

Forum:[Hack Forums](#)

Thread: [\[C#\]\[VB .NET\]\[SRC\]XOR Class](#)

Ethereal - January 23, 2011, 2:04 pm

The original source was from Aeonhack. I updated it with string parameter overloads, and also translated it into C# for my fellow coders.

So here it is:

C#

Code class XOREncryption

```
{
    /// <summary>
    /// Encrypts your data via XOR. Original source by Aeonhack. Updated and translated by
    /// Leave the credits.
    /// </summary>
    System.Text.UTF8Encoding encoding = new System.Text.UTF8Encoding();

    public string XORData(string data, string password) {
        return encoding.GetString(XORData(encoding.GetBytes(data), encoding.GetBytes(password)));
    }

    public byte[] XORData(byte[] data, byte[] password)
    {
        int x = password.Length;
        for (int index = 0; index < data.Length; index++)
        {
            data[index] = Convert.ToByte(data[index] ^ password[index % x]);
        }
        return data;
    }
}
```

Usage:

```
Code txtBox.Text = XOREncryption.XORData("Test text", "TestKeyVal");
txtBox.Text = XOREncryption.XORData(YourByteArrData, YourByteArrPass);
```

VB .NET

Code Class XOREncryption

```
'Original Byte() function by Aeonhack. Updated by Ethereal of HackForums.net
```

```
'Leave the credits.
```

```
Dim encoding As New System.Text.UTF8Encoding()
```

```
Function XORData(ByVal data As String, ByVal password As String) As String
```

```
Return encoding.GetString(XORData(encoding.GetBytes(data), encoding.GetBytes(password)))
```

```
End Function
```

```
Function XORData(ByVal data As Byte(), ByVal password As Byte()) As Byte()
```

```
Dim X As Integer = password.Length
```

```
For I As Integer = 0 To data.Length - 1
    data(I) = data(I) Xor password(I Mod X)
Next
Return data
End Function
End Class
Usage:
Code TextBox1.Text = XOREncryption.XORData("Test Data", "Test Pass")
Dim ByteArr As Byte() = XOREncryption.XORData(YourByteArrData, YourByteArrPass)
```

RiperFish - January 23, 2011, 2:14 pm

Thank's for the share bro :).

Cody8295 - January 23, 2011, 2:15 pm

Nice share, thanks for this.

Mr. Anderson - January 23, 2011, 2:32 pm

Good thing your ported it for us C# coders! thanks!

.Astro - January 23, 2011, 3:18 pm

Nice share, Ethereal.~

Another thing that can help me learn about encryption.~

Zer0Fact0r - January 23, 2011, 3:29 pm

Why not just make the string overload call the byte overload?

Also your for loop will miss the last item in the data byte[].

Ethereal - January 23, 2011, 11:12 pm

(Jan 23, 2011 04:29 PM)Zer0Fact0r Wrote: [\[CITE\]](#) Why not just make the string overload call the byte overload?

Also your for loop will miss the last item in the data byte[].

Thanks for notifying me of that - I will update it tonight.

I created two seperate functions for readability.

Nonmod - January 23, 2011, 11:17 pm

PHP Code

```
<?php
for (int index = 0; index < sData.Length - 1; index++)
```

You will miss the last item.

It should be:

PHP Code

```
<?php
for (int index = 0; index < sData.Length; index++)
```

Ethereal - January 24, 2011, 8:24 am

(Jan 24, 2011 12:17 AM)Nonmod Wrote: [\[CITE\]](#) PHP Code

```
<?php
```

```
for (int index = 0; index < sData.Length - 1; index++)
```

You will miss the last item.

It should be:

PHP Code

```
<?php
```

```
for (int index = 0; index < sData.Length; index++)
```

I did notice that, but I was just working from the original source be Aeonhack.

I will be sure to update it.

EDIT: Updated! The VB class was fine, but the C# class needed it changed. Made slightly more efficient for you, Zer0.