



b l o c k c h a i n s o l u t i o n s

White paper



Technical whitepaper

Abstract

Disclaimer

Summary

Blockchain: a distributed ledger

Where did blockchain come from?

How do cryptocurrencies use the blockchain?

What's the catch?

Bitcoin, blockchain 2.0 and the growth of distributed ledger technology

Main concepts

Microtransactions

Smart contract

Smart property

DApps (Decentralized Applications)

DAOs (Decentralized Autonomous Organizations)

Blockchain technology: digital trust and distributed ledger technology (DLT) in business

The growth of DLT business initiatives

Setting the scene: the scale and transformation of transactions in a decentralized digital age

Blockchain technology: an encoded and decentralized database

Where blockchain technology is used – application areas

- Blockchain in banking, insurance and finance services

- The Internet of Things and blockchain technology

Blockchain and IoT

- Supply chain management, logistics and blockchain

- Industry 4.0 and blockchain

- Other blockchain technology application areas

- Blockchain in business 2018-2021: data and action plans for the near future

- Blockchain networks in production by 2020: main industries

- What does a business have to do in 2018 order to get ready for blockchain?

- Blockchain 2018: forecasts and industries

The limitless applications of blockchain – revisiting transactions in the digital age

- Goods and services mean many things

- Transactions don't just happen between people

The future of blockchain

How does blockchain technology work?

Some benefits of blockchain technology

Speed

Cost

Transparency

Tracking

Blockchain in business: looking back at 2017

The big blockchain technology leaders

Blockchain business adoption, investments and practices

Where is blockchain a potentially good business fit?

Disruption and underestimation of the blockchain challenge as risks

Additional resources on blockchain in business

Blockchain enterprise survey

Blockchain technology report for IT managers

Blockchain Global Benchmarking Study

What is cloud computing?

Everyone is talking about “the cloud.” But what does it mean?

Life before cloud computing

Cloud computing: a better way

Cloud-based apps can be up and running in days or weeks, and they cost less. With a cloud app, you just open a browser, log in, customize the app, and start using it.

The three types of cloud computing

Infrastructure as a Service (IaaS)

Software as a Service (SaaS)

Using the cloud, software such as an internet browser or application is able to become a usable tool.

Platform as a Service (PaaS)

Adaptable

Multitenant

Reliable

Scalable

Secure

Overview

The Impleum blockchain platform.

DApp through a documented API.

Impleum's coin [IMPL]

Cross-platform Wallet

Integration of Blockchain

Mining opportunities

Masternodes

Architecture and development

What keeps Impleum highly resistant to external attacks?

What are the advantages Impleum smart contracts over other platforms?

What Impleum has to offer:

Seamless integration of blockchain solutions on the software.

Architecture and development

Benefits

Architecture of the Impleum Bitcoin Full Node

Impleum Bitcoin Full Node

Security Analysis of Proof-of-Stake Protocol v3.0

Team

Impleum Masternode Registration Protocol

Impleum Sidechains

Impleum C# Smart Contracts

Core contributors and advisors

In progress...