



## Encryption Techniques Post 5.99a

### First Password

Encrypt Data using  
**Blowfish**

**Encrypt 1**

Further Encrypt Data using  
**XOR stream cypher**

**Encrypt 2**

**XOR with neighbouring  
character from end to  
beginning**

**Encrypt 2a**

Further Encrypt Data  
using **Character Position  
Changing techniques**

**Encrypt 3**

### If Third Password AES 16 Byte Encryption

### If Second Password

Encrypt Data using  
**Blowfish**

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using **Character Position  
Changing techniques**

**Encrypt 3**

### Encrypt 1

Combine "VectorByte" and  
passphrase to create encryption key

Zero Contents of passphrase

Create Blowfish Encryption Key  
from encryption key

Encrypt Data with Blowfish.

Zero All Data in Blowfish  
Encryption Key

### Encrypt 2

Create XOR Encryption Key from  
encryption key

Zero Contents of encryption key

Encrypt Blowfish Encrypted Data  
with XOR cypher using XOR  
Encryption Key Modifying XOR  
Encryption Key according to Rc4  
type rules

### Encrypt 3

Move Character positions in File  
using XOR Encryption Key

Zero Contents of XOR Encryption

### AES Encryption

Take Third Password apply SHA1 to it  
and create AES encryption key from  
first 16 Bytes after replacing any zero  
characters. AES Encryption applied to  
no more than 40,000 characters of  
Data.