

Szkolenie: The Linux Foundation LFS174 Hyperledger Sawtooth for Application Developers



Cel szkolenia:

Learn how to code a Hyperledger Sawtooth sample application.

Over the past few years, there has been a lot of talk about blockchain and its potential in the enterprise landscape. Today, blockchain is no longer a hype: it has become a reality, and is transforming processes and how enterprises do business, across a wide range of industries.

Hyperledger Sawtooth is an open source project under the Hyperledger umbrella, and works as an enterprise-level blockchain system used for building, deploying, and running distributed ledger applications and networks.

The Hyperledger Sawtooth for Application Developers course starts with the basics of blockchain technology and the concepts of permissioned networks, then describe the important features of Hyperledger Sawtooth.

It includes a sample distributed application, Sawtooth Simple Supply, that is based on a simplified supply chain example. This blockchain application includes a web-app frontend, a transaction processor (the equivalent of a smart contract) for the blockchain business logic, and a custom REST API for communication. Learning how to code this sample application will teach you about important Hyperledger Sawtooth concepts and will help you understand how to create your own enterprise-level Hyperledger Sawtooth application.

The 2019 Technology Industry Innovation conducted by KPMG around the adoption of blockchain technologies suggests that 41 percent of businesses are likely to adopt and implement blockchain into their business operations in the next three years. Another important aspect revealed by this survey is that 48 percent of enterprises believe that blockchain will change the way they conduct and manage their business activities in the near future.

Want to be part of the blockchain revolution? Enroll today and learn all about developing applications with Hyperledger Sawtooth.

What you'll learn:

- Blockchain concepts: blockchain structure and process flow, transactions, blocks, hashes and signing, permissions, and consensus algorithms
- Hyperledger Sawtooth basics
- Principles of application design and development for the Hyperledger Sawtooth platform
- Create a full-featured Hyperledger Sawtooth blockchain application, using the included Sawtooth Simple Supply application

- Run and troubleshoot an application

Plan szkolenia:

- Blockchain Basics
- Hyperledger Sawtooth
- Overview of Application Development
- Creating an Application: Sawtooth Simple Supply
- Running the Simple Supply Application
- Course Conclusion

Wymagania:

This course requires programming experience with Python and JavaScript, or similar languages, as well as general familiarity with protocol buffers (protobufs). It is also helpful, though not required, to understand the basics of the ZeroMQ (ZMQ) messaging library. The custom REST API in this course uses ZMQ to communicate with the validator.

Poziom trudności



Certyfikaty:

Uczestnicy uzyskają **certyfikat** pozyskany przez **The Linux Foundation**.

Prowadzący:

Certyfikowany trener The Linux Foundation.

Informacje dodatkowe:

10-15 hours of course material

- No Video Content
- Discussion Forums
- Unlimited Access to Online Course
- Optional Paid Certificate of Completion