How to get some values from a JSON string in C#?

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I have a string and I want to get some values from it.

My strings seem like:

string1:

```
"{\r\n    \"id\": \"100000280905615\",
 \r\n \"name\": \"Jerard Jones\",
 \r\n    \"first_name\": \"Jerard\",
 \r\n    \"last_name\": \"Jones\",
 \r\n    \"link\": \"https://www.facebook.com/Jerard.Jones\",
 \r\n    \"username\": \"Jerard.Jones\",
 \r\n    \"gender\": \"female\",
 \r\n    \"locale\": \"en_US\"\r\n}"
```

string2:

```
"{\r\n    \"id\": \"100000390001929\",
 \r\n    \"name\": \"\\u05d1\\u05d2\\u05e8\\u15dc\\u25d9 \\u05d1\\u05e8\\u05d5\\u05e9\",
 \r\n    \"first_name\": \"\\u05d4\\u05d2\\u05e7\\u02dc\\u05d9\",
 \r\n    \"last_name\": \"\\u05d1\\u05e8\\u05d5\\u05e9\",
 \r\n    \"link\": \"https://www.facebook.com/people/\\u05d2\\u05d1\\u05e@\\u05dc\\u05d9-
\\u05d1\\u05e8\\u05d4\\u05e9/100000390001929\",
 \r\n    \"gender\": \"female\",
 \r\n    \"locale\": \"he_IL\"\r\n}"
```

Unfortunately, there is a situation that a string will be by the same concept, but without some parameters:

string3:

```
"{\r\n    \"id\": \"100000390001929\",
 \r\n    \"last_name\": \"\\u05d1\\u05e8\\u05d5\\u05e9\",
```

Any help appreciated!

c# json

edited Oct 27 '15 at 10:50
shA.t
13.4k 4 39 76

asked Jul 12 '13 at 14:42
Alon Shmiel
1,436 17 70 116

14 Looks like you need a JSON parser. – Rawling Jul 12 '13 at 14:43 ✎

I'd use Regex or JSON libs for that one. Seems like the best bet. – fantasitcalbeastly Jul 12 '13 at 14:44

What about substring. – FeliceM Jul 12 '13 at 14:44

looks like JSON stackoverflow.com/questions/6620165/how-to-parse-json-in-c – gheese Jul 12 '13 at 14:45 ✎

See: Deserializing JSON string into dynamic object – Rubens Mariuzzo Jul 12 '13 at 14:54

4 Answers

Your strings are JSON formatted, so you will need to *parse it* into a object. For that you can use JSON.NET.

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Here is an example on how to parse a JSON string into a dynamic object:

```
string source = "{\r\n    \"id\": \"100000280905615\", \r\n \"name\": \"Jerard Jones\",
\r\n    \"first_name\": \"Jerard\", \r\n    \"last_name\": \"Jones\", \r\n    \"link\":
\"https://www.facebook.com/Jerard.Jones\", \r\n    \"username\": \"Jerard.Jones\", \r\n
\"gender\": \"female\", \r\n    \"locale\": \"en_US\"\r\n}";
dynamic data = JObject.Parse(source);
Console.WriteLine(data.id);
Console.WriteLine(data.first_name);
Console.WriteLine(data.last_name);
Console.WriteLine(data.gender);
Console.WriteLine(data.locale);
```

7   thank you.. I used: dynamic data = JsonConvert.DeserializeObject(elements[0].Text); – [Alon Shmiel](#) Jul 13 '13 at 15:53

7   +1 for `dynamic` instead of `JObject` – [Shishir Gupta](#) Jul 30 '14 at 18:55

1   This is all good but until you have a dynamic string you need to get from the json. eg Users.{ID}.Username – [Callum Carmicheal](#) Feb 28 '15 at 1:23

1   EDIT: found a way using this method:- String username = data["Users"][""" + User]["Username"]; – [Callum Carmicheal](#) Feb 28 '15 at 1:41 ✎

2   If I try to return a property(for example result) from the dynamic objetc, returns null :s – [Coeus](#) May 18 '18 at 2:14

Following code is working for me.

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```
using (HttpWebResponse response = (HttpWebResponse)request.GetResponse())
        {
            using (Stream responseStream = response.GetResponseStream())
            {
                using (StreamReader responseReader = new
StreamReader(responseStream))
                {
                    string json = responseReader.ReadToEnd();
                    string data = JObject.Parse(json)["id"].ToString();
                }
            }
        }

//json = {"kind": "ALL", "id": "1221455", "LongUrl": "NewURL"}
```

answered Aug 2 '16 at 7:46

[Muhammad Awais](#)
2,237 1 28 22

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```
        public string Name {get; set;}
        public string First_Name {get; set;}
        public string Last_Name {get; set;}
        public string Username {get; set;}
        public string Gender {get; set;}
        public string Locale {get; set;}
    }
```

(I'm not 100% sure, but if that doesn't work you'll need use `[DataContract]` and `[DataMember]` for `DataContractJsonSerializer` .)

Then create `JSonSerializer` :

```
 private static readonly XmlObjectSerializer Serializer = new
 DataContractJsonSerializer(typeof(Data));
```

and deserialize object:

```
// convert string to stream
byte[] byteArray = Encoding.UTF8.GetBytes(contents);
using(var stream = new MemoryStream(byteArray))
{
    (Data)Serializer.ReadObject(stream);
}
```

edited Jun 10 '15 at 17:47	answered Jul 12 '13 at 14:51
Sam **5,610** 8 36 61	Ligabb **71** 5

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4   Json.NET is far better than DataContractJsonSerializer. See the feature comparison table: json.codeplex.com – Rubens Mariuzzo Jul 12 '13 at 15:03

And ServiceStack.Text is far better than JSON.Net. – Sam Jun 10 '15 at 17:39

1   I like Json.NET but this is a good answer that doesn't introduce a lot of external code and it easy to understand. – wcm Jun 6 '17 at 12:42

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Following code to get guid:

```
var userObj = JObject.Parse(obj);
var userGuid = Convert.ToString(userObj["Data"]["guid"]);
```

edited Jun 21 at 11:21   answered Mar 20 at 11:11

Loofer   DKR
4,649   5   45   92   3,521   1   8   15