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DATA AND AI | By Ducker Carlisle

The Hidden AI Trend Everyone's Missing Building the Right Data Platform

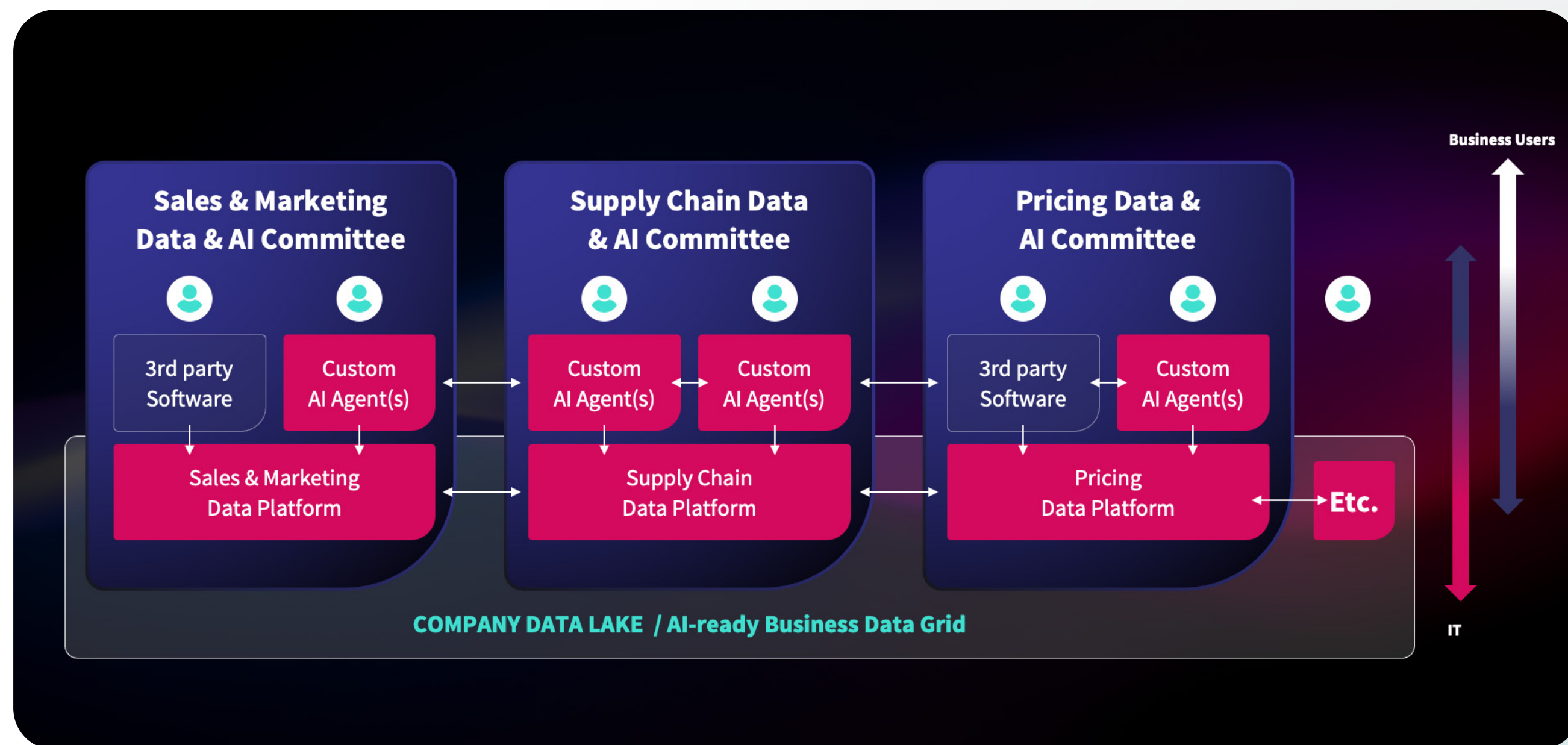
The AI Revolution: Why Organizations Need an AI-Ready Business Data Grid

Artificial Intelligence (AI) has revolutionized the business world, with organizations racing to implement tools like Generative AI and Large Language Models (LLMs). But while many are focused on AI itself, they're missing a critical shift that could fundamentally change how businesses operate: the adoption of a data mesh organization and, more importantly, an AI-Ready Business Data Grid (ABDG).

