

# Leveling Up: Dependency Injection in .NET

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# Schedule

- 9:00 a.m. Workshop Begins
- 10:00 a.m. BREAK (10 min.)
- 11:00 a.m. BREAK (10 min.)
- 12:00 p.m. LUNCH (60 min.)
- 1:00 p.m. Workshop Resumes
- 2:00 p.m. BREAK (10 min.)
- 3:00 p.m. BREAK (10 min.)
- 4:00 p.m. Workshop Ends

All Times are Eastern Daylight Time

# Today's Agenda

- Overview
  - What is it?
  - Why do we care?
  - How do we use it?
- Lab
- A Closer Look at DI
  - Dimensions of DI
  - SOLID Principles
  - Tips

# Today's Agenda

- Patterns and Abstractions
  - DI Patterns
  - Other useful Design Patterns
- Lab
- Common Stumbling Blocks
  - Constructor Over-  
Injection
  - Static Dependencies
  - IDisposable

# Today's Agenda

- DI Containers
  - Lifetime
  - Configuration
  - Stable vs. Volatile Dependencies
  - DI Container Overview
- Lab

# Lab File Location

[https://github.com/jeremybytes/  
di-dotnet-workshop-2022](https://github.com/jeremybytes/di-dotnet-workshop-2022)

## Lab Requirements:

- Visual Studio Code or Visual Studio 2022
- .NET 6.0 SDK

Labs will work with Windows, Mac, and Linux