

Training: Compendium CE
Blockchain - how to do it right

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	250 EUR	1 day
Traditional	Digital materials	250 EUR	1 day
Traditional	CTAB Tablet	400 EUR	1 day
Distance learning	Hardcopy	250 EUR	1 day
Distance learning	Digital materials	250 EUR	1 day
Distance learning	CTAB Tablet	250 EUR	1 day

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

During the workshop we go through the basic pitfalls of blockchain. At first, we go through the basics to cover the foundation. To warm up we set up the blockchain and development tools related to it. We show what smart contracts and tokens are. We will strongly focus on dangers and difficulties when using blockchain, and why it should always be supported by classical database. We will implement basic application which stores transaction data in blockchain, supported by a typical database, to handle data which needs to stay mutable.

Outcomes

- Participants will learn how to setup simple blockchain environment
- Each participant will get familiar with security and data storing issues related to development of blockchain based application

CONSPECT:

- Introduction
 - What blockchain is
 - Why it is so trending
 - Comparison with classical databases
 - Different types of blockchain
- Ethereum blockchain

- Why it is specific
- How to setup private blockchain
- Related development tools
- Exercise 1
- Smart contracts
 - Introduction to smart contracts
 - Why testing is so important
 - Problems with deployments
 - Explanation of use cases and implications
 - Exercise 2
- Tokens
 - How they work
 - ERC20 standard
 - Status information update
 - Exercise 3
- Data security and scrambling
 - What are the biggest threats when using blockchain
 - Combination of blockchain and classic database
 - Exercise 4
- Example decentralized application
 - Decentralized application structure
 - Approach change
 - Exercise 5

REQUIREMENTS:

- Basic Javascript/Node.js knowledge
- Basic Solidity knowledge
- Affiliation towards blockchain development

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Compendium CE.

TRAINER:

Certified Compendium CE Trainer.