**Andrei Secara's Cipher Encryption & Decryption Application MANUAL**

Thank you for deciding to encrypt your file with my cipher encryption program! To get started, you must closely follow the following steps before running the app:

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For this application to run correctly, you must enable a **reference** to the VB script run-time, Activex, and word library. This is so VBA can use the File System Object and access databases & word files.

This can be done in the following steps:

1. Open a5\_seca2560.xlsm

2. Open the VBA Editor

3. Select Tools > References from the drop-down menu

4. A listbox of available references will be displayed

5. Tick the check-box next to **'Microsoft Scripting Runtime**'

6. Tick the check-box next to **'Microsoft ActiveX Data Objects Library**' Select the latest version installed on your PC

7. Tick the check-box next to '**Microsoft Word xx.x Object Library'**. Select the latest version.

8. Click on the OK button

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Great! Now your computer is all **set up** to run the encryption application.

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**The steps to use the program to ENCRYPT files are as follows:**

1. On the 'Cipher Tables' worksheet, choose an appropriate translation factor. This will determine how the files are encrypted. **Be aware!** A translation factor of 0 will result in no meaningful encryption.

2. Press the lock above "**ENCRYPT FILE**"

3. Enter the exact directory of the file you wish to **encrypt**

4. Enter the directory (**folder location**) where you would like the program to output the resulting .crzy files

5. Done! Your excel file is now encrypted and outputted where you specified.

**A sample document titled "sample.xlsx" has been given to you to test out the encryption.**

The application will then encrypt your file to the resulting files with the same name as your workbook's worksheets.

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**The steps to use the program to DECRYPT files are as follows:**

1. Make sure the translation factor on the 'Cipher Tables' worksheet is the same as when the files were encrypted. If it is not, the files will not decrypt properly.

2. Press the lock above "**DECRYPT FILE"**

3. Enter the exact directory (**folder location)** of where you would like your decrypted .xlsx file.

4. Enter the desired output file name. EG: "output.xlsx"

5. Enter how many .crzy files you would like to decrypt into the outputted workbook.

6. Enter the full file directories of all the .crzy files you wish to decrypt.

7. Done! Your decrypted file will be where you specified.

After this, you can check the Output.accdb for a log, and the Chart.docx file for a visual pie chart representation of how many cells were processed by Sheet name in your input / output workbook.