

Re: MD5 conversion problem

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2004-08/5617.html>

From: Peter Afonin (*peter_at_gudzon.net*)

Date: 08/27/04

Date: Fri, 27 Aug 2004 15:47:10 -0700

Thank you, Joe!

Peter

"Joe Kaplan (MVP – ADSI)" <joseph.e.kaplan@removethis.accenture.com> wrote in message news:eB8IzPFjEHA.2696@TK2MSFTNGP11.phx.gbl...

> Ah, this is the hex encoding thing I mentioned in my first post and didn't

> provide an example for. You can either use the BitConverter class to

> convert the byte[] to hex digits and then strip out the – characters it

puts

> in between or using something like my function called ConvertToOctetString

> that you can do a Google groups search for that does this. It basically

> just uses a StringBuilder and the X2 format code to loop over the bytes

and

> build the string.

>

> Also, MAKE SURE that the vendor is calculating the MD5 of the data using

the

> same encoding that you are (UTF8, ACSII, UTF16, etc.) or else your input

> byte array may be different and thus your hash will be different.

>

> HTH,

>

> Joe K.

>

> "Peter Afonin" <pva@speakeasy.net> wrote in message

> news:utMGDDAjEHA.2544@TK2MSFTNGP10.phx.gbl...

>> Joe, I'm connecting an online store to the payment system. I need to

pass

>> this string to this payment gateway, and it will return me another

string

>> back, confirming that the payment was successful.

>>

>> I contacted the techsupport of this gateway. They said that I don't have

> to

>> convert my string to Base64. I need to convert every byte to 16-bit

number

> > *or something like this. They don't use ASP.Net, so couldn't give me an exact code. They said that it should look approximately like this:*

```
> >  
> > StringBuilder sb = new StringBuilder();  
> >  
> > for (int i=0;i<hash.Length;i++)  
> > sb.Append(hash[i].ToString("x").PadLeft(2,'0'));  
> >  
> > return sb.ToString();  
> >  
> > How it should look in VB.Net?  
> >  
> > Thank you,  
> >  
> > Peter  
> >  
> >  
> > "Joe Kaplan (MVP – ADSI)" <joseph.e.kaplan@removethis.accenture.com>  
wrote  
> > in message news:OJQ8p$%23iEHA.3988@tk2msftngp13.phx.gbl...  
> > > What is giving you a "bad CRC" error? Is it the code below? That looks like it should just return a base64 encoded MD5 hash of whatever string was provided.  
> > >  
> > > It isn't clear to me what you are trying to do or what the input is in the function.  
> > >  
> > > Joe K.  
> > >  
> > > "Peter Afonin" <pva@speakeasy.net> wrote in message news:eQeJri%23iEHA.3612@TK2MSFTNGP12.phx.gbl...  
> > > > Thank you, Joe.  
> > > >  
> > > > I've tried to change it like this:  
> > > >  
> > > > Dim hashedBytes As Byte()  
> > > > Dim md5 As New MD5CryptoServiceProvider  
> > > > Dim encoder As new UTF8Encoding  
> > > > hashedBytes = md5.ComputeHash(encoder.GetBytes(sCRC))  
> > > > sCRC = Convert.ToBase64String(md5.ComputeHash(hashedBytes))  
> > > > Me.crc.Value = sCRC  
> > > >  
> > > > Yes, the output string has changed:  
> > > >  
> > > > '<input type=hidden name=crc value="35r0XmeFIOXs5evTQM0q+w==">'+  
> > > >
```


