

RSA-KEM encryption (using public key)

This command encrypts with RSA-KEM using the public key.

With RSA-KEM encryption, there is no limit on the length of a plain text to be encrypted.

3:13 [RSA-KEM] Encrypto with PublicKey

Input Filename (plain text)

Input Filename (plain text. file to be encrypted)

select clear

PublicKey (for encrypting plain text)

PublicKey Format

P10 X.509

PublicKey Filename

select clear

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3:13 [RSA-KEM] Encrypto with PublicKey

Output File (cipher text)

Output Filename (cipher text)

input clear

Do Encrypto

[Back]

The user interface will be something like this.

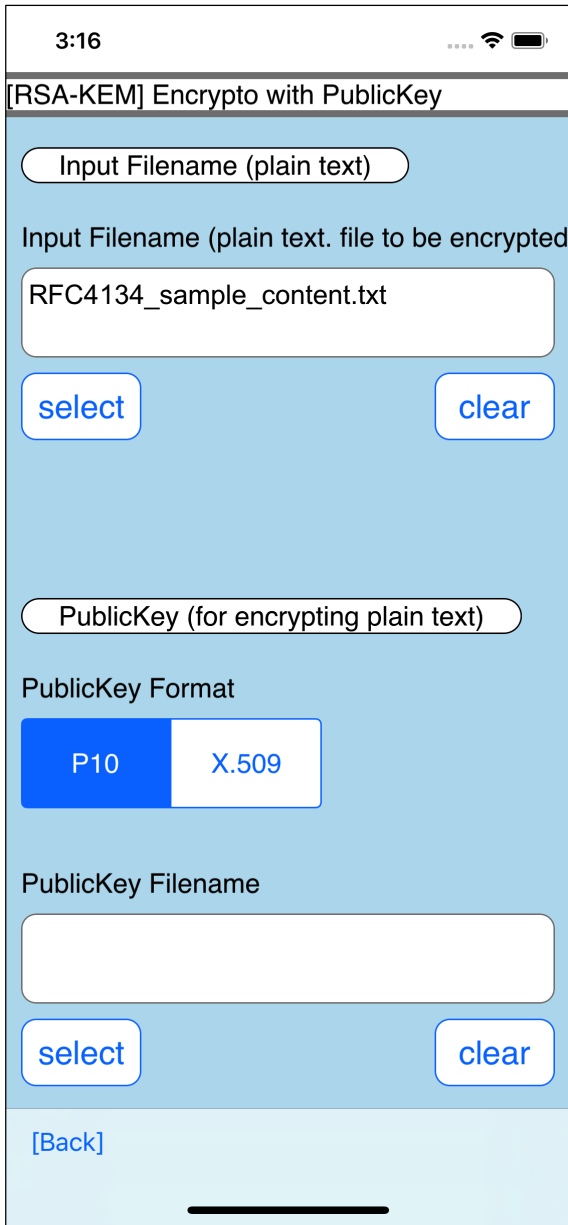
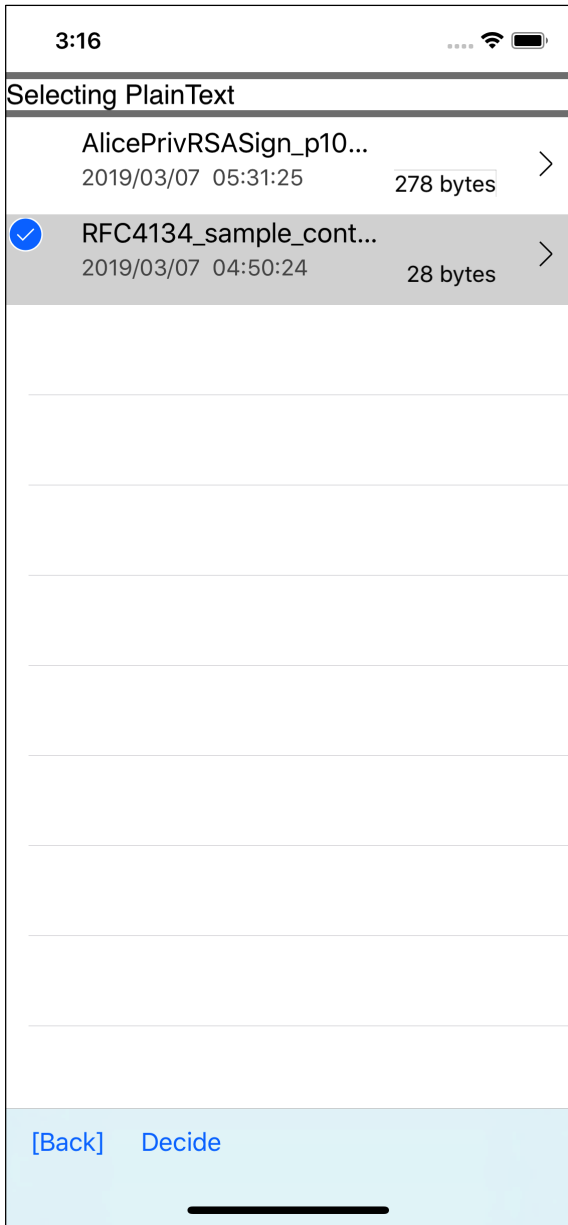
Plain text file name to be encrypted

