

Forum:[Hack Forums](#)

Thread: [JSON Examples](#)

KingDeath360 - February 1, 2015, 7:43 am

Just some little JSON examples to help people out.

If you dont know what json looks like, then look below:

```
Code {""version"":0.3, ""status"":0, ""route_summary"": { ""total_distance"":300, ""total_time"":14,
""start_point"":""43"", ""end_point"":""42"" },
""route_geometry"":""[[51.025421,18.647631],[51.026131,18.6471],[51.027802,18.645639]]"",
""route_instructions"": [[""Head northwest on 43"",88,0,4, ""88 m"", ""NW"",334.8],[ ""Continue on
42"",212,1,10, ""0.2 km"", ""NW"",331.1, ""C"",356.3]]}
```

Example 1

If your building your application professionally/slowly this will be for you.

Code Imports System.IO

Imports System.Runtime.Serialization.Json

Imports System.Runtime.Serialization

```
<DataContract(Namespace:= "")> _
```

```
Public Class Route
```

```
    <DataMember(Name:="version")>
```

```
    Public Property version As Double
```

```
    <DataMember(Name:="status")>
```

```
    Public Property status As Double
```

```
    <DataMember(Name:="route_summary")>
```

```
    Public Property route_summary As route_summary
```

```
    <DataMember(Name:="route_geometry")>
```

```
    Public Property route_geometry As Object()
```

```
    <DataMember(Name:="route_instructions")>
```

```
    Public Property route_instructions() As Object
```

```
End Class
```

```
<DataContract(Name:="route_summary", Namespace:= "")> _
```

```
Public Class route_summary
```

```
    <DataMember(Name:="total_distance")>
```

```
    Public Property total_distance As Double
```

```
    <DataMember(Name:="total_time")>
```

```
    Public Property total_time As Double
```

```
    <DataMember(Name:="start_point")>
```

```
    Public Property start_point As Double
```

```
    <DataMember(Name:="end_point")>
```

```
Public Property end_point As Double
End Class
```

```
Public Class Converter(Of t)
Public Function ReturnJSON(ByRef sreader As StreamReader) As t
If GetType(t).Equals(GetType(String)) Then
Dim result As Object = sreader.ReadToEnd.Replace("''", "")
Return result
Else
Dim ds As New DataContractJsonSerializer(GetType(t))
Dim result As t = DirectCast(ds.ReadObject(sreader.BaseStream), t)
ds = Nothing
Return result
End If
End Function
End Class
```

```
Sub Main()
Dim json As String = "{""version"":0.3, ""status"":0, ""route_summary"": { ""total_distance"":300,
""total_time"":14, ""start_point"":""43"", ""end_point"":""42"" },
""route_geometry"":[[51.025421,18.647631],[51.026131,18.6471],[51.027802,18.645639]],
""route_instructions"": [[""Head northwest on 43"",88,0,4, ""88 m"", ""NW"",334.8],[""Continue on
42"",212,1,10, ""0.2 km"", ""NW"",331.1, ""C"",356.3]]}"
```

```
Dim encoding As New System.Text.UTF8Encoding
Dim bytes() As Byte = encoding.GetBytes(json)
```

```
Using os As New MemoryStream
os.Write(bytes, 0, bytes.Length)
os.Position = 0
```

```
Using reader As New StreamReader(os)
Dim converter As New Converter(Of Route)
Dim output As Route
```

```
output = converter.ReturnJSON(reader)
```

```
'output contains data
```

```
End Using
```

```
End Using
```

```
End Sub
```

Example 2

MEDIUM METHOD

Possible useful for creating your own socket protocol where you would convert objects to and from json

```
Code Dim p As New person
p.name = "testname"
p.age = 17
Dim stream1 As New MemoryStream()
Dim ser As New DataContractJsonSerializer(GetType(person))
ser.WriteObject(stream1, p)
stream1.Position = 0
Dim sr As New StreamReader(stream1)
```

```
Console.WriteLine(String.Format("JSON form of Person object:## {0} ##", sr.ReadToEnd()))
```

```
Console.Read()
```

```
<DataContract(Namespace:="person")> _
```

```
Class person
```

```
    <DataMember(Name:="name")> Public name As String
```

```
    <DataMember(Name:="age")> Public age As Integer
```

```
End Class
```

