

Forum:[Hack Forums](#)

Thread: [Parsing JSON with VB.NET and Newtonsoft.Json \[HELP PLS\]](#)

outlaw - November 25, 2020, 9:03 am

I'm getting back into programming after several years of being out of it (basically a skid all over again fml)

Title says it all really, I'm trying to parse JSON data but I keep getting errors and I'm not sure where I'm going wrong. Any help would be much appreciated. It's grabbing the data but erroring when trying to parse

I know I'm probably being extremely stupid somewhere but I just can't figure out what's going wrong for the life of me

```
Code Imports System.IO
Imports System.Net
Imports System.Xml
Imports Newtonsoft.Json
Imports Newtonsoft.Json.Linq
```

```
Public Class Form1
    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    End Sub
```

```
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Dim request As HttpWebRequest
        Dim response As HttpWebResponse = Nothing
        Dim reader As StreamReader
```

```
        Try
```

```
            request = DirectCast(WebRequest.Create("http://api.com/json/" + txtAPI.Text),
HttpWebRequest)
```

```
            response = DirectCast(request.GetResponse(), HttpWebResponse)
```

```
            reader = New StreamReader(response.GetResponseStream())
```

```
            Dim rawresp As String
```

```
            rawresp = reader.ReadToEnd()
```

```
            Dim json As String = rawresp
```

```
            Dim jsonObject As Newtonsoft.Json.Linq.JObject =
Newtonsoft.Json.Linq.JObject.Parse(json)
```

```
            Dim jsonArray As JArray = jsonObject("status")
```

```
            For Each item As JObject In jsonArray
```

```
                txtCountry.Text = item.SelectToken("country").ToString
```

```
            Next
```

```
        Catch ex As Exception
```

```
MsgBox(ex.ToString)
Clipboard.SetText(ex.ToString)
Finally
    If Not response Is Nothing Then response.Close()
End Try
End Sub
End Class
I get the following error:
```

System.InvalidCastException: Unable to cast object of type 'Newtonsoft.Json.Linq.JValue' to type 'Newtonsoft.Json.Linq.JArray'.
at Form1.Button1_Click(Object sender, EventArgs e) in \Form1.vb:line 28

neon_light - November 25, 2020, 9:58 am

It would be helpful if you posted the actual JSON payload that you are trying to parse :)
My guess would be that since you are iterating over the jsonArray and trying to get the token "test", that not every item in this array has such a token called "test", so calling the .ToString method on it would give you a System.NullReferenceException

outlaw - November 25, 2020, 10:17 am

(Nov 25, 2020 10:58 AM)neon_light Wrote: [\[CITE\]](#) It would be helpful if you posted the actual JSON payload that you are trying to parse :)
My guess would be that since you are iterating over the jsonArray and trying to get the token "test", that not every item in this array has such a token called "test", so calling the .ToString method on it would give you a System.NullReferenceException
I'm no longer getting the NullReference error, but I am now getting this one >.>

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PM for the JSON payload

neon_light - November 25, 2020, 10:24 am

(Nov 25, 2020 11:17 AM)outlaw Wrote: [\[CITE\]](#) I'm no longer getting the NullReference _error_, but I am now getting this one >.>

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at Form1.Button1_Click(Object sender, EventArgs e) in \Form1.vb:line 28

PM for the JSON payload

My recommendation is to just parse the JSON string into an object.

So after fetching the JSON payload from the server, you just parse it into your vb.net object like so:

Code Dim ob As Results= JsonConvert.DeserializeObject(Of Results)(your_json_string)
After that, you can easily access all values via the class.

Here is a website that can help you with generating the "Results" class:

<http://jsonutils.com/> (<-- Remove the extra x, i cant post links yet)

Just paste in your json string, select vb.net as language and click generate.

outlaw - November 25, 2020, 10:32 am

(Nov 25, 2020 11:24 AM)neon_light Wrote: [\[CITE\]](#) My recommendation is to just parse the JSON string into an object.

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Do you have Discord dude? I think I know where I'm going wrong

neon_light - November 25, 2020, 10:35 am

(Nov 25, 2020 11:32 AM)outlaw Wrote: [\[CITE\]](#) Do you have Discord dude? I think I know where I'm going wrong

Yes sure. its: neon_light#9498

outlaw - November 25, 2020, 10:42 am

(Nov 25, 2020 11:35 AM)neon_light Wrote: [\[CITE\]](#) Yes sure. its: neon_light#9498
Added you :)

Problem solved thanks to neon_light! The guy knows his shit :)

itcorp - November 27, 2020, 9:42 am

(Nov 25, 2020 11:42 AM)outlaw Wrote: [\[CITE\]](#) Added you :)

Problem solved thanks to neon_light! The guy knows his shit :)

It would be a good not to drag the discussion off the hf forum to discord next time,because thus knowledge is not open all.In any case, you could find a solution for your problem on the forum because there were users with similar problems like your.Anyway, I'm glad you solved the problem and continue with hard work.

outlaw - November 27, 2020, 9:44 am

(Nov 27, 2020 10:42 AM)itcorp Wrote: [\[CITE\]](#) It would be a good not to drag the discussion off the hf forum to discord next time,because thus knowledge is not open all.In any case, you could find a solution for your problem on the forum because there were users with similar problems like your.Anyway, I'm glad you solved the problem and continue with hard work.

I actually ended up abandoning VB.NET after realizing how dead it is now. No real support for any of the latest tech. I've now moved over to C# and got everything working perfectly just how I wanted and with relative ease.

itcorp - November 27, 2020, 10:01 am

(Nov 27, 2020 10:44 AM)outlaw Wrote: [\[CITE\]](#) I actually ended up abandoning VB.NET after realizing how dead it is now. No real support for any of the latest tech. I've now moved over to C# and got everything working perfectly just how I wanted and with relative ease.

You made a smart move buddy, It is good to follow the technology considering the moves of

Microsoft regarding that field. I'm happy for you, that you achieved what you wanted.

Rmdy - November 27, 2020, 5:48 pm

(Nov 27, 2020 10:44 AM)outlaw Wrote: [\[CITE\]](#) I actually ended up abandoning VB.NET after realizing how dead it is now. No real support for any of the latest tech. I've now moved over to C# and got everything working perfectly just how I wanted and with relative ease.

As long as .net framework is alive, VB.NET is alive.

Anyway, you should have gone with serialization and deserialization with Newtonsoft.

<https://www.newtonsoft.com/json/help/html/SerializingJSON.htm>

That way, you could use those JSON as an object pretty neatly.

Same approach if you're on VB.NET or C#

Regards,

Rmdy

outlaw - November 27, 2020, 10:38 pm

(Nov 27, 2020 06:48 PM)Rmdy Wrote: [\[CITE\]](#) As long as .net framework is alive, VB.NET is alive.

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Regards,

Rmdy

VB was giving me issues, even using Newtsoft.Json, moved over to c# and I've had no issues other than ones I caused myself.

VB.NET always been ass. The only reason I ever went there in the first place was to port from VB6 after it became unsupported.

Rmdy - November 28, 2020, 3:25 am

(Nov 27, 2020 11:38 PM)outlaw Wrote: [\[CITE\]](#) VB was giving me issues, even using Newtsoft.Json, moved over to c# and I've had no issues other than ones I caused myself.

VB.NET always been ass. The only reason I ever went there in the first place was to port from VB6 after it became unsupported.

I love to know those issue and have some discussion but that would be for another thread.

Glad that your issue had already resolve.

Regards,

Rmdy