1.	Record Nr.	UNINA9910741318703321
	Autore	Goundar Sam
	Titolo	Edge Computing : Technology, Management and Integration / / Sam Goundar
	Pubbl/distr/stampa	London : , : IntechOpen, , 2023
	ISBN	1-83768-862-1
	Descrizione fisica	1 Online-Ressource (258 pages)
	Disciplina	005.758
	Soggetti	Edge computing Distributed databases
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Sommario/riassunto	Over the years, computing has moved from centralized location-based computing to distributed cloud computing. Because of cloud computing's security, regulatory, and latency issues, it was necessary to move all computation processes to the edge of the network (edge computing). However, at the edge, traditional computing devices no longer exist on their own. They have been joined by millions of mobile, Internet of Things (IoT), and smart devices, all needing computation. Therefore, edge computing infrastructure is necessary for multiple devices at the edge of the network. This book explores various technologies that make edge computing possible and how to manage computing at the edge and integrate it with existing networks and 5G networks of the future. It investigates the current state-of-the-art infrastructure and architecture and highlights advances and future trends. Security and privacy become a concern when you compute at the edge because the data needs to travel across various network nodes and user devices at the edge. As such, this book also discusses the management of security, privacy, and other network issues.