Example 3

QUICK METHOD - i find this useful for decoding proxy websites json format

Code Imports System.Net

Imports System.Web.Script.Serialization

```
Public Class Form1
```

```
    'System.Web.Extensions
```

```
    Dim dfsfsdfs As String =
```

```
    "{"apiVersion":"","2.1","data":{"updated":"","2013-05-24T12:13:18.281Z","totalItems":"","1","startIndex":"","1","itemsPerPage":"","25","items":[{"id":"","yn  
ed":"","2013-05-23T18:43:08.000Z","updated":"","2013-05-  }]"
```

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

```
        Using wb As New WebClient()
```

```
            Dim json As String =
```

```
wb.DownloadString(String.Format("http://gdata.youtube.com/feeds/api/videos?q={0}&v=2&alt=jsonc  
", "ynbJweTvzag"))
```

```
        Dim serializer As New JavaScriptSerializer()
```

```
        Dim deserializedData As Dictionary(Of String, Object) =
```

```
DirectCast(serializer.DeserializeObject(json), Dictionary(Of String, Object))
```

```
        Dim data As Dictionary(Of String, Object) = TryCast(deserializedData("data"), Dictionary(Of  
String, Object))
```

```
        Dim videoInfo As Dictionary(Of String, Object) = TryCast(DirectCast(data("items"), Object))(0),  
Dictionary(Of String, Object))
```

```
        Dim uploaded As String = videoInfo("uploaded").ToString()
```

```
        Dim updated As String = videoInfo("updated").ToString()
```

```
        Dim uploader As String = videoInfo("uploader").ToString()
```

```
        Dim category As String = videoInfo("category").ToString()
```

```
        Dim title As String = videoInfo("title").ToString()
```

```
        Dim description As String = videoInfo("description").ToString()
```

```
        Dim duration As String = videoInfo("duration").ToString()
```

```
        Dim rating As String = videoInfo("rating").ToString()
```

```
        Dim likeCount As String = videoInfo("likeCount").ToString()
```

```
        Dim ratingCount As String = videoInfo("ratingCount").ToString()
```

```
        Dim viewCount As String = videoInfo("viewCount").ToString()
```

```
        Dim favoriteCount As String = videoInfo("favoriteCount").ToString()
```

```
        Dim commentCount As String = videoInfo("commentCount").ToString()
```

```
        MsgBox(uploader)
```

```
    End Using
```

```
End Sub
```

```
End Class
```

NOT MINE

Credits

Microsoft

Daniel Knoodle

<http://stackoverflow.com/questions/28147705/working-with-nested-json-file-visual-basic>

Minimal. - February 1, 2015, 7:44 am

(Feb 1, 2015 08:43 AM)KingDeath360 Wrote: [\[CITE\]](#) NOT MINE
How about giving credits to the original author then?

KingDeath360 - February 1, 2015, 7:50 am

(Feb 1, 2015 08:44 AM)Felix. Wrote: [\[CITE\]](#) How about giving credits to the original author then?
houston we have a problem,
most of these text files with code came from a [MEGA PACK] with no credits:

Odus - February 1, 2015, 8:19 am

(Feb 1, 2015 08:50 AM)KingDeath360 Wrote: [\[CITE\]](#) houston we have a problem,
most of these text files with code came from a [MEGA PACK] with no credits:
There's also the issue of missing explanations, examples of usage, which snippet is optimal for certain situations, etc.

I've been able to source the first & 2nd rip which both give far more information than OP:

1) <http://stackoverflow.com/questions/4955792/deserialize-complex-json-vb-net>
2) <http://stackoverflow.com/questions/28147705/working-with-nested-json-file-visual-basic> /
<http://homepage1.nifty.com/rucio/main/VBdotNet/Samples201/Sample234DataContractJsonSerializer.htm> (???)

Couldn't find No.3, likely from a solution. OP please try harder when making this type of thread.