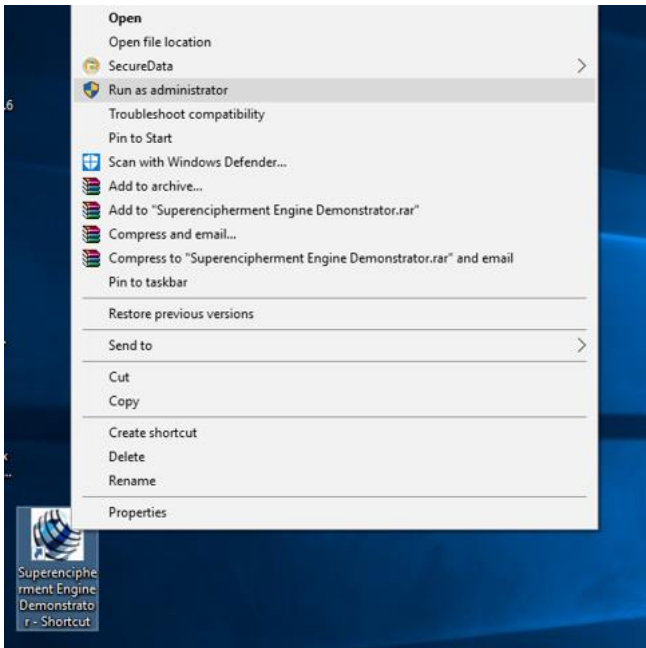
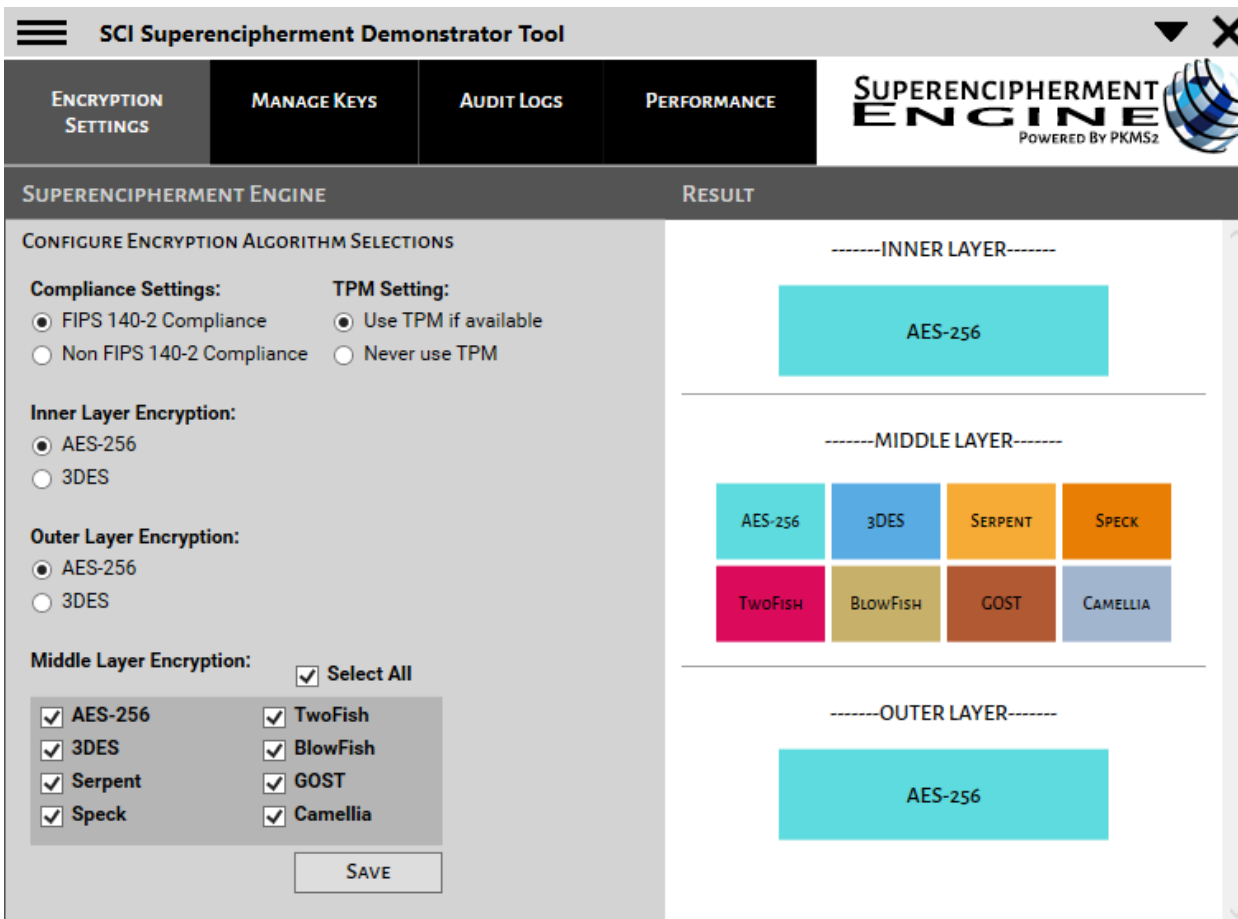


