

## Twitter Thread by [Oleg Kyrylchuk](#)



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**A thread of System.Text.Json features in the .NET 6. ■**

**Retweets are appreciated ■■**

**#dotnet6 #coding #devcommunity #json #programming**

Ignore circular references.

<https://t.co/2sAx2HNZDc>

In .NET 5, you can preserve references for circular references using System.Text.Json.

But you couldn't ignore them. The 'JsonException' is thrown if circular references have been detected.

In .NET 6, you can ignore them [\U0001f642#dotnet6 #json #coding #devcommunity pic.twitter.com/FnvR8gjwvN](#)

— Oleg Kyrylchuk (@okyrylchuk) [October 6, 2021](#)

Notifications for (de)serialization.

<https://t.co/1EyOaF4p3q>

In .NET 6, System.Text.Json exposes notifications for (de)serialization.

There are four new interfaces to implement according to your needs:

[\u2022 IJsonOnDeserialized](#)

[\u2022 IJsonOnDeserializing](#)

[\u2022 IJsonOnSerialized](#)

[\u2022 IJsonOnSerializing#dotnet6 #json #coding #devcommunity pic.twitter.com/iYpzHsg8Hy](#)

— Oleg Kyrylchuk (@okyrylchuk) [October 7, 2021](#)

Serialization order of properties.

<https://t.co/Y6XyaWLqAR>

In .NET 6, the 'JsonPropertyOrderAttribute' has been added to System.Text.Json.

It allows controlling the serialization order of properties.

Previously, the serialization order was determined by reflection order. [#dotnet6 #json #coding #devcommunity pic.twitter.com/5sBJRW0vcX](#)

— Oleg Kyrylchuk (@okyrylchuk) [October 8, 2021](#)

Write raw JSON with Utf8JsonWriter.

<https://t.co/nvHyJtnLPM>

.NET 6 introduces the possibility to write 'raw' [#json](#) with System.Text.Json.Utf8JsonWriter.

Useful when you want:

↳ to enclose existing JSON in new JSON

↳ to format values differently from the default formatting [#dotnet6 #coding #devcommunity pic.twitter.com/NguR3wEOAM](#)

— Oleg Kyrylchuk (@okyrylchuk) [October 16, 2021](#)

IAsyncEnumerable support.

<https://t.co/iBjgBXEX6U>

In .NET 6, System.Text.Json supports 'IAsyncEnumerable'.

The serialization of 'IAsyncEnumerable' transforms it into an array.

For deserialization of root level JSON Arrays, the 'DeserializeAsyncEnumerable' method has been added. [#dotnet6 #json #coding #devcommunity pic.twitter.com/Dnc4uU3AbJ](#)

— Oleg Kyrylchuk (@okyrylchuk) [October 19, 2021](#)

Serialize and deserialize JSON data to/from a stream.

<https://t.co/cN0M9DIEEp>

You couldn't serialize and deserialize JSON data to/from a stream using System.Text.Json in .NET 5.

But in .NET 6, you can do that [U0001f642#dotnet6 #json #coding #devcommunity pic.twitter.com/FmiBY4FREL](#)

— Oleg Kyrylchuk (@okyrylchuk) [October 20, 2021](#)

Work with JSON like a DOM.

<https://t.co/bvf2Zq8un7>

.NET 6 provides types for handling an in-memory writeable document object model (DOM) for random access of the JSON elements within a structured view of data.

New types:

\u2022 JsonArray

\u2022 JsonNode

\u2022 JsonObject

\u2022 JsonValue [#dotnet6](#) [#json](#) [#coding](#) [#devcommunity](#) [pic.twitter.com/pAUIAKV1g](https://pic.twitter.com/pAUIAKV1g)

— Oleg Kyrylchuk (@okyrylchuk) [October 21, 2021](#)