Level Up Sessie .NET 6

[What's new in .NET 6 | Microsoft Docs](https://docs.microsoft.com/nl-nl/dotnet/core/whats-new/dotnet-6)

[Update on .NET Hot Reload progress and Visual Studio 2022 Highlights](https://devblogs.microsoft.com/dotnet/update-on-net-hot-reload-progress-and-visual-studio-2022-highlights/)

[What's new in .NET 6 | Microsoft Docs](https://docs.microsoft.com/nl-nl/dotnet/core/whats-new/dotnet-6)

[Use HTTP/3 with HttpClient | Microsoft Docs](https://docs.microsoft.com/nl-nl/dotnet/core/extensions/httpclient-http3)

[What's new in ASP.NET Core 6.0 | Microsoft Docs](https://docs.microsoft.com/en-us/aspnet/core/release-notes/aspnetcore-6.0?view=aspnetcore-6.0)

## Microsoft.Extensions APIs

Several extensions namespaces have improvements in .NET 6, as the following table shows.

| **MICROSOFT.EXTENSIONS APIS** | |
| --- | --- |
| **Namespace** | **Improvements** |
| [Microsoft.Extensions.DependencyInjection](https://docs.microsoft.com/en-us/dotnet/api/microsoft.extensions.dependencyinjection) | [CreateAsyncScope](https://docs.microsoft.com/en-us/dotnet/api/microsoft.extensions.dependencyinjection.serviceproviderserviceextensions.createasyncscope) lets you safely use a using statement for a service provider that registers an [IAsyncDisposable](https://docs.microsoft.com/en-us/dotnet/api/system.iasyncdisposable) service. |
| [Microsoft.Extensions.Hosting](https://docs.microsoft.com/en-us/dotnet/api/microsoft.extensions.hosting) | New [ConfigureHostOptions](https://docs.microsoft.com/en-us/dotnet/api/microsoft.extensions.hosting.hostinghostbuilderextensions.configurehostoptions) methods simplify application setup. |
| [Microsoft.Extensions.Logging](https://docs.microsoft.com/en-us/dotnet/api/microsoft.extensions.logging) | [Microsoft.Extensions.Logging](https://docs.microsoft.com/en-us/dotnet/api/microsoft.extensions.logging) has a new source generator for performant logging APIs. The source generator is triggered if you add the new [LoggerMessageAttribute](https://docs.microsoft.com/en-us/dotnet/api/microsoft.extensions.logging.loggermessageattribute) to a partial logging method. At compile time, the generator generates the implementation of the partial method, which is typically faster at run time than existing logging solutions. For more information, see [Compile-time logging source generation](https://docs.microsoft.com/nl-nl/dotnet/core/extensions/logger-message-generator). |

[Enumerable.SingleOrDefault Method (System.Linq) | Microsoft Docs](https://docs.microsoft.com/en-us/dotnet/api/system.linq.enumerable.singleordefault#system-linq-enumerable-singleordefault-1(system-collections-generic-ienumerable((-0))-system-func((-0-system-boolean))-0))

[Date, Time, and Time Zone Enhancements in .NET 6 - .NET Blog](https://devblogs.microsoft.com/dotnet/date-time-and-time-zone-enhancements-in-net-6/)

[NuGet Gallery | FluentAssertions 6.3.0](https://www.nuget.org/packages/FluentAssertions/)

[Announcing .NET 6 - The Fastest .NET Yet - .NET Blog](https://devblogs.microsoft.com/dotnet/announcing-net-6/)

[Breaking changes in .NET 6 - .NET | Microsoft Docs](https://docs.microsoft.com/nl-nl/dotnet/core/compatibility/6.0?toc=/dotnet/fundamentals/toc.json&bc=/dotnet/breadcrumb/toc.json)

Verwijzingen

(2022). *Breaking changes in .NET 6.*  microsoft.com. https://docs.microsoft.com/nl-nl/dotnet/core/compatibility/6.0?toc=/dotnet/fundamentals/toc.json&bc=/dotnet/breadcrumb/toc.json

(2021). *Date, Time, and Time Zone Enhancements in .NET 6.*  microsoft.com. https://devblogs.microsoft.com/dotnet/date-time-and-time-zone-enhancements-in-net-6/

Enumerable.SingleOrDefault Method (System.Linq) | Microsoft Docs

(2021). *Announcing .NET 6 — The Fastest .NET Yet.*  microsoft.com. https://devblogs.microsoft.com/dotnet/announcing-net-6/

NuGet Gallery | FluentAssertions 6.3.0

(2021). *Update on .NET Hot Reload progress and Visual Studio 2022 Highlights.*  microsoft.com. https://devblogs.microsoft.com/dotnet/update-on-net-hot-reload-progress-and-visual-studio-2022-highlights/

(2021). *Use HTTP/3 with HttpClient.*  microsoft.com. https://docs.microsoft.com/nl-nl/dotnet/core/extensions/httpclient-http3

(2021). *What's new in .NET 6.*  microsoft.com. https://docs.microsoft.com/nl-nl/dotnet/core/whats-new/dotnet-6

(2022). *What's new in ASP.NET Core 6.0.*  microsoft.com. https://docs.microsoft.com/en-us/aspnet/core/release-notes/aspnetcore-6.0?view=aspnetcore-6.0