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Thread: [\[C#\]Encryptions Thread\(RSA,XOR,RC4,Etc\)](#)

Mr. Anderson - November 14, 2010, 1:57 pm

All these encryptions are ported off the ones posted in Prototypes thread.

I simply ported them to C#:

DES:

```
Code public string DES_Encrypt(string input, string pass)
{
    System.Security.Cryptography.DESCryptoServiceProvider DES = new
System.Security.Cryptography.DESCryptoServiceProvider();
    System.Security.Cryptography.MD5CryptoServiceProvider Hash_DES = new
System.Security.Cryptography.MD5CryptoServiceProvider();
    string encrypted = "";
    try
    {
        byte[] hash = new byte[8];
        byte[] temp =
Hash_DES.ComputeHash(System.Text.ASCIIEncoding.ASCII.GetBytes(pass));
        Array.Copy(temp, 0, hash, 0, 8);
        DES.Key = hash;
        DES.Mode = System.Security.Cryptography.CipherMode.ECB;
        System.Security.Cryptography.ICryptoTransform DESEncrypter =
DES.CreateEncryptor();
        byte[] Buffer = System.Text.ASCIIEncoding.ASCII.GetBytes(input);
        encrypted = Convert.ToBase64String(DESEncrypter.TransformFinalBlock(Buffer, 0,
Buffer.Length));
        return encrypted;
    }
    catch (Exception ex)
    {
    }
    return encrypted;
}

public string DES_Decrypt(string input, string pass)
{
    System.Security.Cryptography.DESCryptoServiceProvider DES = new
System.Security.Cryptography.DESCryptoServiceProvider();
    System.Security.Cryptography.MD5CryptoServiceProvider Hash_DES = new
System.Security.Cryptography.MD5CryptoServiceProvider();
    string decrypted = "";
    try
    {
        byte[] hash = new byte[8];
        byte[] temp =
Hash_DES.ComputeHash(System.Text.ASCIIEncoding.ASCII.GetBytes(pass));
        Array.Copy(temp, 0, hash, 0, 8);
        DES.Key = hash;
```

```

        DES.Mode = System.Security.Cryptography.CipherMode.ECB;
        System.Security.Cryptography.ICryptoTransform DESDecrypter =
DES.CreateDecryptor();
        byte[] Buffer = Convert.FromBase64String(input);
        decrypted =
System.Text.ASCIIEncoding.ASCII.GetString(DESDecrypter.TransformFinalBlock(Buffer, 0,
Buffer.Length));
        return decrypted;
    }
    catch (Exception ex)
    {
    }
    return decrypted;
}
AES:
Code public string AES_Encrypt(string input, string pass)
{
    System.Security.Cryptography.RijndaelManaged AES = new
System.Security.Cryptography.RijndaelManaged();
    System.Security.Cryptography.MD5CryptoServiceProvider Hash_AES = new
System.Security.Cryptography.MD5CryptoServiceProvider();
    string encrypted = "";
    try
    {
        byte[] hash = new byte[32];
        byte[] temp =
Hash_AES.ComputeHash(System.Text.ASCIIEncoding.ASCII.GetBytes(pass));
        Array.Copy(temp, 0, hash, 0, 16);
        Array.Copy(temp, 0, hash, 15, 16);
        AES.Key = hash;
        AES.Mode = System.Security.Cryptography.CipherMode.ECB;
        System.Security.Cryptography.ICryptoTransform DESEncrypter =
AES.CreateEncryptor();
        byte[] Buffer = System.Text.ASCIIEncoding.ASCII.GetBytes(input);
        encrypted = Convert.ToBase64String(DESEncrypter.TransformFinalBlock(Buffer, 0,
Buffer.Length));
        return encrypted;
    }
    catch (Exception ex)
    {
    }
    return encrypted;
}
public string AES_Decrypt(string input, string pass)
{
    System.Security.Cryptography.RijndaelManaged AES = new
System.Security.Cryptography.RijndaelManaged();
    System.Security.Cryptography.MD5CryptoServiceProvider Hash_AES = new
System.Security.Cryptography.MD5CryptoServiceProvider();
    string decrypted = "";
    try
    {
        byte[] hash = new byte[32];

```

```

        byte[] temp =
Hash_AES.ComputeHash(System.Text.ASCIIEncoding.ASCII.GetBytes(pass));
        Array.Copy(temp, 0, hash, 0, 16);
        Array.Copy(temp, 0, hash, 15, 16);
        AES.Key = hash;
        AES.Mode = System.Security.Cryptography.CipherMode.ECB;
        System.Security.Cryptography.ICryptoTransform DESDecrypter =
AES.CreateDecryptor();
        byte[] Buffer = Convert.FromBase64String(input);
        decrypted =
System.Text.ASCIIEncoding.ASCII.GetString(DESDecrypter.TransformFinalBlock(Buffer, 0,
Buffer.Length));
        return decrypted;
    }
    catch (Exception ex)
    {
    }
    return decrypted;
}
RSA:

```

```

Code public string RSA_Encrypt(string Input)
{
    System.Security.Cryptography.CspParameters cp = new
System.Security.Cryptography.CspParameters();
    cp.Flags = System.Security.Cryptography.CspProviderFlags.UseMachineKeyStore;
    cp.KeyContainerName = "Keys";
    System.Security.Cryptography.RSACryptoServiceProvider RSA = new
System.Security.Cryptography.RSACryptoServiceProvider(cp);

    byte[] buffer = System.Text.Encoding.UTF8.GetBytes(Input);
    byte[] encrypted = RSA.Encrypt(buffer, true);
    return Convert.ToBase64String(encrypted);
}
public string RSA_Decrypt(string Input)
{
    System.Security.Cryptography.CspParameters cp = new
System.Security.Cryptography.CspParameters();
    cp.Flags = System.Security.Cryptography.CspProviderFlags.UseMachineKeyStore;
    cp.KeyContainerName = "Keys";
    System.Security.Cryptography.RSACryptoServiceProvider RSA = new
System.Security.Cryptography.RSACryptoServiceProvider(cp);
    byte[] buffer = Convert.FromBase64String(Input);
    byte[] decrypted = RSA.Decrypt(buffer, true);
    return System.Text.Encoding.UTF8.GetString(decrypted);
}
Enjoy!

```

xhtmlphp™ - November 14, 2010, 3:49 pm

You should put it into a class library so people can download and import the .dll and use functions such as rc4(string data, string key) and provide snippets.

Good release but an encryption library would be helpful.

Noxin - November 14, 2010, 3:50 pm

Could you please provide a link to Prototypes thread, as that is not his username, thank you.

Mr. Anderson - November 14, 2010, 4:34 pm

<https://hackforums.net/showthread.php?tid=668060&highlight=encryption>