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Thread: [Localbitcoins API HMAC failure.](#)

Skeetz - July 2, 2016, 1:32 pm

Sooo i have been fucking with this code for hours now and it is still giving me the error : Response String: The remote server returned an error: (400) Bad Request.

I dont understand why lbc is telling me the request i submitted was bad / invalid.

Code:

Form load:

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

```
Dim Uri As String
Dim path As String
Dim statuscode As HttpStatusCode
Dim dataStream As Stream = Nothing
Dim StreamReader As StreamReader
Dim ResponseFromServer As String
Dim ApiKey As String
Dim SecretKey As String
Dim uri_path As String
Dim total_key As String
Dim time_in_ms As DateTime = DateTime.Now
```

```
Uri = "https://localbitcoins.com"
path = "/api/myself/"
ApiKey = "publickey"
SecretKey = "secretkey"
uri_path = Uri & path
total_key = time_in_ms.Millisecond.ToString & ApiKey & path
Try
```

```
Dim request As WebRequest = WebRequest.Create(uri_path)
request.Timeout = 120000
request.Method = "POST"
```

```
Dim byteArray As Byte() = System.Text.Encoding.UTF8.GetBytes(total_key)
```

```
request.Headers.Add("Apiauth-Key", ApiKey)
request.Headers.Add("Apiauth-Nonce", time_in_ms.Millisecond.ToString)
request.Headers.Add("Apiauth-Signature", HashHMAC(SecretKey, total_key).ToUpper)
request.ContentType = "application/x-www-form-urlencoded"
request.ContentLength = byteArray.Length
dataStream = request.GetRequestStream()
dataStream.Write(byteArray, 0, byteArray.Length)
dataStream.Close()
```

```
Dim WebResponse As WebResponse = request.GetResponse()
```

```

dataStream = WebResponse.GetResponseStream()
StreamReader = New StreamReader(dataStream)
ResponseFromServer = StreamReader.ReadToEnd()
dataStream.Close()
WebResponse.Close()
statusCode = HttpStatusCode.OK

```

Catch ex As WebException

```

If ex.Response IsNot Nothing Then
    dataStream = ex.Response.GetResponseStream()
    Dim reader As New StreamReader(dataStream)
    statusCode = DirectCast(ex.Response, HttpWebResponse).StatusCode
    ResponseFromServer = ex.Message
Else
    Dim resp As String = ""
    statusCode = HttpStatusCode.ExpectationFailed
    ResponseFromServer = "Error"
End If

```

Catch ex As Exception

```

statusCode = HttpStatusCode.ExpectationFailed
ResponseFromServer = "Error"

```

End Try

```

'Console.WriteLine("Response Code: " & statusCode)
TextBox1.AppendText("Response String: " & ResponseFromServer)
'Console.WriteLine("Response String: " & ResponseFromServer)

```

End Sub

HMAC FUNCTION:

Code Public Function HashHMAC(key As String, message As String) As String

```

Dim encoding As System.Text.UTF8Encoding
Dim keyByte As Byte()
Dim hmacsha256 As HMACSHA256
Dim messageBytes As Byte()
Dim hashmessage As Byte()
encoding = New System.Text.UTF8Encoding()
keyByte = encoding.GetBytes(key)
hmacsha256 = New HMACSHA256(keyByte)
messageBytes = encoding.GetBytes(message)
hashmessage = hmacsha256.ComputeHash(messageBytes)
Return ByteArrayToString(hashmessage)

```

End Function

Public Function ByteArrayToString(ba As Byte()) As String

```

Dim hex As StringBuilder
Dim b As Byte
hex = New StringBuilder(ba.Length * 2)
For Each b In ba
    hex.AppendFormat("{0:x2}", b)
Next
Return hex.ToString()

```

End Function

Well for one, you should use a GET to /api/myself instead of POST

Quote:/api/myself/

Required arguments: None

Access token scope: Read

HTTP Method: GET

Return the information of the currently logged in user (the owner of authentication token). The format is the same as in account_info method.

Taken from https://localbitcoins.com/api-docs/#api_toc1

Hope this helps.

Skeetz - July 2, 2016, 8:25 pm

I created a GET request method and it still returns a bad request.