Module Title   :   Blockchain Foundation

Duration   :   2 days

Overview

The industry-recognized CCC Blockchain Foundation provides various practical exercises that allow you to experience two of the most popular cryptocurrencies – Bitcoin and Ethereum. The course's exposure to real-life blockchain and crypto trading ensures the knowledge you gain is ready to be implemented.

Through Blockchain Trails, you will follow a guided path that helps you develop your knowledge through a series of short learning interventions. Every module comprises videos, animations, exciting quizzes/exercises, and downloadable study material. Participants can learn at their own pace, engaging with the media format that best fits their learning behavior. After completing all Trails, the participant is ready to take on and pass the Blockchain Foundation exam.

Once the certification exam is passed, you are awarded a diploma and digital badge officially recognizing you have achieved the CCC Blockchain Foundation certification and are now a member of the Cloud Credential Council's global community.

Target Audience

The following departments benefit from CCC Blockchain Foundation-certified professionals:

- Administrative/Management
- Finance & Accounting
- Legal
- Marketing & Sales
- Operations
- Research & Development
- Other

Prerequisites

Requirements involve having a basic understanding of the Internet and an open, curious mind.

Learning Objectives

- Understand the history and origin of blockchain.
- Explain the features and components of blockchain.
- Identify and explain different types of blockchain.
- Describe blockchain applications and uses cases.
- Explain the working of blockchain technology.
- Describe the concept of mining and how it is done.
- Give the overview of crypto economics and crypto trading.
- Enlist different types of cryptocurrencies.
- Explain the concept of Bitcoin and Ethereum.
- Explain Enterprise Ethereum Alliance and Hyperledger.

Exam details

Successfully passing (65%) the 60-minute exam, consisting of 40 multiple-choice questions, leads to the Blockchain Foundation Certification.

Course Outline

Module 1: Blockchain overview

1.1 Introduction to Blockchain

1.2 Understanding Blocks and Nodes

1.3 Components of Blockchain

1.4 Types of Blockchains

Module 2: Working of Blockchain Demystified

2.1 Working of Blockchain

2.2 Cryptography

2.3 Mining

Module 3: Cryptoeconomics

3.1 Overview of Cryptoeconomics

3.2 Crypto Trading

3.3 Ethereum

Module 4: Applications and Use Cases of Blockchain

4.1 Applications of Blockchain Technology

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Course Outline :: Blockchain Foundation::

4.2 Blockchain Use Cases

Module 5: Blockchain Consortiums

5.1 Consortiums

5.2 Enterprise Ethereum Alliance (EEA)

5.2 Hyperledger

Module 6: Future of Blockchain

6.1 Other Blockchain Frameworks

6.2 Way Forward