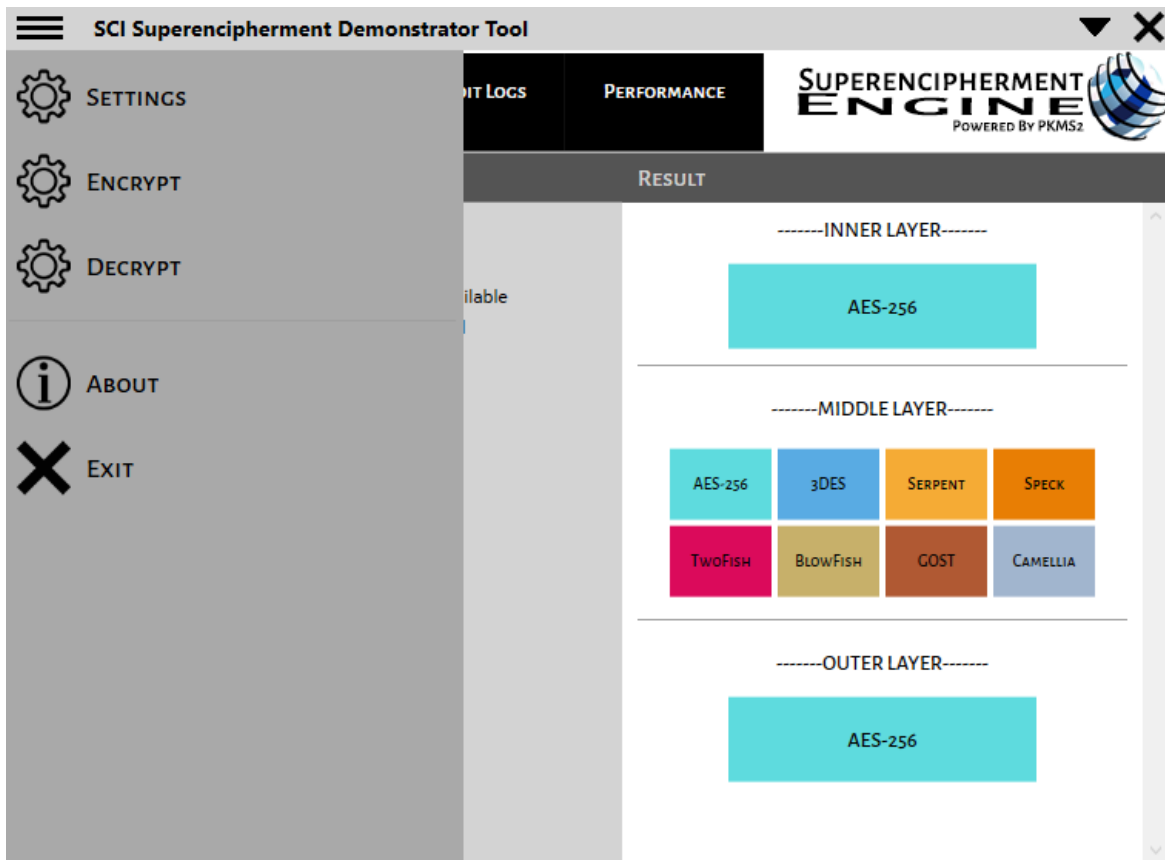
# SUPERENCIPHERMENT ENGINE GUIDE



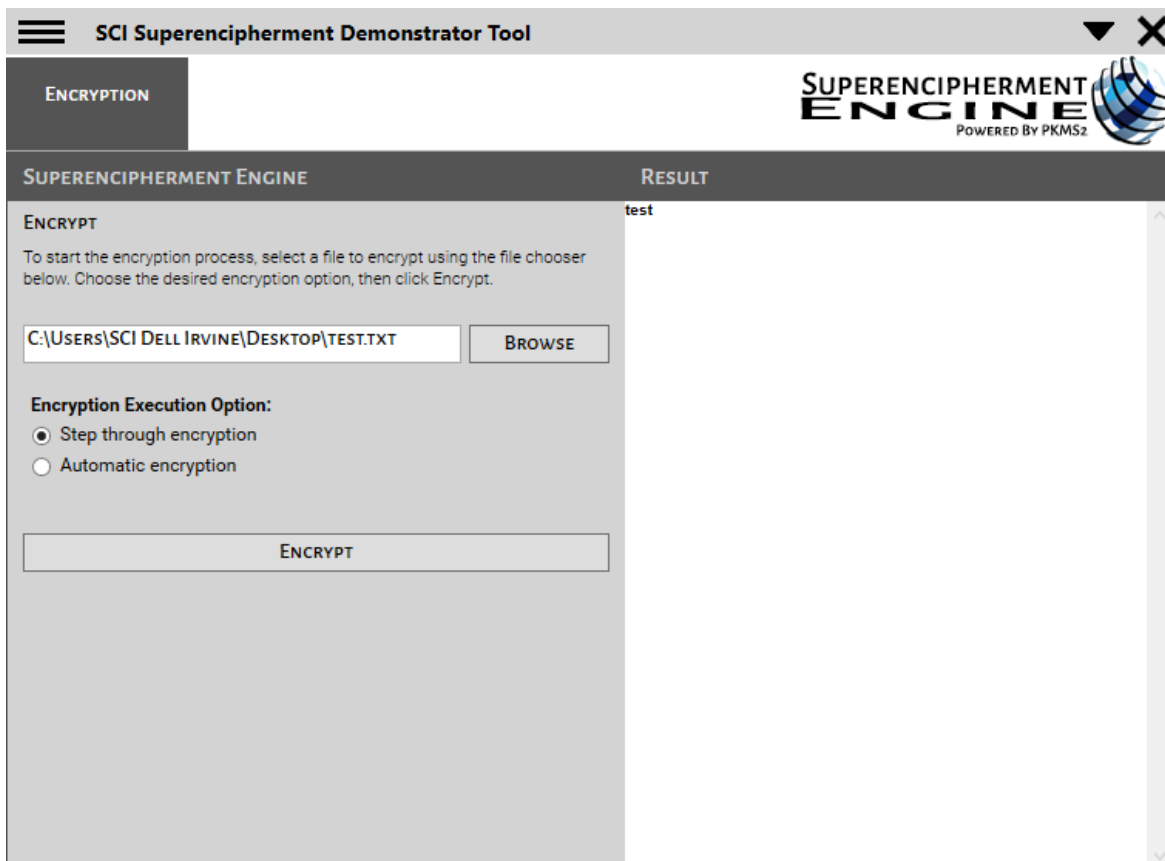
Right Click on Superencipherment Engine Application and select “Run as administrator”



Select the encryption settings you wish to use and click the save button at the bottom.



Left click the Menu Button in the upper left corner of the window and then click on the Encrypt button



Use the Browse button to select the file you wish to encrypt. Under Encryption Execution Options select "Step through encryption". Then push the Encrypt button





ENCRYPTION



SUPERENCIPHERMENT ENGINE

RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

GENERATE INNER LAYER KEY

ENCRYPT INNER LAYER

UPDATE PATTERN KEY

MIDDLE LAYER

SEGMENT MIDDLE LAYER

MAP ALGORITHMS TO SEGMENTS

GENERATE MIDDLE LAYER KEYS

ENCRYPT MIDDLE LAYER

UPDATE PATTERN KEY

OUTER LAYER

ASSEMBLE SEGMENTS

GENERATE OUTER LAYER KEY

ENCRYPT OUTER LAYER

UPDATE PATTERN KEY

FINAL LAYER

CONCATENATE PATTERN KEY

PERFORM FINAL ENCRYPTION

EXPORT ENCRYPTED DATA

CONTINUE

Inner	AES	00020001	0000	0010
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ENCRYPTION



