

# Entity Framework Core Performance Tuning A Worked

Entity Framework Core Performance Tuning A Worked Entity Framework Core Performance Tuning A Worked Example I Briefly introduce Entity Framework Core EF Core and its advantages Highlight the importance of performance optimization for efficient applications Set the stage for a practical worked example scenario II Understanding Performance Bottlenecks Common EF Core performance issues Excessive database calls Inefficient queries Improper data fetching strategies Unnecessary tracking and change tracking Diagnostic Tools SQL Server Profiler EF Core logging Performance counters Example Scenario Introduce a hypothetical application with a specific performance problem Clearly define the performance goal and the current bottleneck III Performance Tuning Strategies 1 Query Optimization Use efficient query syntax LINQ queries raw SQL and stored procedures Optimize query conditions Filter effectively use indexes and consider projections Utilize IncludeThenInclude Reduce database round trips by fetching related data in one shot Leverage QueryableAsNoTracking Turn off change tracking for readonly scenarios Implement custom queries Use raw SQL or stored procedures when LINQ doesnt offer sufficient flexibility 2 Data Fetching Strategies Efficient data loading Avoid loading unnecessary data 2 Use lazy loading wisely Consider its impact on performance and memory usage Implement eager loading Preload related data for better performance Utilize ToList and ToArray Materialize query results for optimized processing Track changes strategically Minimize change tracking overhead for readonly scenarios 3 Other Performance Enhancements Proper database design Optimize database schema for efficient querying Caching Implement caching strategies to avoid repeated database calls Asynchronous operations Utilize asyncawait for improved responsiveness Consider EF Core configuration Optimize connection strings and concurrency settings IV Worked Example StepbyStep Solution Detailed analysis of the example scenarios bottlenecks Implementation of specific performance optimization strategies Code examples demonstrating the changes and improvements Performance comparison before and after optimization V Conclusion Recap the performance tuning strategies discussed Emphasize the importance of continuous performance monitoring and analysis Offer further resources for indepth exploration VI Resources Useful links to EF Core documentation blogs and articles Links to performance tuning tools and best practices

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fine tuning

fine tuning

tuning a camera is a multistep process you have to measure the camera s intrinsic performance characteristics decide what you want your final images to look like and then determine how to

um projecto tuning completo deve contemplar pelo menos alguns componentes do interior de um autom vel vamos focar os mais in nas fotos seguintes apresentam se algumas imagens

dicas e informa  o para o tuning motor de um carro os principais componentes que podem ser alterados turbo intercooler compressor e muito mais

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