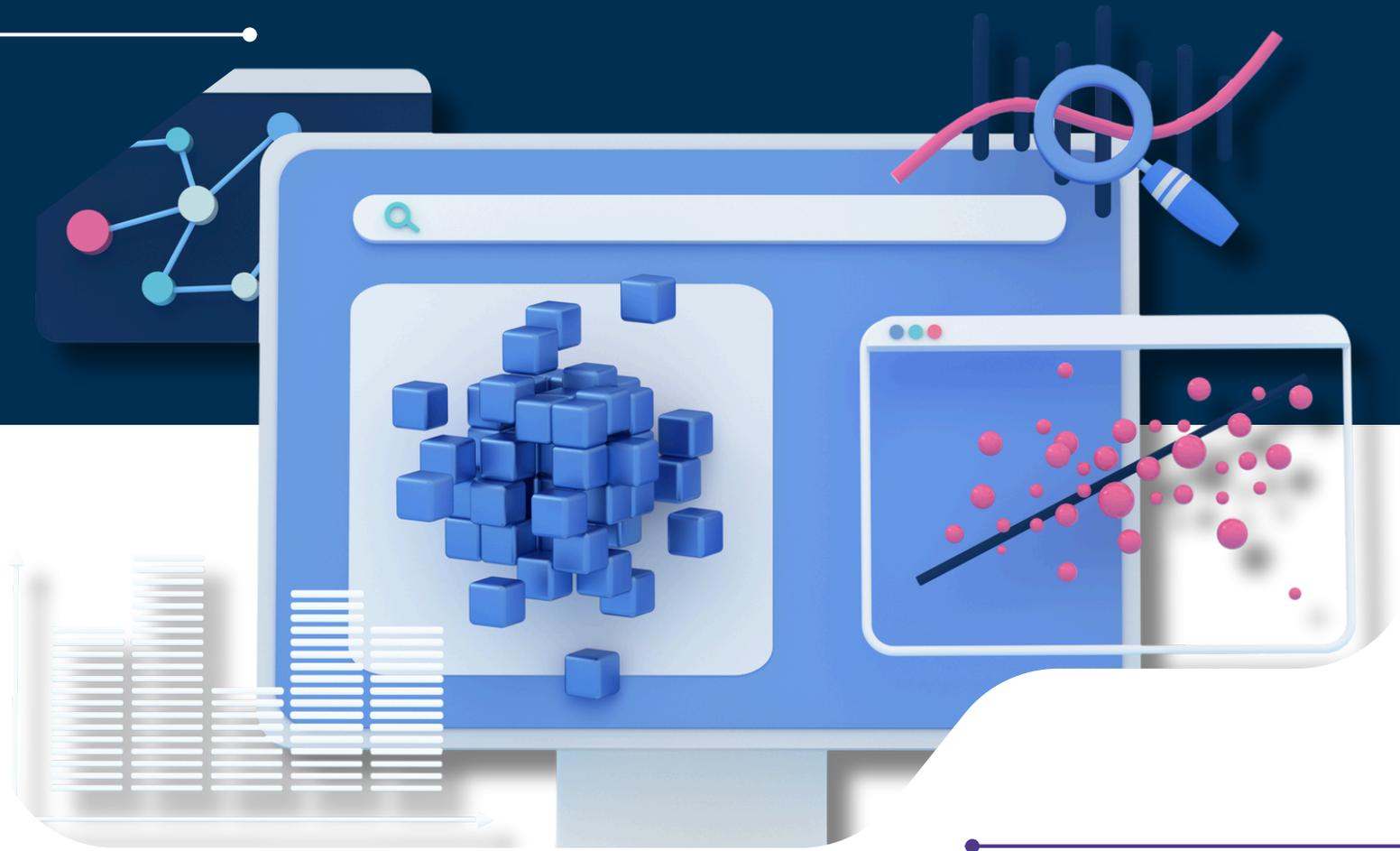


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AI-ready Data Explained

Everyone is ready for Generative AI,
except your data

Executive Summary

In the era of artificial intelligence, the ability to extract meaningful insights from unstructured data is paramount for driving innovation and gaining a competitive edge. Since **80% of enterprise data is unstructured**, efficient data preparation is crucial.

Key considerations for effective data preparation include:

- **Document segmentation:** Breaking down lengthy documents into manageable segments while preserving context to ensure relevant information is fed to large language models.
- **Heterogeneous data handling:** Structuring complex documents containing tables, text, and image icons into coherent content pieces.
- **Format versatility:** Addressing challenges associated with processing data in various formats like JPG, PDF, and Word, beyond simple OCR.
- **Efficient document repository:** Enabling seamless querying and analysis of large document collections, potentially numbering in the thousands or more.

By addressing these challenges, organizations can unlock the full potential of their data and leverage AI to drive informed decision-making, improve operations, and gain a competitive advantage.

According to Gartner research, only 4% of data within organizations is prepared for AI.

“

What is AI-ready data?

AI-ready data means that your data must be representative of the use case, of every pattern, errors, outliers and unexpected emergence that is needed to train or run an AI model for a specific use. It's a process and a practice based on availability of metadata to align, qualify and govern the data.

