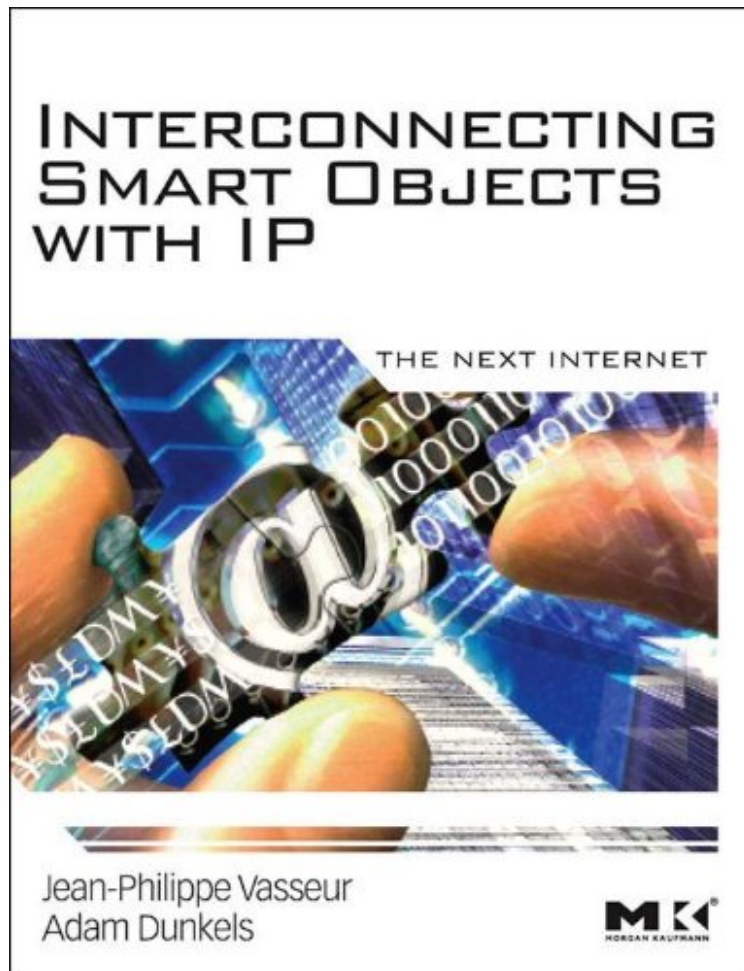


Interconnecting Smart Objects with IP: The Next Internet

Von Jean-Philippe Vasseur, Adam Dunkels
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Von Jean-Philippe Vasseur, Adam Dunkels : Interconnecting Smart Objects with IP: The Next Internet before purchasing it in order to gauge whether or not it would be worth my time, and all praised Interconnecting Smart Objects with IP: The Next Internet:

Kundenrezensionen Hilfreichste Kundenrezensionen 0 von 0 Kunden fanden die folgende Rezension hilfreich. Some of the best books tell you what you already know Von Bernie Many times a book is useful if you know the subject but want a different point of view or maybe some holes filled in, in your knowledge. This is one of those books. As with any subject the first chapter is a general over view of mostly TCP/IP and its derivatives. We see their function, strong points and weak. We get basic network concepts. They are simple enough for neophytes but may prove a bit boring to the average user. The book then breaks more into speculation than actual practical application. However you will get the practical part as you purchase the items. My vehicle's SYNC system is already proving an interesting challenge. It intercepted a phone number that was not on the list and asked if I wanted my complete contact list downloaded.

Meters, thermostats, and whatnots wait for you to tell them what to do or anticipate your wishes. You cannot let the air out of your tires without the car turning you in to the dealer for abuse. And everything is tied to your iPhone. In any event the book is well structured and can be used as a fundamental text book and future reference.

