



TesseractAcademy

The New Solution Adoption Questionnaire

Join **Tesseract Academy's** mission. Are you a CEO, manager, or entrepreneur? We help decision-makers like you understand data science, AI, and **blockchain**.

It is often easy to get carried away by new technologies. Every 1-2 years there is some new big name in town, and all the companies are racing to adopt the new tools. However, quite often, those solutions are expensive to implement, might not carry any benefits to you, and might be quite immature and untested.

There have been countless businesses that rushed to use Hadoop, NoSQL, blockchain, and other technologies, without really needing them. This **simple questionnaire** should help you understand whether you should adopt a new solution or not.





Introduction

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Step 1

Goal: Understand your objective and what you are trying to achieve. E.g., what if you want to use a new kind of database, what are the issues with the current one? Long read times, scaling up, or something else?

Step 2

Enumerate each solution, context it was created in, pros and cons. Read the white paper if there is one around. E.g., for example, for the Ethereum blockchain you could write:

1. *The goal of the solution: Decentralisation, immutability, smart contracts.*
2. *Creator/Maintainer: Ethereum Foundation.*
3. *Pros: Very well tested solution.*
4. *Cons: Blockchain solutions face speed issues (whether this is relevant depends on your particular challenge).*





Step 3

Analyze costs and risks. Every migration or adoption of a new technology contains unseen risks. Answer the following questions to map out risks and solutions.

- Can your current engineers do this or do you need to hire more people?

- If you need to hire someone new, how easy is it to find someone, and how much would it cost?

- What could go wrong? How can you mitigate the risks?

- How much money would you save after the solution would be implemented?

- How would your service or product improve by adopting the new technology?



We are on a mission to educate and help decision-makers understand and implement data science and AI.....

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