SUPERENCIPHERMENT ENGINE

RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

GENERATE INNER LAYER KEY

ENCRYPT INNER LAYER

UPDATE PATTERN KEY

MIDDLE LAYER

SEGMENT MIDDLE LAYER

MAP ALGORITHMS TO SEGMENTS

GENERATE MIDDLE LAYER KEYS

ENCRYPT MIDDLE LAYER

UPDATE PATTERN KEY

OUTER LAYER

ASSEMBLE SEGMENTS

GENERATE OUTER LAYER KEY

ENCRYPT OUTER LAYER

UPDATE PATTERN KEY

FINAL LAYER

CONCATENATE PATTERN KEY

PERFORM FINAL ENCRYPTION

EXPORT ENCRYPTED DATA

CONTINUE

1	5291d151a7cec9baf294d393	Start: 0000
		End: 0024

ENCRYPTION



SUPERENCIPHERMENT ENGINE

RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

- GENERATE INNER LAYER KEY
- ENCRYPT INNER LAYER
- UPDATE PATTERN KEY

MIDDLE LAYER

- SEGMENT MIDDLE LAYER
- MAP ALGORITHMS TO SEGMENTS
- GENERATE MIDDLE LAYER KEYS
- ENCRYPT MIDDLE LAYER
- UPDATE PATTERN KEY

OUTER LAYER

- ASSEMBLE SEGMENTS
- GENERATE OUTER LAYER KEY
- ENCRYPT OUTER LAYER
- UPDATE PATTERN KEY

FINAL LAYER

- CONCATENATE PATTERN KEY
- PERFORM FINAL ENCRYPTION
- EXPORT ENCRYPTED DATA

CONTINUE

1 5291d151a7cec9baf294d39340af950a01  
f6813e13ae2716

TripleDES

ENCRYPTION



SUPERENCIPHERMENT ENGINE

RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

- GENERATE INNER LAYER KEY
- ENCRYPT INNER LAYER
- UPDATE PATTERN KEY

MIDDLE LAYER

- SEGMENT MIDDLE LAYER
- MAP ALGORITHMS TO SEGMENTS
- GENERATE MIDDLE LAYER KEYS
- ENCRYPT MIDDLE LAYER
- UPDATE PATTERN KEY

OUTER LAYER

- ASSEMBLE SEGMENTS
- GENERATE OUTER LAYER KEY
- ENCRYPT OUTER LAYER
- UPDATE PATTERN KEY

FINAL LAYER

- CONCATENATE PATTERN KEY
- PERFORM FINAL ENCRYPTION
- EXPORT ENCRYPTED DATA

CONTINUE

1 Key f4c5da533e659f0359f458282262734b8  
a47db796c1c5669^49963d4562e4f2ef  
S/N 00020002

2 Key 7730ed5c6cfd277e1b745f82d6a0e23  
d1ef3bab84947e6c7859dc7185ceba4e  
^fe6809543e23451f80bc0eed92bc65  
4  
S/N 00020003

SUPERENCIPHERMENT ENGINE

RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

- GENERATE INNER LAYER KEY
- ENCRYPT INNER LAYER
- UPDATE PATTERN KEY

MIDDLE LAYER

- SEGMENT MIDDLE LAYER
- MAP ALGORITHMS TO SEGMENTS
- GENERATE MIDDLE LAYER KEYS
- ENCRYPT MIDDLE LAYER
- UPDATE PATTERN KEY

OUTER LAYER

- ASSEMBLE SEGMENTS
- GENERATE OUTER LAYER KEY
- ENCRYPT OUTER LAYER
- UPDATE PATTERN KEY

FINAL LAYER

- CONCATENATE PATTERN KEY
- PERFORM FINAL ENCRYPTION
- EXPORT ENCRYPTED DATA

CONTINUE

1	5291d151a7cec9ba f294d393	TripleDES	
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SUPERENCIPHERMENT ENGINE

RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

- GENERATE INNER LAYER KEY
- ENCRYPT INNER LAYER
- UPDATE PATTERN KEY

MIDDLE LAYER

- SEGMENT MIDDLE LAYER
- MAP ALGORITHMS TO SEGMENTS
- GENERATE MIDDLE LAYER KEYS
- ENCRYPT MIDDLE LAYER
- UPDATE PATTERN KEY

OUTER LAYER

- ASSEMBLE SEGMENTS
- GENERATE OUTER LAYER KEY
- ENCRYPT OUTER LAYER
- UPDATE PATTERN KEY

FINAL LAYER

- CONCATENATE PATTERN KEY
- PERFORM FINAL ENCRYPTION
- EXPORT ENCRYPTED DATA

CONTINUE

Inner	AES	00020001	0000	0010
0001	TripleDES	00020002	0000	0024
0002	AES	00020003	0024	0023

