# Learn Entity Framework Core 2 0 Efc2 Using Asp Net Core

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model map and access data effectively with entity framework core 2 the latest evolution of microsoft s object relational mapping framework that allows developers to access data using net objects and the most common data access layer used in asp net core mvc 2 projects best selling author adam freeman explains how to get the most from entity framework core 2 in mvc projects he begins by

describing the different ways that entity framework core 2 can model data and the different types of databases that can be used he then shows you how to use entity framework core 2 in your own mvc projects starting from the nuts and bolts and building up to the most advanced and sophisticated features going in depth to give you the knowledge you need what you II learn gain a solid architectural understanding of entity framework core 2 learn how to create databases using your mvc data model learn how to create mvc models using an existing database learn how to use entity framework core 2 to access data in an mvc application learn how to use entity framework in restful services each topic is covered clearly and concisely and is packed with the details you need to learn to be truly effective the most important features are given a no nonsense in depth treatment and chapters include common problems and details of how to avoid them who this book is for this book is for asp net core mvc 2 developers who want to use entity framework core 2 as the data access layer in their projects

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reverse proxy style and approach more than just a technical manual this guide takes you through the most important technical facets of developing with these two hugely popular frameworks and then demonstrates how to put those skills into practice it s a book that recognizes that what s really important is the end product

the world economic forum regards the threat of cyber attack as one of the top five global risks confronting nations of the world today cyber attacks are increasingly targeting the core functions of the economies in nations throughout the world the threat to attack critical infrastructures disrupt critical services and induce a wide range of dam

learn how web applications can be built efficiently using aspinet core 20 and related frameworks about this book get to grips with the new features and apis introduced in aspinet core 2.0 leverage the mvc framework and entity framework core 2 to build efficient applications learn to deploy your web applications in new environments such as the cloud and docker who this book is for this book is for developers who would like to build modern web applications with aspinet core 2.0 no prior knowledge of aspinet or net core is required however basic programming knowledge is assumed additionally previous visual studio experience will be helpful but is not required since detailed instructions will guide through the samples of the book this book can also help people who work in infrastructure engineering and operations to monitor and diagnose problems during the runtime of aspinet core 2.0 web applications what you will learn set up your development environment using visual studio 2017 and visual studio code create a fully automated continuous delivery pipeline using visual studio team services get to know the basic and advanced concepts of asp net core 2 0 with detailed examples build an mvc web application and use entity framework core 2 to access data add apis to your web applications using rpc rest and hateoas authenticate and authorize users with built in aspinet core 2.0 features use azure amazon services and docker to deploy and monitor your applications in detail the ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses asp net core 20 is an open source framework from microsoft which makes it easy to build cross platform web applications that are modern and dynamic this book will take you through all of the essential concepts in aspinet core 2.0 so you can learn how to build powerful web applications the book starts with a brief introduction to the asp net core framework and the improvements made in the latest release asp net core 20 you will then build test and debug your first web application very quickly once you understand the basic structure of asp net core 2.0 web applications you II dive deeper into more complex concepts and scenarios moving on we II explain how to take advantage of widely used frameworks such as model view controller and entity framework core 2 and you II learn how to secure your applications finally we II show you how to deploy and monitor your applications using azure aws and docker after reading the book you II be able to develop efficient and robust web applications in aspinet core 2.0 that have high levels of customer satisfaction and adoption style and approach start an exciting journey to building high performance web applications using aspinet core 20 and myc

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learn how to leverage the features of the new entity framework core apis and use them to build pure net core applications about this book learn how to effectively manage your database to make it more productive and maintainable write simplified queries using linq to acquire the desired data easily raise the abstraction level from data to objects so teams can function independently resulting in easily maintainable codewho this book is forthis book is for net core developers who would like to integrate ef core in their application prior knowledge of net core and c is assumed what you will learn create databases and perform crud operations on them understand and build relationships related to entities keys and properties understand in built custom and remote validation both client and server side you will learn to handle concurrency to build responsive applications you will handle transactions and multi tenancy while also improving performancein detailbeing able to create and maintain data oriented applications has become crucial in modern programming this is why microsoft came up with entity framework so architects can optimize storage requirements while also writing efficient and maintainable application code

this book is a comprehensive guide that will show how to utilize the power of the entity framework to build efficient net core applications it not only teaches all the fundamentals of entity framework core but also demonstrates how to use it practically so you can implement it in your software development the book is divided into three modules the first module focuses on building entities and relationships here you will also learn about different mapping techniques which will help you choose the one best suited to your application design once you have understood the fundamentals of the entity framework you will move on to learn about validation and querying in the second module it will also teach you how to execute raw sql queries and extend the entity framework to leverage query objects using the query object pattern the final module of the book focuses on performance optimization and managing the security of your application you will learn to implement failsafe mechanisms using concurrency tokens the book also explores row level security and multitenant databases in detail by the end of the book you will be proficient in implementing entity framework on your net core applications style and approachthis book is filled with various examples that will help you use entity framework core 2 0 to write efficient software

in today s highly globalized and regulated economy private and public organizations face myriad complex laws and regulations a process designed to detect and prevent regulatory compliance failures is vital however such an effective process cannot succeed without development and maintenance of a strong compliance and legal risk management culture this wide ranging handbook pulls together work from experts across universities and industries around the world in a variety of key disciplines such as law management and business ethics it provides an all inclusive resource specifying what needs to be known and what needs to be further pursued in these developing areas with no such single text currently available the book fills a gap in our current understanding of legal risk management regulatory compliance and ethics offering the potential to advance research efforts and enhance our approaches to effective legal risk management practices edited by an expert on legal risk management this book is an essential reference for students researchers and professionals with an interest in business law risk management strategic management and business ethics

