Training: The Linux Foundation
LFS272 Hyperledger Fabric Administration

THE LINUX FOUNDATION AUTHORIZED TRAINING PARTNER

TRAINING GOALS:

This course will provide system administrators a deeper understanding of the Hyperledger Fabric network and how to administer and interact with chaincode, manage peers, operate basic CA-level functions, and much more.

In this course you'll learn how to:

- Get a good understanding of the Hyperledger Fabric network topology
- Handle chaincode operations such as making chaincode packages accessible to peers, invoking and interacting with the chaincode logic from the CLI, and much more.
- Administer identities, provide permissions, revoke or remove malicious nodes from the network
- Troubleshoot network components by learning how and where to configure component logging
- Learn about service discovery and private data.

This course is designed to be vendor- and distribution-neutral, so you will be able to apply these concepts universally.

CONSPECT:

- Course Introduction
- Network Topology
- Chaincode Management
- Certificate Authorities (CAs)
- Diagnostics and Troubleshooting
- Service Discovery

REQUIREMENTS:

To best benefit from this course you should have:

- Knowledge of basic Linux system administration commands, and navigation
- Knowledge of bash basics
- Strong knowledge of containerization and Docker

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
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- Familiarity with NoSQL databases and general understanding of CouchDB
- Strong understanding of Hyperledger Fabric architecture and components. This means you should understand what ledgers are, and how they operate, the different types of network nodes (endorser, commiter, orderer, etc.). You should know what chaincode is, and its relevance to peers. Understand the purpose of a Certificate Authority and its identity administration.

We highly recommend that you first take the Blockchain for Business: An Introduction to Hyperledger Technologies (LFS171x) MOOC which is free to audit on edX.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by The Linux Foundation.

TRAINER:

Certified The Linux Foundation Trainer.

ADDITIONAL INFORMATION:

18-20 hours of self-course material.

Video Content.

12 Months of Access to Online Course.

Discussion Forums.

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