At SparkWise Data & AI by Ducker Carlisle, we believe AI is the catalyst pushing organizations to embrace a data-first approach. However, traditional data mesh structures are no longer enough. Businesses need to take it one step further by building an AI-Ready Business Data Grid - a system designed not only to manage data but also to seamlessly integrate AI tools, AI agents, and business-specific data platforms. This approach empowers end-users and business teams while avoiding the risks associated with shadow IT.



What Is an AI-Ready Business Data Grid?



An AI-Ready Business Data Grid is an evolution of the data mesh concept, tailored to meet the demands of modern AI-driven organizations. Here's how it goes further:

01.

Beyond Data Silos: It connects disparate business-centric platforms like Supply Chain Data Platforms, Pricing Data Platforms, and HR Data Platforms, enabling seamless data sharing. This transformation doesn't just break silos - it makes organizations truly AI-ready by converting traditional tabular databases into knowledge graphs for example, paving the way for more advanced AI solutions and services. Knowledge graphs enable better contextual understanding and more intelligent interactions, unlocking the full potential of AI-driven decision-making and automation.

02.

Integrated AI Tools: It balances decisions about maintaining existing third-party software, adopting AI-ready solutions, or developing custom AI agents tailored to organizational needs.

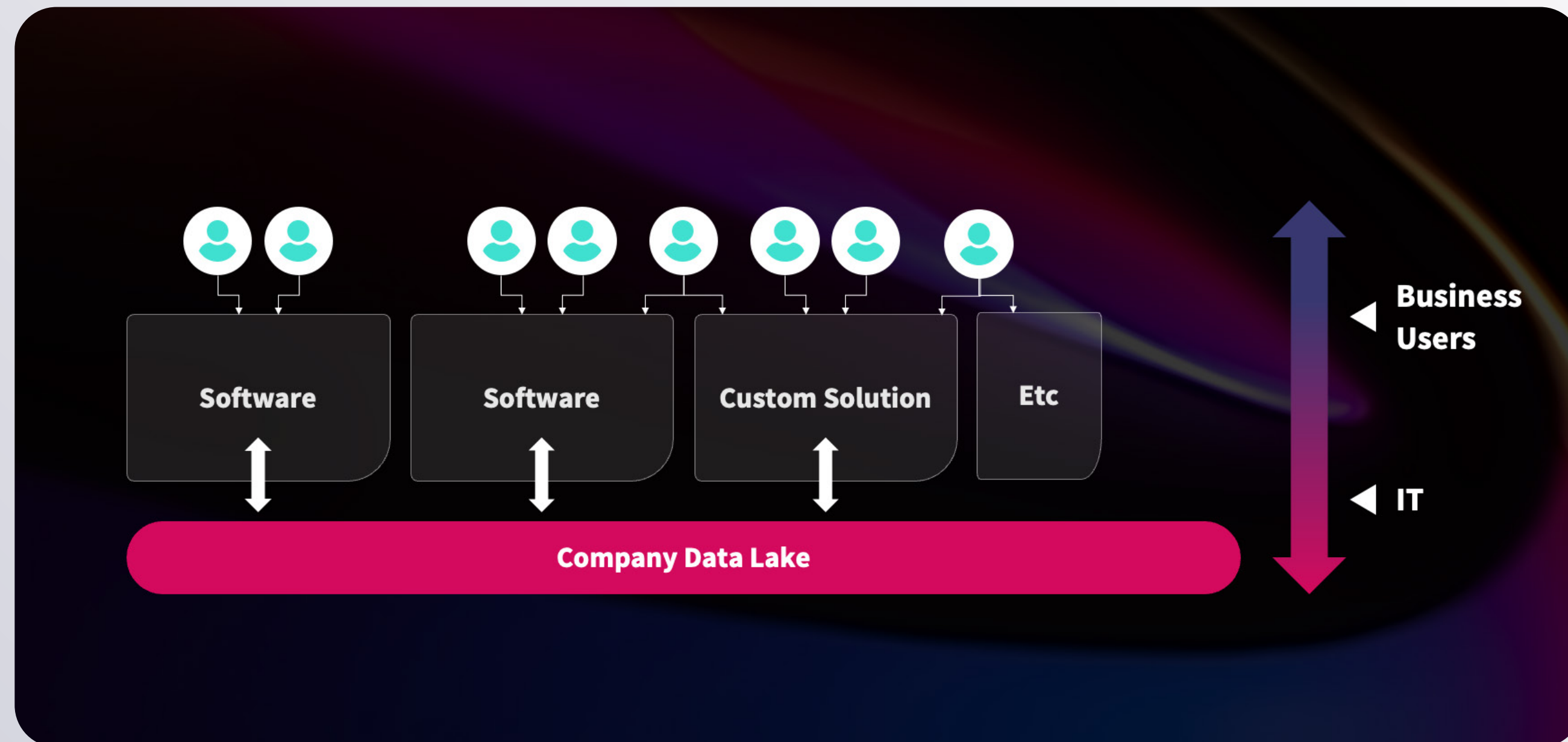
03.

