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| IBM Blockchain |
| **2 days** |

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| **Introduction** | This Course provides introductory knowledge of Blockchain technology |
| **Learning Objectives** | * Getting familiar with Blockchain concepts along with the IBM Bluemix Platform |
| **Prerequisites** | * Basic knowledge of Go Language, Node.js, REST Protocol |
| **Hardware/**  **Software** | * Windows 8 * Go Language Environment * Node.js * Git for Windows * Cf-cli-installer * Need to have unrestricted N/W access |
| **Modules** |  | |
| **Module 1** | **What is Blockchain technology? : 3.5 Hours**   * Overview of Blockchain * BlockChain Terms and Concepts * key use cases of Blockchain for business * Different Blockchain fabrics | |
| **Module 2** | **IBM Bluemix Platform : 3 Hours**   * Deploying Application on Bluemix * Bluemix Integration with DevOps Service * IBM Blockchain service on Bluemix | |
| **Module 3** | **Hyperldger Project :2.5 Hours**   * Overview of Hyperledger Project * Architecture of Hyperleder | |
| **Module 4** | **Working with ChainCode : 3 Hours**   * What is Chaincode? * Writing Chaincode * Deploying/Invoking Chaincode on IBM Blockchain using REST API | |
| **Module 5** | **Writing and Deploying Client Applications to work with ChainCode : 3 Hours**   * Developing Client Application in Node.js   + Using ibm-blockchain-js/HFC SDK * Interacting with ChainCode using Node.js | |