

LFS273 - Hyperledger Sawtooth Administration

Modality: On Demand

Duration: 10 Hours

Intro to Course:

This course is designed to offer an insight into installation, configuration, component lifecycle and information about authorization of HyperLedger Sawtooth Network.

To explain you in more detail, this course will enable you how to compose Hyperledger Sawtooth, what are the components on this network and what and how do they function, how you can integrate Hyperledger Sawtooth with Ubuntu 16.04 native installation and many more.

The basic design of this course is supplier & distribution-neutral, so, these ideas can be applied universally across the board.

You will be granted access to the full course for a complete year from the purchase date (or availability, in case of pre-order) irrespective of how quickly your course is completed. This course is designed in a way to complete within 10 hours (though this course is self-styled; means you can complete as fast as you can or as relaxed as you desire).

A linux System Administrator usually gets a pay of US \$ 93,000 per annum on an average.

Course Main Targets:

After completion of the course you will:

- Understand the roles of each component within Hyperledger Sawtooth.
- Be able to configure Hyperledger Sawtooth components
- Get clear concept of Validator Networks.
- Through topics such as consensus, you will be able to discuss the modularity within networks.
- Transaction processors etc.

Who needs to enroll?

- It is for you if you really are from Administrative and Developer background and wish to know more about how to administrate Hyperledger Sawtooth environment.

Main Requirement!

To get the best out of this course, you must have;

- Knowledge and understanding of foundational blockchain concepts.
- You have know-how of Linux system administration (strong hand on Command line).
- Knowledge of YAML/TOML markup languages.

- Full understanding of traditional HTTP Protocols & RESTful API design.
- Complete knowledge of Hyperledger Sawtooth components and its design and structure.

It is highly recommended that you should take “Blockchain for Business: An Introduction to Hyperledger Technologies (LFS171x) MOOC” first.

Course Outline:

- **Chapter 1. Course Introduction**
- **Chapter 2. Hyperledger Sawtooth**
- **Chapter 3. Hyperledger Sawtooth Binaries and Environments**
- **Chapter 4. Configuration**
- **Chapter 5. Validators**
- **Chapter 6. REST APIs**
- **Chapter 7. Consensus**
- **Chapter 8. Logging and Monitoring**
- **Chapter 9. Validator Networks**
- **Chapter 10. Permissioning and Identity**