Business-Driven Data & AI Management: Unlike traditional IT-managed data systems, an AI-Ready Business Data Grid gives business users more control over their data solutions and AI tools, while maintaining alignment with IT to avoid creating shadow IT / AI.



In short, the Business Data Grid bridges the gap between business needs and IT infrastructure, fostering collaboration and ensuring the right data is available at the right time to fuel AI-driven innovation.

The Problem Today: Silos Between IT and Business Teams



IN MANY ORGANIZATIONS, IT AND BUSINESS TEAMS OPERATE IN SILOS:

- Data Managed by IT: IT teams control the data infrastructure, often prioritizing security and technical scalability over immediate business needs.
- Business Users Disconnected: Business teams rely on tools they don't fully control or understand, limiting their ability to leverage data effectively in their operations.

THIS DISCONNECT RESULTS IN:

- Inefficient workflows: Critical data is inaccessible or delayed.
- Underutilized potential: Business solutions are limited by outdated systems or poorly integrated data.

To unlock the full potential of AI, organizations must break down these silos and adopt a collaborative, transparent approach to data and AI management.



Why AI Demands a Business Data Grid

The rise of AI has made traditional data management approaches obsolete. Organizations need infrastructure that can support the unique demands of AI. This is where an AI-Ready Business Data Grid comes in:

01.

Custom AI Agents: The grid enables organizations to develop AI agents tailored to specific business needs, such as automating repetitive tasks, analyzing data, or generating insights.

02.

AI Integration Across Platforms: With seamless connections between data platforms, AI tools can operate more effectively, leveraging data from across the organization.

03.

Empowering Business Teams: Business users can design and control their own AI tools and data solutions, working collaboratively with IT to ensure scalability and security.

This approach ensures that organizations don't just adopt AI—they implement it in a way that drives real, measurable results.



The SparkWise Approach: Building Your AI-Ready Business Data Grid

At SparkWise Data & AI by Ducker Carlisle, we specialize in designing and implementing Business Data Grids tailored to your organization's needs. Here's how we do it:

01

Comprehensive Data Mapping:

- Analyze your current data landscape.
- Identify gaps and opportunities in your data and AI infrastructure.

02

Use Case Definition:

- Leverage 60+ years of industry expertise to define the most impactful AI use cases for your business.

03

Platform Design and Implementation:

- Integrate existing third-party systems where possible.
- Build custom AI agents and AI-ready platforms to address specific business challenges.

04

Seamless IT-Business Collaboration:

- Develop solutions that empower business teams while maintaining IT oversight and scalability.

05

Scalable AI Integration:

- Implement AI tools that connect effortlessly with your Business Data Grid, ensuring seamless operations and faster ROI.



The Future of AI Lies in Infrastructure

AI is more than just a tool - it's a transformative force that requires a solid foundation to deliver its full potential. By adopting an AI-Ready Business Data Grid, you're not just preparing for today's challenges - you're building a future-proof organization ready to thrive in the AI era.

If your business is ready to take the next step, contact SparkWise Data & AI by Ducker Carlisle to start building your AI-Ready Business Data Grid today.

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