



AI Audit Report

Introduction

We have been asked to audit an AI solution created by Company name: ThinkBase LLC
Company website: <https://thinkbase.ai>.

Jurisdiction

We are considering only compliance considerations within the jurisdiction of the European Union . Note that the EU's AI act does not come into force until 2026.

About the proposed solution

Solution overview

Name of the solution

ThinkBase

Description

ThinkBase is a set of tools that create dynamic knowledge graphs, by hand, from generative AI or from machine learning. You can reuse these knowledge graphs in guided conversations like this audit bot.

Prohibited solutions

This solution is not prohibited.

High risk solutions

Your solution is considered high risk. You will have to register the application with the EU and go through an approvals process.

Government procurement

Systems to be used by EU governments are constrained by the prohibited and high-risk criteria.

Proposed Restrictions

None.

References

[EU's AI act](#) .

Technology overview

AI compliance regulations are mostly defined in terms of the application, rather than the technology used. However, some requirements are more easily achieved by some technologies than others. An example of this is “algorithmic transparency”, here defined as “explainability”, which is required in several Jurisdictions for applications used by governments. The assessments below are based on practical limitations of the technologies that might be employed, and the experiences of the authors of the dynamic Knowledge Graph used to generate the report.

This solution is at the production stage of development. The proposed business model is B2B. The AI/ML technology used in, or proposed for, this solution is A Knowledge Graph. The model will be, or has been, generated by human generation using private data. The model will be used directly in the production solution, which will be, or is, hosted with a cloud vendor (Azure,AWS etc.).

Technical risk

This is the risk that the technology will not work as expected. This can be due to a number of factors, including:

- Poor training data
- Choice of the wrong algorithm
- Overtraining the model

These factors are outside of the scope of this document, but should be considered when developing the solution. Our system considers the general appropriateness of the proposed solution to the data types described and previous implementation success.

The technical risk of this solution is estimated to be low.

Reputation risk

This is the risk that a functional solution will not be accepted by the users or will give rise to complaints and bad PR. Although AI/ML has been around for many years, the perception of the public and governments has become increasingly hostile as applications have developed and with the growth of generative AI. Some combinations of technology and application are particularly vulnerable.

The reputation risk of this solution is estimated to be low.

Supersedence risk

This is the risk that the technology will be superseded by a better technology in the near future. Some areas of AI/ML are relatively stable, while others are rapidly evolving.

The supersedence risk of this solution is estimated to be low.

Explainability

Several AI/ML technologies are considered “black boxes” because they do not provide a clear explanation of how they reached their conclusions. This can be a problem in some applications, particularly those that are subject to regulation. In this instance, higher is better.

The explainability of this solution is estimated to be medium._

Conversation record

Question	Response
Will the solution ultimately be used to determine the opportunities presented to a human whether by your organization or another using the solution?	Yes
What AI/ML model type does your solution use?	Knowledge graph
Will this solution be used in biometric identification and categorization?	No
Is the domain of the solution closed, i.e. can you test every case?	Yes
Will this solution subliminally manipulate individuals in any way?	No
What is the generation process for the solution's model?	human generated (rule-based)
What is your source of training data?	Your private data
Will this solution infer the race, politics, sexual orientation, religion, health or union membership of an individual?	No
Will your solution be used for social scoring by governments?	No
Will your solution perform real-time biometric identification in public spaces?	No

Question	Response
Will this solution predict an individuals likelihood of committing a criminal offence?	No
Will this solution infer the emotional state of individuals in the workplace or education?	No
Will this solution be used in education and vocational training?	No
Will this solution be used in employment, workers management and access to self-employment?	Yes
What is, or will be, the test coverage in %?	100
What is the name of the company that owns the solution?	ThinkBase LLC
What is the website URL of the company?	https://thinkbase.ai
Is this an audit of your solution or an external one?	An audit of an external solution
Please give a description of the intended or existing solution.	ThinkBase is a set of tools that create dynamic knowledge graphs, by hand, from generative AI or from machine learning. You can reuse these knowledge graphs in guided conversations like this audit bot.
What is the name of the existing or proposed solution?	ThinkBase
What is the stage of development of your solution?	The solution is in production
What is the solution's business model?	B2B
How is the solution used to create an output in production?	Just the model
What is your hosting model?	In the cloud - AWS, Azure etc.
This process is complete.	

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