

It is vital to ensure your organization's data is accurate, complete, and properly formatted for AI applications. An AI data readiness accelerator identifies quality issues and gaps, evaluates data governance and security, and mitigates risk. Trace3's offering opens the door to a clear roadmap for AI integration, leading to effective and reliable AI solutions, enhancing decision-making, and boosting operational efficiency.



### SUMMARY

Trace3 starts by understanding your desired AI use cases and current state of your data landscape and assets. We will leverage a proprietary set of processes, tools and tests to assess and profile your data environment and the data itself to gauge its readiness for usage in AI applications. You will receive findings and recommendations for how to prepare and optimize your data, remediate issues, architect solutions, and ultimately get the most value from your data assets when utilized for AI use cases.

### OFFERING DETAILS

AI Data Readiness Accelerator topic areas may include:

#### Structured Data

- Metadata & Tagging: Ensuring robust metadata and data tagging is present.
- SQL Generation: Ensuring the data is ready for AI-generated SQL commands.
- Data volume analysis: Evaluating the volume of data available in relation to use case requirements.
- Data Freshness: Checking if the data is up-to-date and refresh pipelines are in place.
- Sensitive data: Ensuring sensitive data is properly identified and handled.
- Data Integration: Checking if data can be combined from different sources.
- Data Accessibility: Ensuring data can be easily accessed.
- Data Relevance: Ensuring data is relevant to the AI use case.
- Data Bias Check: Checking for any biases in the data that could affect model performance.
- Data Transformation: Ensuring data can be transformed into a format suitable for AI use.
- Third party data: Evaluate opportunities to augment with third party data provider offerings.

#### Unstructured Data

- Folder structures: Organizing data in a logical and structured manner for easy retrieval by AI tools.
- Preprocessing: Cleaning and normalizing data to make it suitable for AI use.
- Chunking: Breaking down large data sets into manageable pieces.
- Indexing: Assigning indexes to data for faster retrieval.
- Data format compatibility: Checking if the data format is compatible with the AI system in use.
- Synthetic data opportunities: Identifying opportunities to generate synthetic data for testing and validation.
- Vector Store vs Graph DB: Recommending the optimal storage approach for your data.
- LLM context window: Assessing the LLM context window size that would work best for your data.
- Data quality metrics: Establishing metrics to assess the quality and reliability of the data.
- Sensitive data: Ensuring sensitive data is properly identified and handled.
- Data Availability: Checking if data is stored available for use.

#### Engagement Outline

Week 1: Discover and document AI Use cases and current state of data environments.

Week 2: Perform data profiling.

Week 3: Perform AI readiness testing.

Week 4: Compile documentation.

Week 5: Present and hand-off deliverables.

To learn more about Trace3's AI Data Readiness Accelerator, contact your Trace3 D&A representative or find us at [Trace3.com](https://www.trace3.com).