

1. Record Nr.	UNINA9910631082403321
Autore	Hirmer Pascal
Titolo	Model-Based Approaches to the Internet of Things // by Pascal Hirmer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031188848 9783031188831
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (134 pages)
Collana	Computer Science Series
Disciplina	354.81150006 004.678
Soggetti	Software engineering Internet of things Cloud computing Software Engineering Internet of Things Cloud Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Foundations -- Scenarios and Challenges -- Life Cycle of an IoT Application -- Model Based Approaches to the Internet of Things -- Discussion -- Conclusion and Summary.
Sommario/riassunto	This book gives an overview of existing models that cover the whole lifecycle of an IoT application, ranging from its design, implementation, deployment, operation, and monitoring to its final termination and retirement. Models provide abstraction and can help IoT application developers into creating more robust, secure, and reliable applications. Furthermore, adaptation of applications can be eased by using these models, leading to an increased dynamic of the developed IoT applications. In the book, research of the last years in the area of model based approaches to the Internet of Things is described and these approaches are incorporated into the lifecycle of IoT applications. Finally, use cases from different domains are introduced that show how these models could be applied in real-world applications.