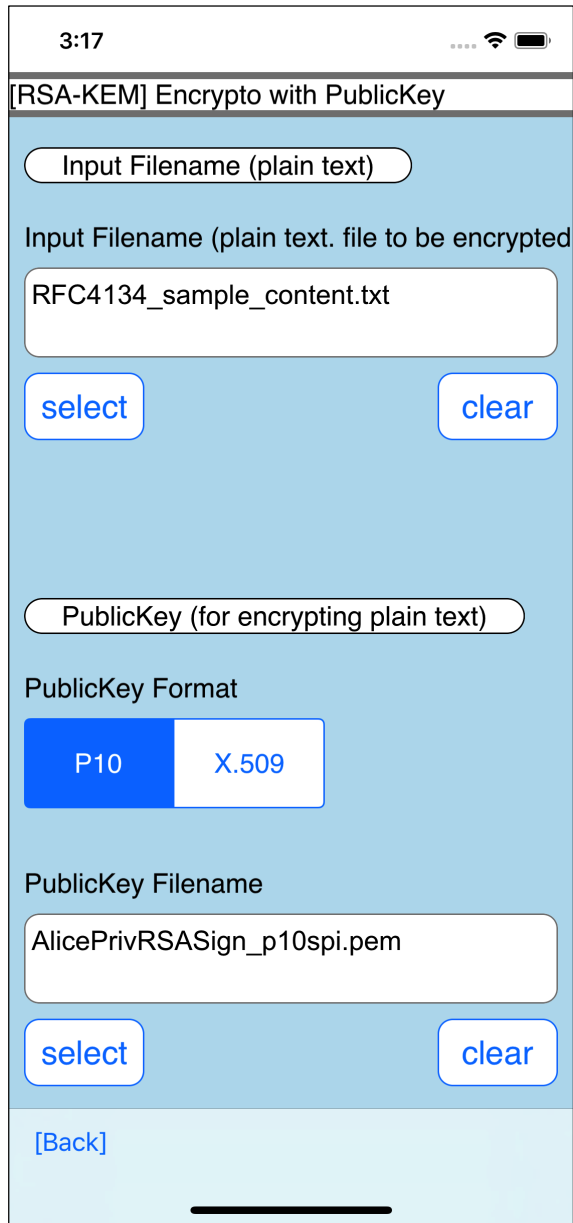
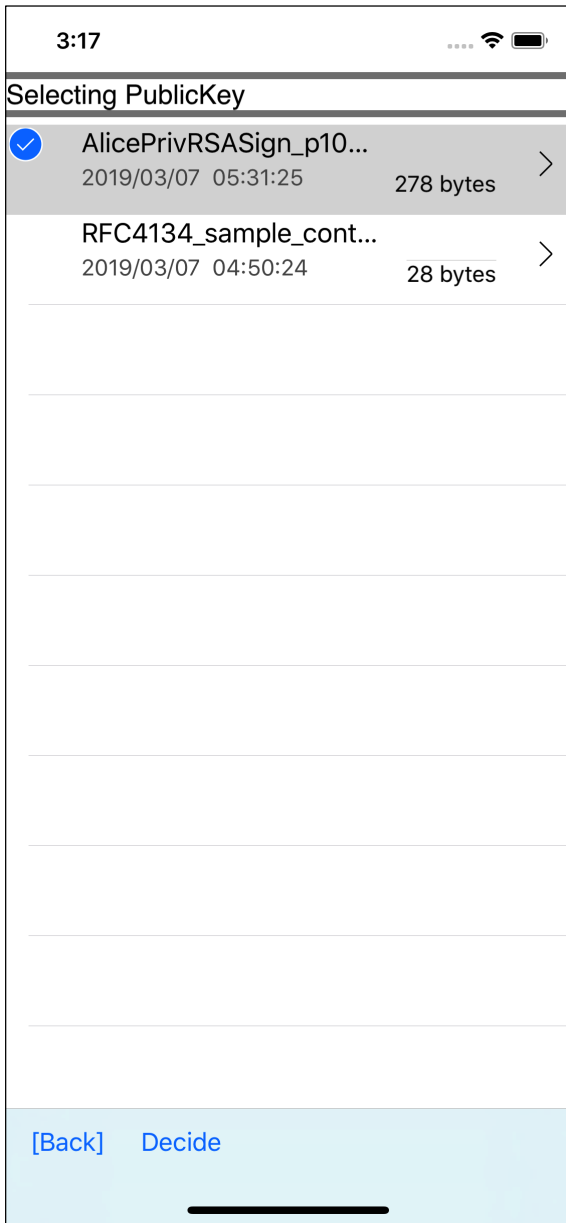
Type of public key

