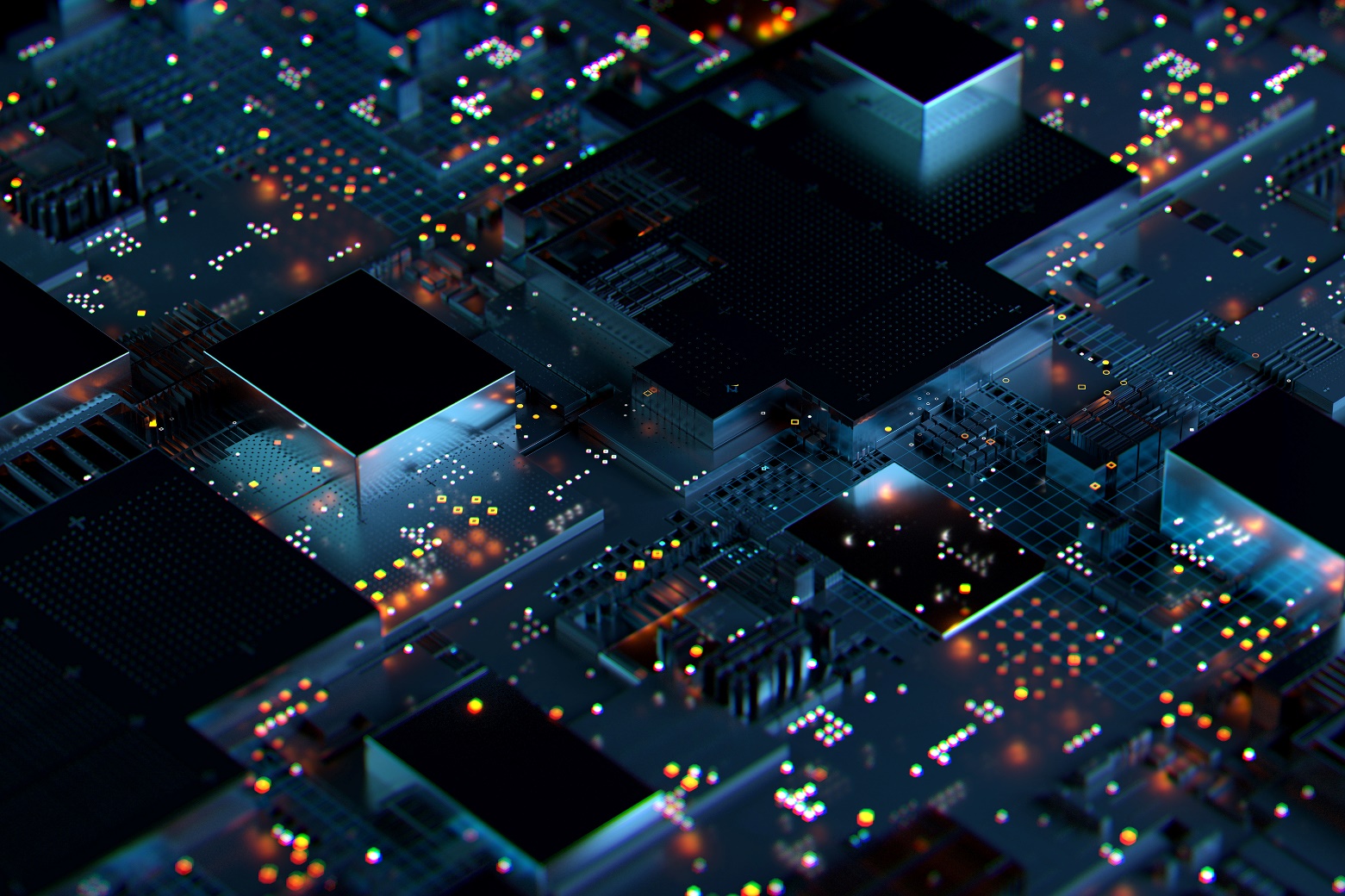
Emerging Trends Research

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Domain Driven Design

# Overview

**Domain Driven Design** (DDD) is a concept in software development regarding the structure, maintainability, and the logical separation of the code. The greatest priority of each DDD project is the business domains and their implementation and respectively the domain forms the core of the logic. It is currently a very popular topic among the software industry. Respectively quite a lot of companies implement this concept within their projects and the developers are expected to be fluent applying it.

My main goal for this research is to acquire more in-depth knowledge about DDD both theoretical and practical. I want to learn not only about the DDD concept itself, but also the way it fits in different types of projects. From my experience as a developer, I can say I have been in occasional situations where I use a particular technology/concept in a wrong way while thinking it was a “silver bullet” in software.

# Research

Main research question:

How can the domain driven design concept efficiently be applied in software projects?

Additional questions:

* What is Domain Driven Design?
* What are the advantages and the disadvantages of this concept?
* How can DDD be applied in a real-life software project?

## Methods

A nice way to acquire theoretical knowledge is the **library research**. This way I can get into the basics of DDD. Searching for different trustworthy sources of information and investigating the **good and bad practices** is also a key part of the topic, so I can get knowledge how to use DDD properly and not misuse it eventually. A nice could-have is also an **expert interview** which can give me a clear perspective from someone with first-hand experience with DDD.

After collecting enough information, I may try to implement what I have already learned in a real-life project (**prototype**), where I can apply the DDD principles and achieve a practical justification to my research.

## Deliverables

At the end of the research possible deliverables could be:

* Research document, including detailed information about DDD.
* Small project to show what I have learned from the theoretical study.