
Introduction to Blockchain and Ethereum

Duration: 1 Day Course Code: LO035429 Delivery Method: Virtual Learning

Overview:

Build distributed applications that resolve data ownership issues when working with transactions between multiple parties. Blockchain applications provide a single-shared ledger to eliminate trust issues involving multiple stakeholders. With the help of Introduction to Blockchain and Ethereum, you'll learn how to create distributed blockchain applications which do not depend on a central server or datacenter.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Introduction to Blockchain and Ethereum is ideal for you if you want to get to grips with blockchain technology and develop your own distributed applications with smart contracts written in Solidity.

Objectives:

- The course begins by explaining Bitcoin, Altcoins, and Ethereum, followed by taking you through distributed programming using the Solidity language on the Ethereum blockchain. By the end of this course, you'll be able to write, compile, and deploy your own smart contracts to the Ethereum blockchain
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Prerequisites:

Prior exposure to an object-oriented programming language such as JavaScript is needed, as you'll cover the basics before getting straight to work.

Content:

Lesson 1: Ethereum Blockchain

- Introducing the Ethereum Blockchain
- Cryptology and Keys
- Opening an Ethereum Account
- The Ethereum Network, Nodes, and Mining
- Transactions and Blocks
- Sending and Checking Transactions

Lesson 2: Learning Solidity?

- The Solidity Language
- Your First Smart Contract
- Basic Solidity
- Testing Solidity?

Lesson 3: Solidity Contracts

- Your First dApp
 - Using an Oracle
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Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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