Built-in JSON Support

Matt Honeycutt
HEROIC CONSULTING

@matthoneycutt www.trycatchfail.com

Overview

Introduction to the System.Text.Json namespace

Reading JSON data

- With Utf8JsonReader
- With JsonDocument

Writing JSON data

Using JsonSerializer

Why Do We Need New JSON APIs?

JSON.NET: the standard

Versioning woes

"Library A needs version 11, but ASP.NET only supports version 10..."

"Version 12 has a new feature I want, but ASP.NET doesn't support 12 yet!"

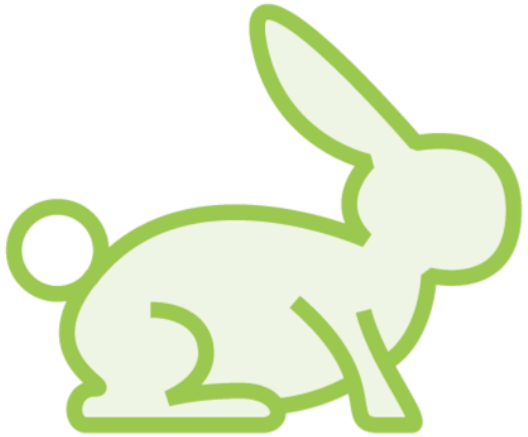
Introducing System.Text.Json

Fast!

Low-allocation

Not as feature-rich

Introducing System.Text.Json



Fast!

Low-allocation

Not as feature-rich

You do not have to upgrade!

... but you should if you can!

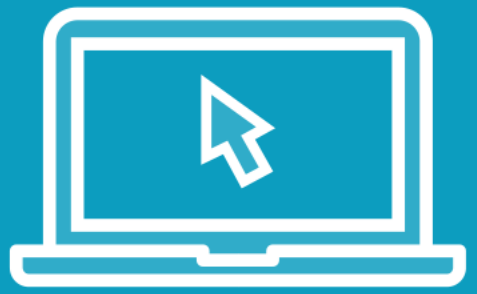
Demo

Reading JSON data with Utf8JsonReader

Demo

Using JsonDocument

Demo



Writing JSON data with Utf8JsonWriter

Demo

Serializing and deserializing with JsonSerializer

Summary

Utf8JsonReader – *fast*, low-level reading

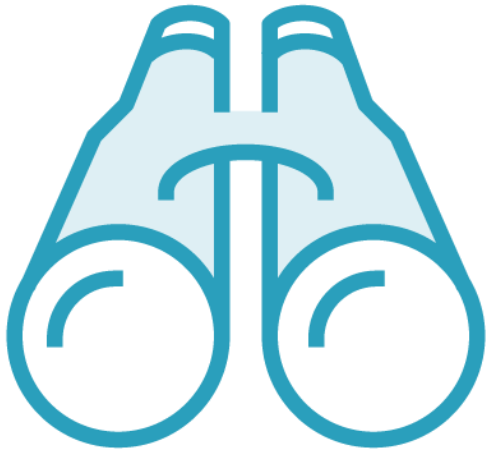
Utf8JsonWriter – *fast*, low-level writing

JsonDocument – *fast*, DOM-based

JsonSerializer – *fast*, serialize/deserialize classes

JSON.NET is still supported!

Up Next



Windows desktop support