Qr code

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Blockchain

research report

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Table of Contents

[Introduction 1](#_Toc97972243)

[Research Questions 1](#_Toc97972244)

[What is blockchain technology and why does it matter? 1](#_Toc97972245)

[Research methods 2](#_Toc97972246)

[Estimated time and deliverables 2](#_Toc97972247)

[Deliverables 2](#_Toc97972248)

[Estimated time 2](#_Toc97972249)

# Introduction

This research is made as part of my studies for Fontys University of Applied Science and the topic Blockchain was chosen, because my specialization was done for CyberSecurity and I am curious to learn more about it and to provide more information to me and my fellow classmates.

The goals that I want to reach with this research are to learn what is blockchain and to explain that to normal users as well, because it is a relatively new concept. It was published in the early nineties and the first implementation was Bitcoin in 2008. Where cryptocurrencies were the first application, the blockchain is also used in different fields. I will explain the history, challenges with blockchain adoption and when it was implemented and how it continues to improve.

# Research Questions

I am starting with the main research question and then continue with sub-questions after that. Those are the questions that I think are relevant in my point of view and those are the answers that I am curious about and want to answer.

## What is blockchain technology and why does it matter?

**What are the different types of blockchain technology?**

**Is blockchain secured?**

**What are the limitations of blockchain?**

**How was It implemented in the beginning?**

**What are the challenges of blockchain adoption?**

**What is the impact of the blockchain on the society?**

# Research methods

* Library method
  + Best good and bad practices.
  + Community research
  + Literature study
* Field method
  + Document analysis
  + Problem analysis
  + Survey
* Showroom
  + Benchmark test
* Workshop
  + Brainstorm

# Report

Living in the 21st century, we are all well versed with terms like bitcoins and cryptocurrency. Blockchain is the newest and friendliest technology launched in the market so far.

## What are the different types of blockchain technology?

A blockchain network is a technical network that is providing ledger and smart contract (chaincode) services to the applications. Primarily, these smart contracts are used to generate transactions which are subsequently distributed among every peer node in the network where they are unalterably recorded on their copy of the ledger. The users of applications must be end users using client applications. Most of the organizations come together

## Is blockchain secured?

# Resources

<https://www.analyticssteps.com/blogs/4-types-blockchain-networks?fbclid=IwAR34Se74HbZBoy6hbaJntsFsrrWhp660qWmI7HIi66eCaHqu98ARZvrposY>