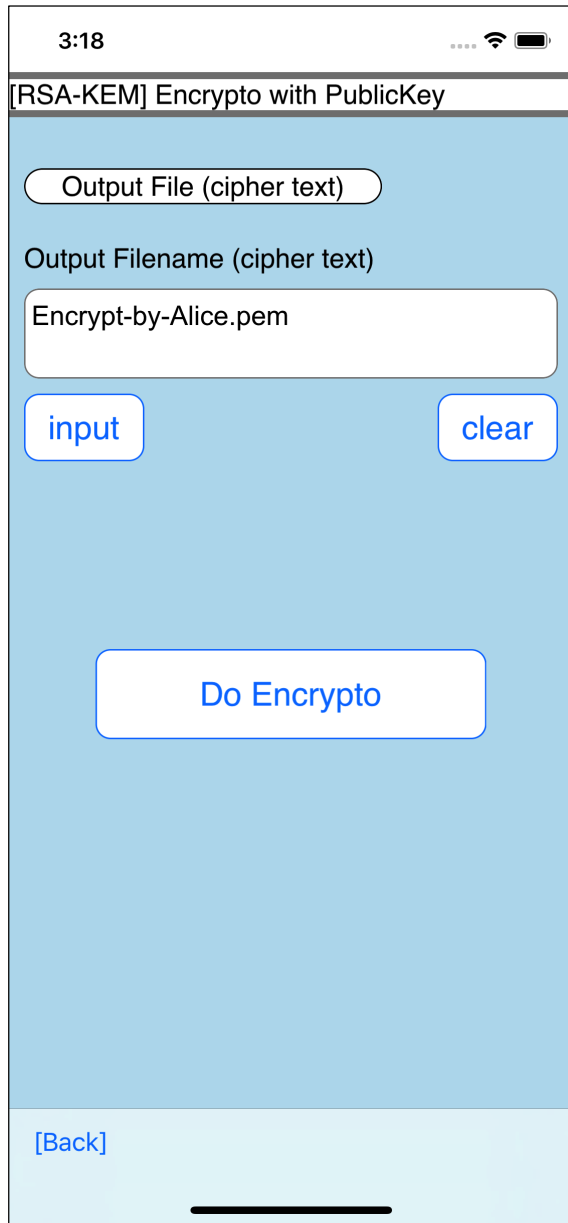
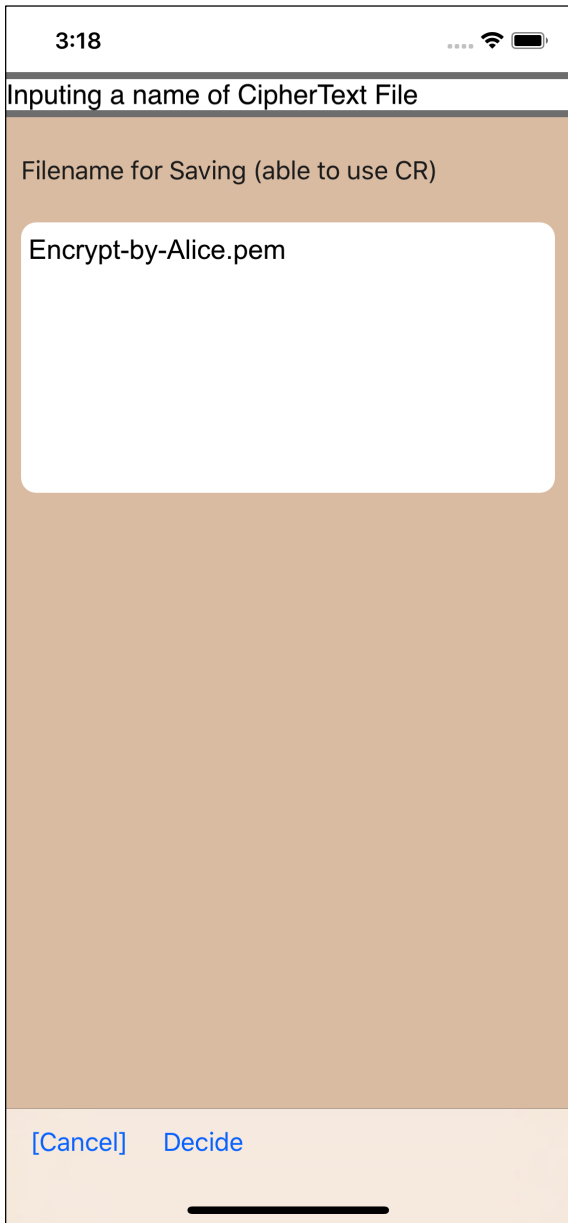
File name of public key