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programs appreciated and supported by the organization capable of industry peer award winning recognition enhance cybersecurity maturity gain confidence by senior management and avoid pitfalls the book is a comprehensive soup to nuts book enabling security leaders to effectively protect information assets and build award winning programs by covering topics such as developing cybersecurity strategy emerging trends and technologies cybersecurity organization structure and reporting models leveraging current incidents security control frameworks risk management laws and regulations data protection and privacy meaningful policies and procedures multi generational workforce team dynamics soft skills and communicating with the board of directors and executive management the book is valuable to current and future security leaders as a valuable resource and an integral part of any college program for information cybersecurity

in an era of digital transformation where cyberspace forms the backbone of global connectivity and commerce network security essentials stands as a definitive resource for mastering the art and science of safeguarding digital infrastructures this book meticulously bridges foundational principles with advanced techniques equipping readers to anticipate mitigate and counteract evolving cybersecurity threats covering the full spectrum of network security from cryptographic foundations to the latest innovations in artificial intelligence iot security and cloud computing the text integrates technical depth with real world applicability its multi layered approach enables readers to explore the intricacies of symmetric and asymmetric encryption threat modeling methodologies like stride and advanced threat detection frameworks such as nist and cobit by blending technical rigor with case studies and actionable strategies the book empowers its audience to address contemporary and emerging cyber risks comprehensively importance of the book to readers the significance of network security essentials lies in its ability to transcend conventional technical manuals positioning itself as an indispensable tool for building resilience in the face of modern cyber challenges it achieves this by offering comprehensive knowledge architecture this book provides an unparalleled understanding of network security fundamentals advanced cryptographic techniques and secure system design readers gain insight into topics such as transport layer security tls wireless network vulnerabilities and multi factor authentication empowering them to create robust and adaptable security frameworks real world relevance through detailed case studies the book illustrates the implications of high profile breaches and cyber incidents such as ransomware attacks and zero day exploits these examples contextualize theoretical concepts making them immediately applicable to real world scenarios strategic vision for emerging technologies with in depth discussions on the security implications of artificial intelligence cloud architectures and iot ecosystems the text prepares readers to address challenges posed by rapid technological evolution it equips professionals to secure systems at the cutting edge of innovation ensuring sustainability and resilience empowerment through proactive security this book underscores the importance of adopting a proactive security mindset readers are encouraged to think like attackers develop threat models and integrate privacy by design principles into their systems this strategic approach fosters a culture of resilience and adaptability in the face of dynamic threats professional advancement and leadership whether you are an it professional a security architect or a policy advisor this book provides the expertise needed to excel in roles that demand technical acumen and strategic foresight its holistic perspective bridges technical knowledge with organizational impact enabling

readers to lead in implementing security measures that protect critical digital assets a call to action network security essentials is not merely an academic text it is a manifesto for the modern cybersecurity professional it challenges readers to embrace the complexity of securing digital networks and offers them the tools to act decisively in the face of risk the book s ability to distill intricate technical concepts into practical strategies ensures its value across a wide spectrum of audiences from students to seasoned practitioners by mastering the contents of this book readers contribute to a safer more secure digital ecosystem protecting not only their organizations but the interconnected world at large network security essentials is more than a guide it is an imperative resource for shaping the future of cybersecurity

in an age defined by relentless technological innovation and global interconnectivity cybersecurity and privacy have emerged as imperatives for individuals organizations and nations safeguarding the digital frontier advanced strategies for cybersecurity and privacy offers a profound exploration of the complex and evolving cybersecurity landscape equipping readers with advanced knowledge actionable strategies and the foresight needed to navigate present and future challenges as our digital footprint expands so does our vulnerability to a spectrum of cyber threats from ransomware and phishing attacks to the looming challenges posed by quantum computing and ai driven exploits this book provides a comprehensive framework to address these threats emphasizing the importance of a proactive and layered approach to digital security it integrates foundational principles with cutting edge advancements creating a resource that is as educational for students and novices as it is transformative for seasoned professionals and policymakers key contributions of the book comprehensive coverage of cybersecurity threats from phishing and ransomware as a service raas to the ethical dilemmas posed by ai and deepfake technology this book delves into the tactics of modern cyber adversaries and the defenses required to counteract them effectively privacy centric paradigms recognizing the intrinsic value of personal data the book advocates for advanced privacy preserving techniques such as differential privacy data minimization and zero knowledge proofs readers are guided on how to safeguard their digital identities while adapting to an ever changing privacy landscape strategic frameworks for individuals and organizations detailed discussions on zero trust architecture zta multi factor authentication and incident response planning provide actionable blueprints for enhancing security resilience the book's practical guidance ensures that both individuals and enterprises can fortify their defenses effectively emerging technologies and future challenges the dual edged role of innovations like quantum computing blockchain and artificial intelligence is critically examined the book prepares readers to address the disruptive potential of these technologies while leveraging them for enhanced security global perspectives and policies by analyzing international cybersecurity trends regulations such as gdpr and the collaborative efforts needed to combat cybercrime the book situates cybersecurity within a broader geopolitical and societal context why this book matters the necessity of this book lies in its ability to empower readers with both knowledge and actionable tools to address the multifaceted challenges of cybersecurity students and educators will find a rich repository of concepts and case studies ideal for academic exploration professionals will benefit from its in depth analysis and practical frameworks enabling them to implement robust cybersecurity measures for

