastructure, and security your business needs. Leveraging Ntirety Data Services, each engagement is tailored to your unique requirements—offering industry best practices, expert orchestration, and specialized skills to transform existing systems into a cohesive, scalable platform.



### DISCOVER, ASSESS, PLAN

#### Data Assessment

The discovery and assessment of an organization's data estate across key cost, performance, and security criteria. This includes determining the current state of data, how it can be used, future requirements, and infrastructure needs required to support business initiatives.



### BUILD, DEPLOY, TRANSFORM

#### Data Engineering

The alignment and application of technical resources to create secure, performant, scalable, and manageable data architectures. This covers data aspects such as pipelines, cloud data stores, data management platforms, and data ecosystem integrations.



### OPTIMIZE AND MANAGE

#### Managed Services for Data Solutions

The continuous operation of data solutions to improve performance, resiliency, optimization, and efficiency. Services include managed data lakehouse, managed databases, managed data mesh, and managed data architecture offerings

**"A lakehouse bridges the gap between storing large amounts of data and processing them in a structured, high-performance environment [providing] a solid foundation for managing AI models and implementing AI-driven projects."**

### SPOTLIGHT

## Ntirety Managed Data Lakehouse

Ntirety Managed Data Lakehouse, part of Ntirety Managed Service for Data Solutions, provides a unified repository for disparate data stores, ensuring consistent, fast, and efficient access to insights. It offers a modern, flexible architecture to support data access and analytics solutions including BI, AI/ML, and other reporting systems.







Ntirety Data Services for the Healthcare Industry

## CASE STUDY

# DATA SERVICES IN ACTION

Olympia Orthopedic Associates partners with Ntirety to unify data and create powerful, custom business intelligence (BI) reports

### Customer Challenge

- Outdated, legacy reporting system lacked integration with critical billing and management systems
- Inability to aggregate and accurately view up-to-date data in a single dashboard
- Limited internal resources and expertise to set up and fully leverage SQL database and Microsoft Power BI investments

### Solution: Ntirety Data Services

- Successfully integrated databases, Power BI, and billing and inventory management systems
- Developed custom data flows to capture unique business logic and reconcile front-end applications
- Integrated data from various systems to support custom reporting and monitoring

### Results

- **Streamlined operations** by unifying financial and operational systems, improving efficiency and coordination
- **Enhanced data accessibility** by integrating multiple sources into Power BI, providing centralized, up-to-date information to customers
- **Enabled tailored insights** through custom reporting capabilities, supporting both practical and analytical business needs

I would absolutely recommend Ntirety. They were able to quickly get in and understand our data. They also quickly understood what we were trying to accomplish and have helped us through the whole process.

TABATHA NEWMAN  
Management Analyst  
Olympia Orthopedic Associates



# DRIVE BETTER BUSINESS OUTCOMES

For decades, Ntirety has solved the toughest data problems and regulatory needs in our customers' preferred environments. With deep expertise across data platforms, lakehouses, and warehouses, we provide seamless integration and optimization of your most valuable asset.

**Learn how Ntirety's Data Services can empower your organization and support your journey to successful AI integration.**

[CONTACT US](#)



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Ntirety is the leader in comprehensive managed services, partnering with organizations to modernize and secure today's complex IT environment. Ntirety's solutions span cloud infrastructure, cybersecurity, data, and compliance, connecting mission-critical data across highly secure, available, and resilient environments. For over 25 years, Ntirety has empowered organizations to reduce risk, increase agility, and optimize IT spend by combining full-stack technical expertise with practical, strategic guidance and a commitment to achieving desired business outcomes.

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