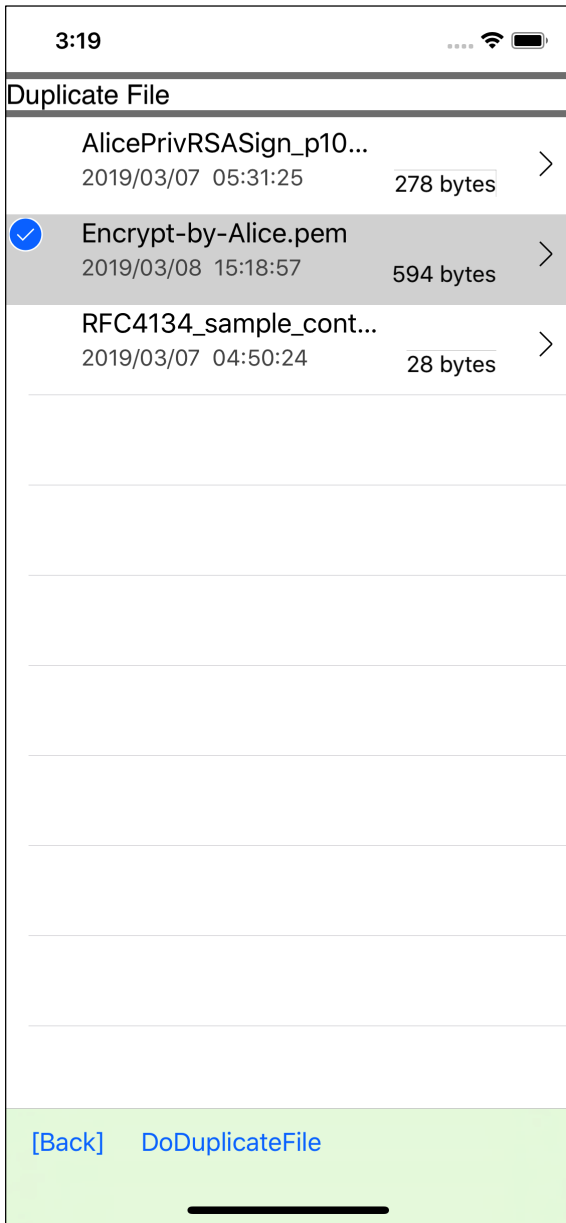
Name of output destination of ciphertext

