

How to decode QR code with JSON in C# with ByteScout BarCode Reader SDK

Tutorial on how to decode QR code with JSON in C#

The sample shows steps and algorithm of how to decode QR code with JSON and how to make it work in your C# application. ByteScout BarCode Reader SDK is the SDK for barcode decoding. Can read all popular types from Code 128, GS1, UPC and Code 39 to QR Code, Datamatrix, PDF417. Images, pdf, TIF images and live web camera are supported as input. Designed to handle documents with noise and defects. Includes optional splitter and merger for pdf and tiff based on barcodes. Batch mode is optimized for high performance with multiple threads. Decoded values can be exported to XML, JSON, CSV or into custom data format. It can be used to decode QR code with JSON using C#.

This code snippet below for ByteScout BarCode Reader SDK works best when you need to quickly decode QR code with JSON in your C# application. In order to implement the functionality, you should copy and paste this code for C# below into your code editor with your app, compile and run your application. Code testing will allow the function to be tested and work properly with your data.

Our website provides trial version of ByteScout BarCode Reader SDK for free. It also includes documentation and source code samples.

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Source Code Files:

DecodeQRCodeWithJSON.sln

```
Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 15
VisualStudioVersion = 15.0.27703.2026
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "DecodeQRCodeWithJSON", "DecodeQRCodeWithJSON.csproj", "DecodeQRCodeWithJSON.sln"
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {99735776-2956-463D-9795-EBCE16928C30}.Debug|Any CPU.ActiveCfg = Debug|Any CPU
        {99735776-2956-463D-9795-EBCE16928C30}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {99735776-2956-463D-9795-EBCE16928C30}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {99735776-2956-463D-9795-EBCE16928C30}.Release|Any CPU.Build.0 = Release|Any CPU
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
    GlobalSection(ExtensibilityGlobals) = postSolution
        SolutionGuid = {3ABE3EEF-B212-4E8B-9A74-67A52FD333AC}
    EndGlobalSection
EndGlobal
```

Program.cs

```
using System;
using Bytescout.BarCodeReader;

namespace DecodeQRCodeWithJSON
{
    class Program
    {
        static void Main(string[] args)
        {
            try
            {
                // Create and activate Bytescout.BarCodeReader.Reader instance
                using (Reader reader = new Reader("demo", "demo"))
                {
                    // Set barcode type to find
                    reader.BarcodeTypesToFind.QRCode = true;
                }
            }
        }
    }
}
```

```
/* -----  
NOTE: We can read barcodes from specific page to increase performance  
For sample please refer to "Decoding barcodes from PDF by pages" page  
-----  
  
// Read barcodes  
FoundBarcode[] barcodes = reader.ReadFrom("qr_code_with_json.png")  
  
foreach (FoundBarcode code in barcodes)  
    Console.WriteLine("Found barcode with type '{0}' and value '{1}'  
    }  
}  
catch (Exception ex)  
{  
    Console.WriteLine(ex.Message);  
}  
  
Console.WriteLine();  
Console.WriteLine("Press any key to exit...");  
Console.ReadLine();  
}  
}
```

VIDEO

<https://www.youtube.com/watch?v=EARS PJFIJMU>

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