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Thread: [LoctiteCrypto - easy and secure encryption/decryption class](#)

gigajew - February 12, 2019, 4:55 pm

This is encryption/decryption class that uses a combination between asymmetric RSA and symmetric AES to produce safe encryption. Almost like SSL. (Does not support Windows XP and below). Your data gets encrypted with AES using a random key and iv combination, and then the key to decrypt that data gets encrypted with a public key that the clients have. That way anyone, or any client can encrypt data but only you can decrypt it again with the private key.

Method list:

```
[*]public string GeneratePublicKey();  
[*]public string GeneratePrivateKey();  
[*]public string DecryptString(EncryptedBlob blob, string private_asymmetric_key);  
[*]public byte[] DecryptData(EncryptedBlob blob, string private_asymmetric_key);  
[*]public EncryptedBlob EncryptString(string raw_message, string public_asymmetric_key);  
[*]public EncryptedBlob EncryptData(byte[] raw_binary_data, string public_asymmetric_key);  
[*]public void Dispose();
```

Example usage:

Source code: