






SWETUGG  
GÖTEBORGG

# What is new in .NET 8 and C# 12

Johnny Hooyberghs

# Here's Johnny!

The logo for 'involved' features three small colored circles (teal, red, purple) above the word 'involved' in a bold, dark blue sans-serif font.

-  Johnny Hooyberghs
-  @djohnnieke
-  johnny.hooyberghs@involved.be



**Microsoft®**  
Most Valuable  
Professional

- Passionate Developer
- Principal Software Consultant/Architect (.NET)
- Microsoft MVP, Developer Technologies
- Operational Manager at Involved





# What is new in .NET 8

- Native AOT
- Random Utilities
- System.Text.Json Additions
- Performance-Focused Types
- Extended Data Annotations
- Simplified Output Path
- Time Abstraction
- Stream-Based ZipFile
- SHA-3 Support
- Keyed Dependency Injection
- Data Protection
- WPF Hardware Rendering on RDP
- WPF OpenFolderDialog
- Configuration Binder Source Generator
- ...



# What is new in C# 12

- Default values for Lambda Expressions
- Primary Constructors
- Using directives for Additional Types
- nameof for Instance Members
- Collection Expressions
- Inline Arrays
- Interceptors
- ...





# What is new in ASP.NET 8

- Blazor Auto
- Identity API Endpoints
- Minimal API Form Binding
- ...



[github.com/Djohnnie/DotNet8-Swetugg-Stockholm-2024](https://github.com/Djohnnie/DotNet8-Swetugg-Stockholm-2024)



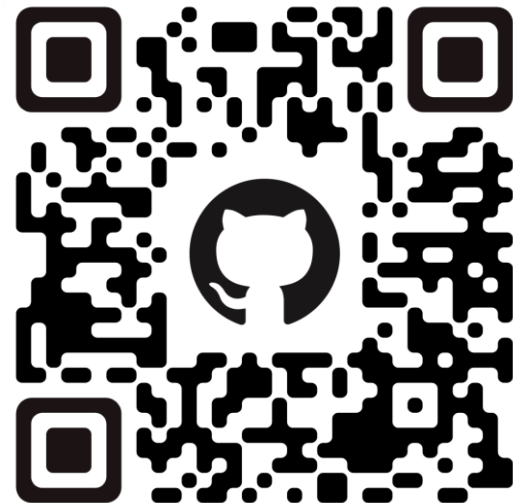
# What is new in EF 8




- Raw SQL for Unmapped Queries
- Lazy-Loading No-Tracking Queries
- DateOnly and TimeOnly support for SQL Server
- JSON Column support for SQLite
- HierarchyId Support for SQL Server
- Numeric RowVersions for SQL Server
- Improved ExecuteUpdate and ExecuteDelete
- Sentinel Values and Database Defaults
- Complex Types as Value Objects
- ...



# Thank you!

Questions?



-  Johnny Hooyberghs
-  @djohnnieke
-  johnny.hooyberghs@involved.be