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**Rita Sallam , Distinguished VP Analyst, KI
Leader/Chief of Research, Gartner**



AI-ready Data Roadmap



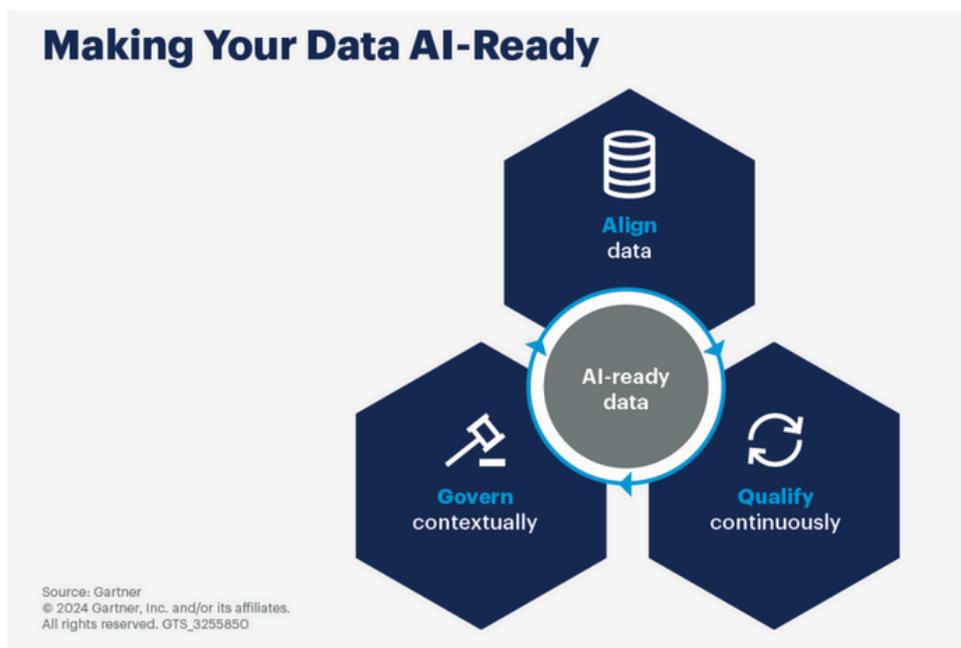
Life Sciences and Manufacturing can use generative AI for a growing number of complex, time-consuming processes — improving outcomes, cutting costs, and improving the efficacy of everything from regulatory and quality issues to drug discovery processes.

AI-ready data comes with distinct requirements, and following a clear roadmap is crucial to stay on track. Data and analytics leaders must demonstrate that their organization's data is prepared to support a growing number of AI initiatives. However, there are significant differences between the requirements for AI-ready data and traditional data management.

To bridge this gap, [Gartner](#) suggests the following steps:

1. Assess your data needs based on specific AI use cases.
2. Present these requirements to the board, decision body and secure their support.
3. Evolve your data management practices.
4. Expand the data management ecosystem.
5. Scale and implement governance.

By following this roadmap, you can ensure that your data is ready for your targeted AI initiatives and keep stakeholders aligned on the true meaning of AI-ready data.



Is Your Data Ready for AI Use Cases?

Generative AI holds a wealth of use case possibilities from drug discovery to commercial manufacturing, the use of autonomously created content has the potential to revolutionize the way we design molecules, compounds, and drug candidates. However, this is only possible when the data is pre-processed in a way that facilitates AI data ingestion.

“Why not include the entire document in the prompt for Gen AI application? There are several reasons why you would want to avoid that.

The first one is the prompt size, which heavily impacts cost and response time. So, the more context you provide to the models, the more costly it will be to generate responses and slow down the application's responsiveness.

The second reason is that GPT models have certain limitations in terms of how much context they can process”



Florian Follonier, Sr. Partner Solution Architect for Data & AI, Microsoft

To ensure your data meets the requirements for AI use cases, consider the following key factors:

- **Data Volume:** Ensure sufficient data to capture patterns like seasonality.
- **Semantics & Labeling:** Properly annotate and label data, especially for images and videos.
- **Data Quality:** Meet quality standards specific to the AI use case, even accounting for potential errors or outliers.
- **Trustworthiness:** Use reliable data sources and pipelines to ensure accuracy.
- **FAIR Data Principles:** Ensure your data is Findable, Accessible, Interoperable, and Reusable (FAIR), maintaining transparency and traceability of data origins and transformations.



Transforming your documents into **AI-ready data** in seconds!

With Acodis, organizations can prepare data **30 times faster** than with open-source AI solutions, driving a **productivity boost of over 50%**—a game-changing advantage in today's data-driven world.

“ The future of AI lies in its ability to seamlessly integrate with human workflows. To achieve this, we must prioritize AI-Data Ready initiatives.

Only when AI can effectively process and understand diverse data formats can it truly augment human capabilities and drive innovation.