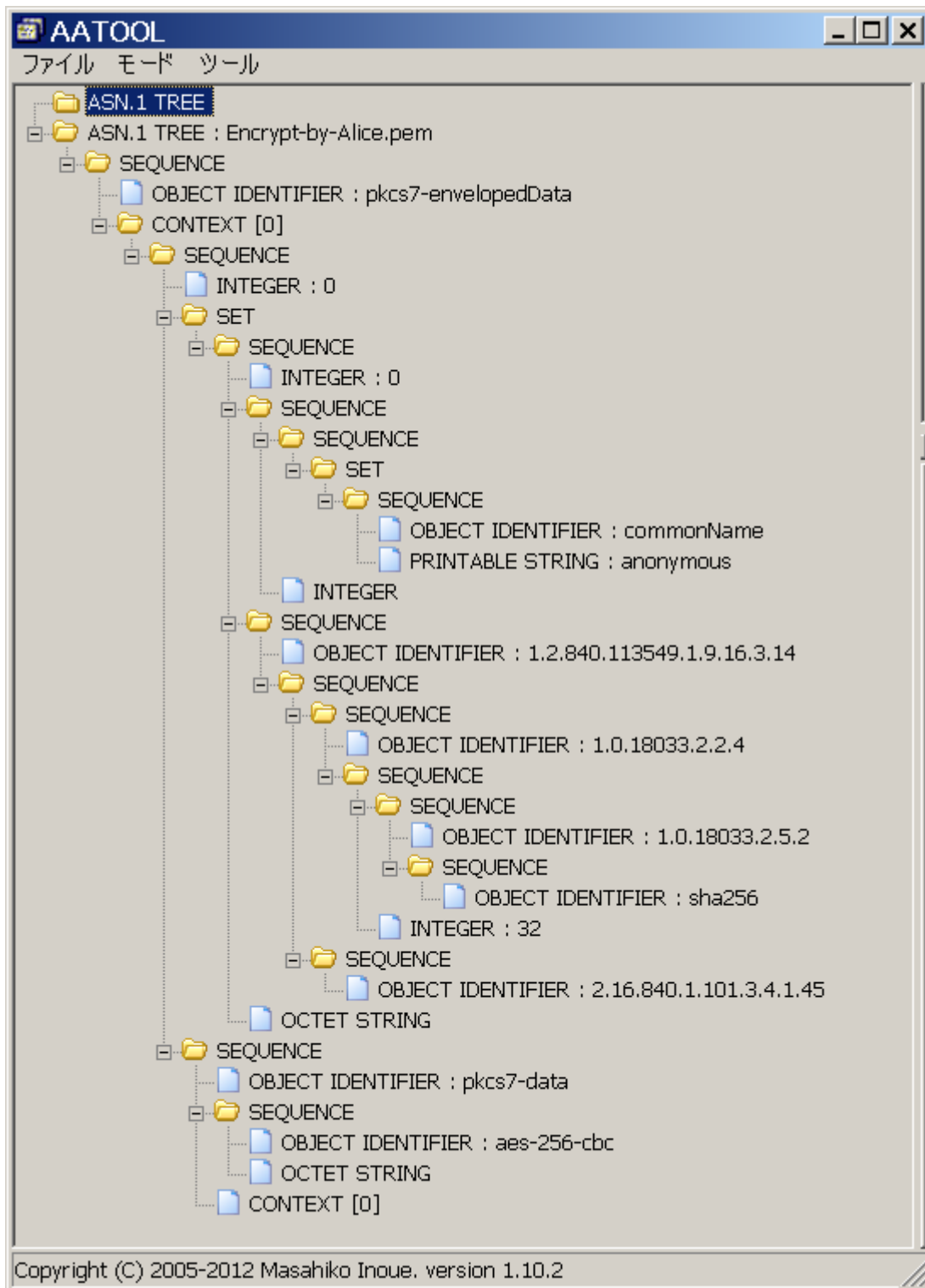
This is the meaning.











Looking at the created ciphertext with the ASN.1 syntax analysis application, it looks something like this.

This ciphertext should be able to be decrypted if you use cryptographic software that can handle PKCS#7 EnvelopedData to store ciphertext of RSA-KEM.

Also, PKCS#7 EnvelopedData has something like a name field.

It is set to anonymous in rsac.