ENCRYPTION



SUPERENCIPHERMENT ENGINE

RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

- GENERATE INNER LAYER KEY
- ENCRYPT INNER LAYER
- UPDATE PATTERN KEY

MIDDLE LAYER

- SEGMENT MIDDLE LAYER
- MAP ALGORITHMS TO SEGMENTS
- GENERATE MIDDLE LAYER KEYS
- ENCRYPT MIDDLE LAYER
- UPDATE PATTERN KEY

OUTER LAYER

- ASSEMBLE SEGMENTS
- GENERATE OUTER LAYER KEY
- ENCRYPT OUTER LAYER
- UPDATE PATTERN KEY

FINAL LAYER

- CONCATENATE PATTERN KEY
- PERFORM FINAL ENCRYPTION
- EXPORT ENCRYPTED DATA

CONTINUE

```
24d8381f8a56fd76d061828d78d09abda362b1bb003
487173f935bcf0ffa25a50516a45f6017f094f11dbae12
ee93f0d8eb7e241ab24799d
```

ENCRYPTION



SUPERENCIPHERMENT ENGINE

RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

- GENERATE INNER LAYER KEY
- ENCRYPT INNER LAYER
- UPDATE PATTERN KEY

MIDDLE LAYER

- SEGMENT MIDDLE LAYER
- MAP ALGORITHMS TO SEGMENTS
- GENERATE MIDDLE LAYER KEYS
- ENCRYPT MIDDLE LAYER
- UPDATE PATTERN KEY

OUTER LAYER

- ASSEMBLE SEGMENTS
- GENERATE OUTER LAYER KEY
- ENCRYPT OUTER LAYER
- UPDATE PATTERN KEY

FINAL LAYER

- CONCATENATE PATTERN KEY
- PERFORM FINAL ENCRYPTION
- EXPORT ENCRYPTED DATA

CONTINUE

Outer	Key	7730ed5c6cfd277e1b745f82d6a0e2 3d1ef3bab84947e6c7859dc7185ceba 4e^fe6809543e23451f80bc0eed92b c654
	S/N	00020003

SUPERENCIPHERMENT ENGINE RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

- GENERATE INNER LAYER KEY
- ENCRYPT INNER LAYER
- UPDATE PATTERN KEY

OUTER LAYER

- ASSEMBLE SEGMENTS
- GENERATE OUTER LAYER KEY
- ENCRYPT OUTER LAYER
- UPDATE PATTERN KEY

MIDDLE LAYER

- SEGMENT MIDDLE LAYER
- MAP ALGORITHMS TO SEGMENTS
- GENERATE MIDDLE LAYER KEYS
- ENCRYPT MIDDLE LAYER
- UPDATE PATTERN KEY

FINAL LAYER

- CONCATENATE PATTERN KEY
- PERFORM FINAL ENCRYPTION
- EXPORT ENCRYPTED DATA

CONTINUE

沙菀健煦皆縑緻秧畹鎔翥

**AES**

靛±迹□唼○□临郢丁唼嶸鄞脩聃

SUPERENCIPHERMENT ENGINE RESULT

ENCRYPT

The steps of the Superencipherment process are displayed below, with the current step highlighted. The results of each step will be displayed in the Results Window. To proceed to the next step, click the Continue button.

INNER LAYER

- GENERATE INNER LAYER KEY
- ENCRYPT INNER LAYER
- UPDATE PATTERN KEY

OUTER LAYER

- ASSEMBLE SEGMENTS
- GENERATE OUTER LAYER KEY
- ENCRYPT OUTER LAYER
- UPDATE PATTERN KEY

MIDDLE LAYER

- SEGMENT MIDDLE LAYER
- MAP ALGORITHMS TO SEGMENTS
- GENERATE MIDDLE LAYER KEYS
- ENCRYPT MIDDLE LAYER
- UPDATE PATTERN KEY

FINAL LAYER

- CONCATENATE PATTERN KEY
- PERFORM FINAL ENCRYPTION
- EXPORT ENCRYPTED DATA

CONTINUE

Inner	AES	00020001	0000	0010
0001	TripleDES	00020002	0000	0024
0002	AES	00020003	0024	0023
Outer	AES	00020003	0000	0000