Kurzbeschreibung Interconnecting Smart Objects with IP: The Next Internet explains why the Internet Protocol (IP) has become the protocol of choice for smart object networks. IP has successfully demonstrated the ability to interconnect billions of digital systems on the global Internet and in private IP networks. Once smart objects can be easily interconnected, a whole new class of smart object systems can begin to evolve. The book discusses how IP-based smart object networks are being designed and deployed. The book is organized into three parts. Part 1 demonstrates why the IP architecture is well suited to smart object networks, in contrast to non-IP based sensor network or other proprietary systems that interconnect to IP networks (e.g. the public Internet of private IP networks) via hard-to-manage and expensive multi-protocol translation gateways that scale poorly. Part 2 examines protocols and algorithms, including smart objects and the low power link layers technologies used in these networks. Part 3 describes the following smart object network applications: smart grid, industrial automation, smart cities and urban networks, home automation, building automation, structural health monitoring, and container tracking. Shows in detail how connecting smart objects impacts our lives with practical implementation examples and case studies Provides an in depth understanding of the technological and architectural aspects underlying smart objects technology Offers an in-depth examination of relevant IP protocols to build large scale smart object networks in support of a myriad of new services

Pressestimmen "JP Vasseur and Adam Dunkels have written an important and timely guide to the rapidly developing field of smart technologies and the Internet. This book provides a clear picture of key technical issues that are useful to both the expert and layman. As we continue to build out the smart grid, the 'electric internet, ' I predict this book will become required reading for electric utility smart grid teams." - "David Mohler, Senior Vice President and Chief Technology Officer, Duke Energy " "As the CEO of my company, I have read it with pleasure and will transfer it to all engineers in my company in charge of developing IP V6 applications." "" "Paul Bertrand, Board member and founder of IPSO (IP for Smart Objects), Creator and Chairman at Watteco "" "The authors of this book offer a rich and thoughtful exploration of this new Internet canvas on which the 21st Century will unfold. Prediction will be hard; we are all just going to have to live through it to find out what happens!" "Vinton Cerf, Internet Pioneer" "This book is a very valuable source for researchers and practitioners interested in reading up on the Internet of Things and Smart Objects. It provides a comprehensive treatment to the architecture and networking of smart objects using IP as well as application domains that can greatly benefit from the technology. I highly recommend it."--"Dr. Feng Zhao, Assistant Managing Director, Microsoft Research Asia." "" "JP Vasseur and Adam Dunkels have written an important and timely guide to the rapidly developing field of smart technologies and the Internet. This book provides a clear picture of key technical issues that are useful to both the expert and layman. As we continue to build out the smart grid, the 'electric internet, ' I predict this book will become required reading for electric utility smart grid teams." - David Mohler, Senior Vice President and Chief Technology Officer, Duke Energy "As the CEO of my company, I have read it with pleasure and will transfer it to all engineers in my company in charge of developing IP V6 applications." - Paul Bertrand, Board member and founder of IPSO (IP for Smart Objects), Creator and Chairman at Watteco "The authors of this book offer a rich and thoughtful exploration of this new Internet canvas on which the 21st Century will unfold. Prediction will be hard; we are all just going to have to live through it to find out what happens!" - Vinton Cerf, Internet Pioneer "This book is a very valuable source for researchers and practitioners interested in reading up on the Internet of Things and Smart Objects. It provides a comprehensive treatment to the architecture and networking of smart objects using IP as well as application domains that can greatly benefit from the technology. I highly recommend it."--"Dr. Feng Zhao, Assistant Managing Director, Microsoft Research Asia."-JP Vasseur and Adam Dunkels have written an important and timely guide to the rapidly developing field of smart technologies and the Internet. This book provides a clear picture of key technical issues that are useful to both the expert and layman. As we continue to build out the smart grid, the 'electric internet, ' I predict this book will become required reading for electric utility smart grid teams.- - David Mohler, Senior Vice President and Chief Technology Officer, Duke Energy -As the CEO of my company, I have read it with pleasure and will transfer it to all engineers in my company in charge of developing IP V6 applications.- - Paul Bertrand, Board member and founder of IPSO (IP for Smart Objects), Creator and Chairman at Watteco -The authors of this book offer a rich and thoughtful exploration of this new Internet canvas on which the 21st Century will unfold. Prediction will be hard; we are all just going to have to live through it to find out what happens!- - Vinton Cerf, Internet Pioneer -This book is a very valuable source for researchers and practitioners interested in reading up on the Internet of Things and Smart Objects. It provides a comprehensive treatment to the architecture and networking of smart objects using IP as well as application domains that can greatly benefit from the technology. I highly recommend it.---"Dr. Feng Zhao, Assistant Managing Director, Microsoft Research Asia.

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