”



Martin Keller, CEO and Co-Founder, Acodis

Our innovative solution goes beyond simple OCR, offering a comprehensive approach to data extraction and transformation. By seamlessly handling diverse document types, extracting key information with unparalleled accuracy, and ensuring data quality, Acodis empowers organizations to unlock the full potential of their information assets—preparing data **30 times faster** than open-source AI solutions and **boosting productivity by over 50%**.

This enables businesses to fuel AI initiatives, drive data-driven decision-making, and gain a competitive edge in today's rapidly evolving landscape.





Unlock AI-Ready Data with Precision for Regulated Industries

In highly regulated industries like life sciences, manufacturing and financial services where accuracy, speed, and innovation are paramount, managing and structuring vast volumes of unstructured data can be a major bottleneck.

Acodis is designed to simplify this complexity, empowering Data Architects and Analytics Leaders with tools to seamlessly turn documents into AI-ready, structured data—enabling faster insights and more efficient data workflows.

In Acodis, we combine the latest in RAG (Retrieval-Augmented Generation) Design Pattern principles with an intuitive, no-code interface to make managing data effortless. With our platform, you can unlock the full potential of your data, enabling advanced semantic search, data discovery, and knowledge discovery to drive meaningful outcomes in your research and analytics.

Why Acodis?

Transform Unstructured Data into Actionable Insights

As a data leader, you're faced with an overwhelming amount of unstructured documents—from clinical trial reports to research papers. Acodis enables you to structure this data with ease, turning it into a valuable resource that fuels your AI and machine learning models. With AI-powered auto schema generation and data point labeling, you can create well-structured, AI training data in a fraction of the time.

Accelerate Research with Seamless AI Integration

In life sciences, precision and speed are critical. Acodis leverages the RAG design pattern to optimize the way your teams access information. With advanced chunking and AI search, your domain experts can quickly find the exact data points they need from millions of records, driving faster and more accurate insights without the need to rely on IT.

Boost Efficiency with Workflow Automation: Simplify complex workflows with our Graphical Workflow Editor

Acodis no-code, drag-and-drop workflow editor allows your team to design intricate processes without technical overhead. Whether structuring large volumes of clinical data or handling sensitive regulatory documentation, our Custom Workspace streamlines operations, allowing your team to scale without sacrificing accuracy or speed.



Ensure Data Accuracy with Human-in-the-Loop Review

Life sciences demand precision, and that's why we integrate human-in-the-loop functionality, allowing your data experts to review and validate AI-generated results at critical stages. This ensures that your structured data meets the highest standards of accuracy and compliance—vital for research, regulatory, and clinical applications.

Empower Your Team with Instant AI-Driven Answers

With Acodis, you can integrate third-party Large Language Models (LLMs) as internal assistants, enabling your scientists and analysts to ask complex questions and receive real-time, reliable answers directly from your documents. Whether it's identifying key data from clinical trial results or extracting insights from academic research, your team can access knowledge faster—without relying on IT or manual data retrieval.

Over 80% of data in industries like life sciences and manufacturing is unstructured, making advanced AI-driven insights and decision-making impossible without effective data structuring tools like Acodis.

How Acodis Helps You Lead in Data-Driven Life Sciences and Manufacturing

AI-Ready Data Structuring: Prepare your documents for seamless integration into AI and machine learning workflows.

Our AI-powered tools enable data discovery and knowledge discovery, ensuring that your structured data can fuel more informed decision-making in research and analytics

Scalable Document Management: Handle increasing data volumes effortlessly with our LLM-powered document intelligence tool.

Acodis allows you to process large datasets and extract structured data, so your teams can stay ahead of the demands of cutting-edge research and regulatory compliance.

By simplifying your data workflows, Acodis empowers your Data Science, Architecture and Analytics Teams to accelerate innovation.

From preparing AI training data to discovering knowledge within vast document repositories, Acodis is the key to unlocking the power of your data—without the hassle of manual work or multiple external vendor dependencies.

Key Benefits of Acodis



Accelerate AI Development

- Convert unstructured data into a format that can be easily used to train and improve AI models



Enhance Data Quality

- Ensure data accuracy and consistency through Acodis' robust validation processes.



Drive Innovation

- Uncover valuable insights and trends hidden within your unstructured data to fuel innovation.

How Acodis Works

Upload Your Documents	Easily import your unstructured data into the Acodis platform.
Structure Your Data	Acodis' advanced algorithms automatically convert your documents into structured, AI-ready data
Extract Insights	Utilize Acodis' powerful analytics tools to uncover valuable insights and trends.
Integrate with Your Systems	Seamlessly integrate Acodis with your existing data infrastructure.

Why Choose Acodis

100% In Control of Your Data with Human-in-the-Loop

Ensure unmatched accuracy in document handling through a combination of AI automation and human oversight.

User-Friendly Interface

Our intuitive platform is designed to be accessible to users of all technical backgrounds.

Scalability

Acodis can handle large volumes of data, making it suitable for organizations of all sizes.



Trusted by **industry-leading companies** to unlock the full potential of their data.



NOVARTIS

syngenta



+EPI

Capgemini

Ready to transform your unstructured data into actionable insights?

Schedule a demo with Acodis today and discover how our innovative solution can accelerate your AI journey.

[Contact Us](#)

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