

LFD271 - Hyperledger Fabric Fundamentals

Modality: On Demand

Duration: 25 Hours

About this course

As the name suggests, this course discusses the basics of Hyperledger Fabric. In this course, there will be an introduction on the basic concepts of blockchain and distributed ledger technologies. Afterwards, the course will then cover the key architecture and features of Hyperledger Fabric.

The learning specifics of this course are vendor-agnostic and distribution-agnostic. Hence, this will give you the margin as well as the opportunity for universal application of the learned skills.

The course will be available to you for an entire year, from the day of purchase, or in the case of preorders, availability, and will be accessible even if you finish the course early. The course hours are approximately 30-35 hours in total. The course has the feature of self-paced so you will be able to complete it at your own ease.

On average, a Blockchain engineer earns \$150,000 and \$175,000 per annum.

Learning objectives:

The course has the following learning objectives:

- Gaining comprehension of the ways of incorporating business logic in Hyperledger Fabric through chaincode (Hyperledger Fabric's smart contracts)
- Ways of analyzing the wide array of transaction types used to read from and write to the distributed ledger
- Ways in which your applications can elicit transactions using the Hyperledger Fabric Javascript SDK

Audience:

The course has been designed for and is suitable for Linux administrators.

Requirements:

In order to fully reap the benefits of this course, it is recommended that you fulfill these factors prior to starting the course. You should be having sound knowledge of the command line/shell of a Linux operating system. Also, you should be having the ability to read JavaScript and Golang.

To prepare for this course, it is recommended that you take the preparatory course, Blockchain for Business: An Introduction to Hyperledger Technologies (LFS171x).

Course Outline:

- **Course Introduction**
- **Chapter 1. Blockchain and Distributed Ledger Technology**
- **Chapter 2. Hyperledger Fabric**
- **Chapter 3. Hyperledger Fabric Transactions**
- **Chapter 4. Hyperledger Fabric Transactions – Full Cycle**
- **Chapter 5. Membership Services, MSPs, and Channels**