Hands-On
IoT Solutions
with Blockchain

Build effective Blockchain and IoT solutions and discover various possibilities of convergence of IoT and Blockchain

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Hands-On IoT Solutions with Blockchain: Build effective Blockchain and IoT solutions and discover various possibilities of convergence of IoT and Blockchain

Integrate an end-to-end logistic chain using IBM Blockchain and IoT platformsKey FeaturesPractical execution of Ledger technology in IoT architecture.Protection guidelines for your sensible devicesBlockchain execution for end to end IoT SolutionsBook DescriptionBlockchain has been a hot subject in current scenario due to crypto-currencies. This book is also for IT specialists who want to start developing solutions using Blockchain and Internet of Points using IBM Cloud System.This book begins with a synopsis of the the web of Things concept in today's business scenario and quickly deep dive into helping you develop your own device on IBM Watson IoT platform and create your own first IoT solution using the platform and a Raspberry Pi. Works as a Cloud Garage area Architect, Max offers designed solutions using IBM Watson cognitive services, Internet of Things system, machine learning and cellular applications. Internet of stuff can be a hot subject and since Arduino, Raspberry Pi, and lots of other devices have flooded the marketplace, many people are in a position to create cheap products, even at home. Basic knowledge of IoT is definitely an added advantage. You'll then be able to develop your very own Blockchain network using the concepts from the previous chapter.About the AuthorEnio Moura can be an Enterprise Architect and works as Delivery Leader at IBM Cloud Sã The prior chapters may also be backed by a problem statement and actions to create your option architecture which can only help you create your own Blockchain and IoT integrated solution. The last set of chapters will deep dive in to the convergence of IoT and Blockchain technology and what its mixed solutions could lead to. Towards the finish of the book, you will learn the best practices and drivers required to develop a bulletproof Blockchain and IoT answer.What you would learnUnderstanding the key roles of Internet of Things in current marketUnderstanding the areas of IBM Watson IoT system and creating gadgets, gateways and applications linked to the platform.Learning the key concepts of Blockchain Defining an excellent Use Case pertaining to BlockchainUnderstanding Hyperledger Fabric / Composer FrameworkCreating an IBM Watson IoT software using a Raspberry Pi and integrating with IBM Blockchain platformWho This Book Is usually ForThis book is usually targeted towards IoT analyst, architects and engineers, or any kind of stakeholder who is in charge of security mechanism on an IoT infrastructure. Besides that, the financial market is looking for solutions to decrease operational costs and generate new business models and that is where Blockchain solutions possess fit. Next, you will learn on the subject of the Blockchain technology and its use cases and also understand how to work with the Hyperledger framework. The next set of chapters will concentrate on the execution of an end-to-end Blockchain solution with IoT using IBM Cloud platform.o Paulo Garage , provides 25 years of operational and consulting knowledge in IT Providers with large experience in Integration Program, Cloud Computing, Architecture Developing, Blockchain and Infrastructure Solutions with deep knowledge in Cloud Applications and Mobile phone solutions.Maximiliano Santos works seeing that Architect for IBM Cloud São Paulo Garage In his history experiences you will see complex software program architectures for banking, property, insurance, chemical and customer goods industries. Industries also look for the power of the gadgets but at an organizational level.

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