
Entity Framework Documentation

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Microsoft

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Entity Framework Core

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Getting Started

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2.1 Getting Started on Full .NET (Console, WinForms, WPF, etc.)

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2.1.1 Console Application to New Database

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2.1.2 Console Application to Existing Database (Database First)

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2.2 Getting Started on .NET Core (Windows, OSX, Linux, etc.)

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2.2.1 .NET Core Application to New SQLite Database

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2.3 Getting Started on ASP.NET Core

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2.3.1 ASP.NET Core Application to New Database

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2.3.2 ASP.NET Core Application to Existing Database (Database First)

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2.4 Getting Started on Universal Windows Platform (UWP)

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2.4.1 Local SQLite on UWP

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Creating a Model

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3.1 Including & Excluding Types

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3.3 Keys (primary)

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3.11 Alternate Keys

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3.12 Inheritance

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3.13 Backing Fields

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3.14 Relational Database Modeling

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3.14.1 Table Mapping

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3.14.2 Column Mapping

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3.14.3 Data Types

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3.14.4 Primary Keys

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3.14.5 Default Schema

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3.14.6 Computed Columns

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3.14.7 Sequences

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3.14.8 Default Values

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3.14.9 Indexes

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3.14.10 Foreign Key Constraints

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3.14.11 Alternate Keys (Unique Constraints)

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3.14.12 Inheritance (Relational Database)

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Querying Data

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4.1 Basic Query

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4.2 Loading Related Data

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4.4 Tracking vs. No-Tracking

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4.5 Raw SQL Queries

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4.6 How Query Works

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Saving Data

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5.1 Basic Save

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5.2 Related Data

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5.3 Cascade Delete

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EF Core vs. EF6.x

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6.1 Which One Is Right for You

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6.2 Feature Comparison

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6.3 Porting from EF6.x to EF Core

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6.3.1 Ensure EF Core Will Work for Your Application

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6.3.2 Porting an EDMX-Based Model (Model First & Database First)

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6.3.3 Porting a Code-Based Model (Code First & Code First to Existing Database)

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6.4 EF6.x and EF Core in the Same Application

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Database Providers

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7.1 Microsoft SQL Server

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7.2 SQLite

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7.2.1 SQLite Limitations

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7.3 Npgsql (PostgreSQL)

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7.4 MySQL (Official)

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7.5 Pomelo (MySQL)

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7.6 Microsoft SQL Server Compact Edition

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7.7 IBM Data Servers

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7.8 InMemory (for Testing)

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7.9 Devart (MySQL, Oracle, PostgreSQL, SQLite, DB2, SQL Server, and more)

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7.10 Oracle (Coming Soon)

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Miscellaneous

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8.1 Connection Strings

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8.2 Logging

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8.4 Configuring a DbContext

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8.6 Upgrading from RC2 to RTM

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8.7 Command Line Reference

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8.7.1 Package Manager Console (Visual Studio)

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8.7.2 .NET Core CLI

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8.8 Internals

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8.8.1 Writing a Database Provider

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8.8.2 Understanding EF Services