policymakers the book offers insights into creating resilient and adaptive digital infrastructures capable of withstanding sophisticated attacks at its core safeguarding the digital frontier emphasizes the shared responsibility of securing the digital world as cyber threats become more pervasive and sophisticated the book calls on readers to adopt a vigilant proactive stance recognizing that cybersecurity is not just a technical domain but a societal imperative it is a call to action for all stakeholders individuals enterprises and governments to collaborate in shaping a secure and resilient digital future

recent decades have seen a proliferation of cybersecurity guidance in the form of government regulations and standards with which organizations must comply as society becomes more heavily dependent on cyberspace increasing levels of security measures will need to be established and maintained to protect the confidentiality integrity and availability of information global perspectives on information security regulations compliance controls and assurance summarizes current cybersecurity guidance and provides a compendium of innovative and state of the art compliance and assurance practices and tools it provides a synopsis of current cybersecurity guidance that organizations should consider so that management and their auditors can regularly evaluate their extent of compliance covering topics such as cybersecurity laws deepfakes and information protection this premier reference source is an excellent resource for cybersecurity consultants and professionals it specialists business leaders and managers government officials faculty and administration of both k 12 and higher education libraries students and educators of higher education researchers and academicians

threat intelligence is a surprisingly complex topic that goes far beyond the obvious technical challenges of collecting modelling and sharing technical indicators most books in this area focus mainly on technical measures to harden a system based on threat intel data and limit their scope to single organizations only this book provides a unique angle on the topic of national cyber threat intelligence and security information sharing it also provides a clear view on ongoing works in research laboratories world wide in order to address current security concerns at national level it allows practitioners to learn about upcoming trends researchers to share current results and decision makers to prepare for future developments

with the influx of internet and mobile technology usage many medical institutions from doctor s offices to hospitals have implemented new online technologies for the storage and access of health data as well as the monitoring of patient health telehealth was particularly useful during the covid 19 pandemic which monumentally increased its everyday usage however this transition of health data has increased privacy risks and cyber criminals and hackers may have increased access to patient personal data medical staff and administrations must remain up to date on the new technologies and methods in securing these medical systems and records the research anthology on securing medical systems and records discusses the emerging challenges in healthcare privacy as well as the technologies methodologies and emerging research in securing medical systems and enhancing patient privacy it provides information on the implementation of these technologies as well as new avenues of medical security research covering topics such as biomedical imaging internet of things and

watermarking this major reference work is a comprehensive resource for security analysts data scientists hospital administrators leaders in healthcare medical professionals health information managers medical professionals mobile application developers security professionals technicians students libraries researchers and academicians

reading and storing data is a core part of any application and net developers want database access to be easy and intuitive entity framework core is a net library designed to simplify data persistence bridging the mismatch between the different structures of object oriented code and relational databases entity framework core in action teaches developers how to add database functionality to net applications with ef core purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications

imagine the boost in business if you can build large rich web applications with little code and built in windows authentication with this book you can gain skills to develop real world applications with asp net core 2 key features adopts the application centric approach to explain core concepts covers industry best practices to build flexible robust applications shows how to enhance your applications by adding more functionalities book description the book sets the stage with an introduction to web applications and helps you build an understanding of the tried and true mvc architecture you learn all about views from what is the razor view engine to tagging helpers you gain insight into what models are how to bind them and how to migrate database using the correct model as you get comfortable with the world of asp net you learn about validation and routing you also learn the advanced concepts such as designing rest buy a restful shopping cart application creating entities for it and creating ef context and migrations by the time you are done reading the book you will be able to optimally use asp net to develop unit test and deploy applications like a pro what you will learn work with basic programming constructs using the razor view engine use flexibility and data compartmentalization of viewmodel build a custom route for asp net mvc applications for seo optimize applications with performance analysis and improvement steps improve application performance security and data access to optimize the overall development process deploy an asp net mvc application in a non windows environment who this book is for if you are looking to build web applications using asp net core or you want to become a pro in building web applications using the microsoft technology this is the ideal book for you prior exposure and understanding of c javascript html and css syntax is assumed

presents a comparison of the three open source frameworks and how they can be used to create php sites

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