

R3 Corda Blockchain Training: CorDapps Development

Module 1: Introduction to R3 Corda

- Overview of Corda and Its Business Applications
- Comparison with Other Blockchain Platforms
- Key Features and Benefits of Corda

Module 2: Setting Up the Development Environment

- Installing Corda and Required Tools
- Configuring IntelliJ IDEA for CorDapp Development
- Exploring Corda Nodes and Network Simulator

Module 3: Corda Architecture and Components

- States, Contracts, and Flows: Core Concepts
- Understanding Vaults and Ledgers
- Corda's Unique Consensus Mechanism

Module 4: Developing CorDapps

- Writing and Deploying States and Contracts
- Implementing Business Logic with Flows
- Testing and Debugging CorDapps

Module 5: Advanced CorDapp Features

- Integrating with External Systems Using APIs
- Handling Exceptions and Error States in Flows
- Secure Data Sharing and Multi-Party Agreements

Module 6: Deploying and Managing Corda Networks

- Setting Up a Corda Test Network
- Deploying CorDapps on Production Networks
- Monitoring and Maintaining Network Performance

Module 7: Real-World Applications of Corda

- Case Studies: Finance, Supply Chain, and Healthcare
- Building Scalable Solutions with Corda
- Exploring the Corda Marketplace

Module 8: Capstone Project

- Designing a Custom CorDapp for a Business Use Case
- Implementing and Testing Application Features
- Deploying and Demonstrating the Solution

Key Features of R3 Corda Blockchain Training: CorDapps Development

- **Hands-On Development:** Learn to build, test, and deploy CorDapps using Java or Kotlin.
- **Comprehensive Curriculum:** Covers Corda's architecture, flows, contracts, and advanced features.
- **Focus on Enterprise Solutions:** Real-world use cases in finance, healthcare, and more.
- **Expert Guidance:** Insights into deploying and managing Corda networks.
- **Capstone Project:** Apply your knowledge to design and deploy a complete CorDapp.