

How to use secure-prop-tool

This tool supports encryption/decryption of strings and encryption/decryption of individual properties values in a YAML file.

1 SUPPORTED FILES AND CONFIGURATION

This tool accepts only YAML files.

Supports all combinations of algorithms and modes used in MuleSoft Secure property module.

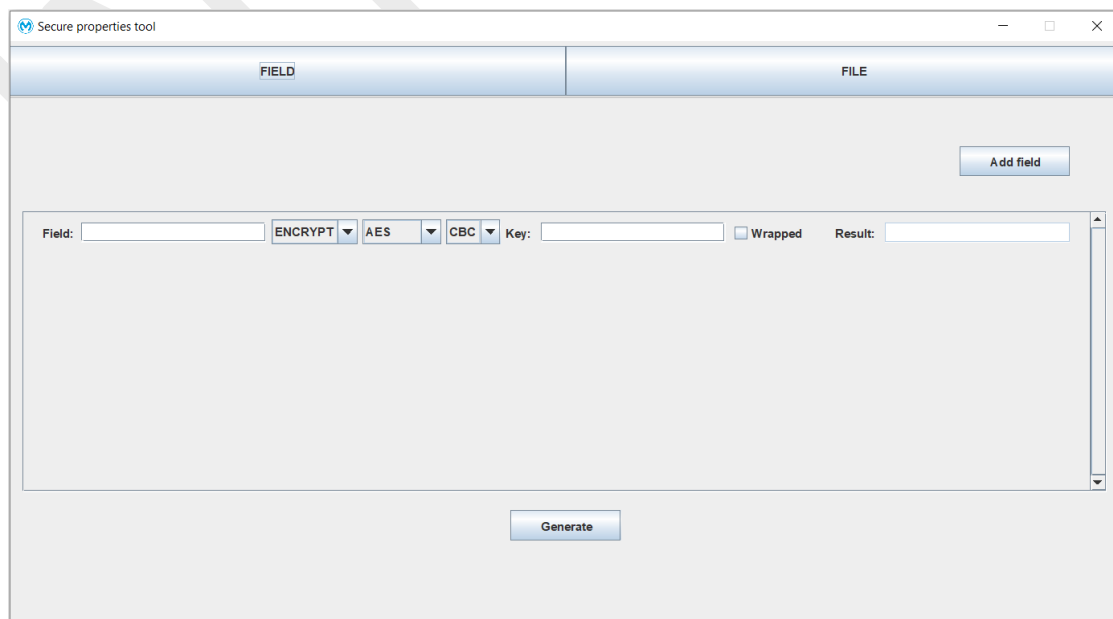
2 HOW TO RUN

To run the secure-prop-tool.jar follow these steps:

1. Navigate to the folder where the secure-prop-tool.jar file is located.
2. Open command line interface in the folder.
3. Once the command line interface has opened, type in the following command:
`java -jar secure-prop-tool.jar`
4. Press Enter to execute the command and run the secure-prop-tool.jar file.

3 ENCRYPTION AND DECRYPTION OF STRINGS

When the jar is ran, this windows gets opened.



The button "Add field" is used to add a new row for encryption/decryption of a string.

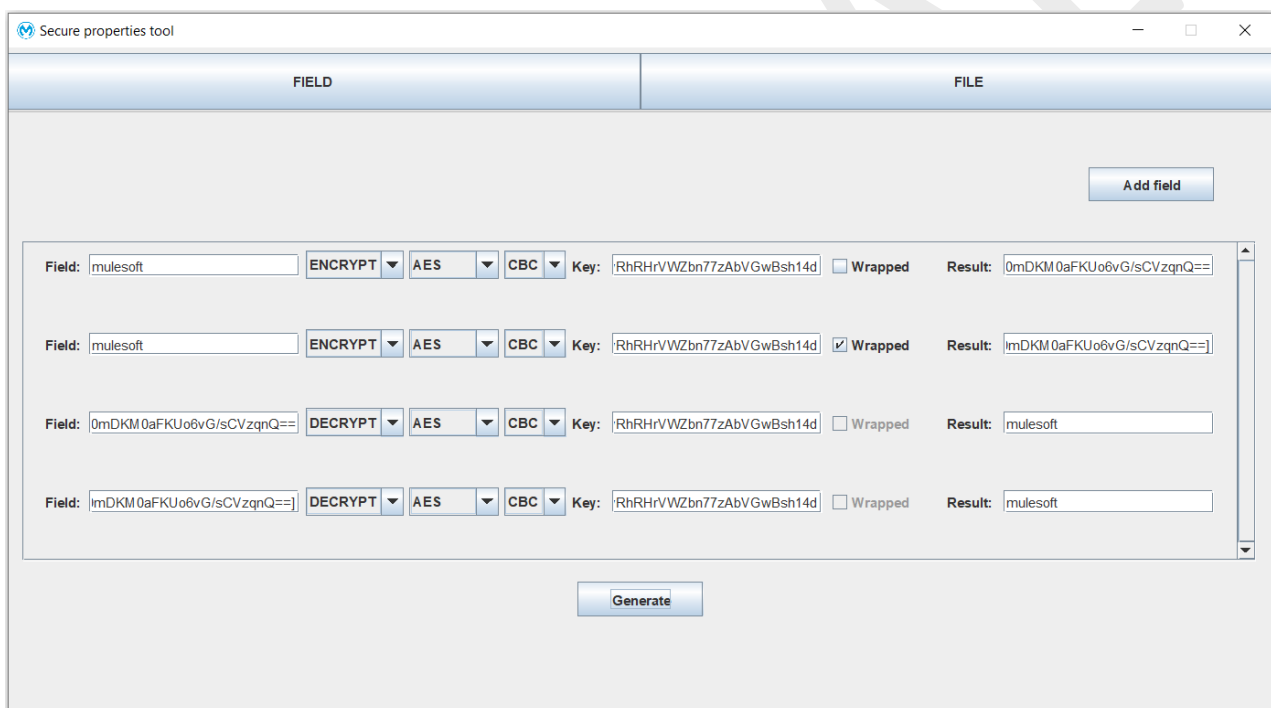
The "Field" text field should be populated with the string that needs to be encrypted/decrypted. The dropdown next to it has options: "ENCRYPT" and "DECRYPT".

"Wrapped" checkbox is used to wrap the encrypted string with "[]".

The "Key" text field should be populated with the encryption key. Entered encryption key should not be less than 32 characters

If "DECRYPT" is chosen that the "Wrapped" checkbox is disabled. If you choose to decrypt a string, you can provide the string as it is or you can provide it wrapped in "[]".

When everything is populated and the configuration is set up, "Generate" button should be clicked and then the "Result" text field will be filled with encrypted/decrypted value of the given string.

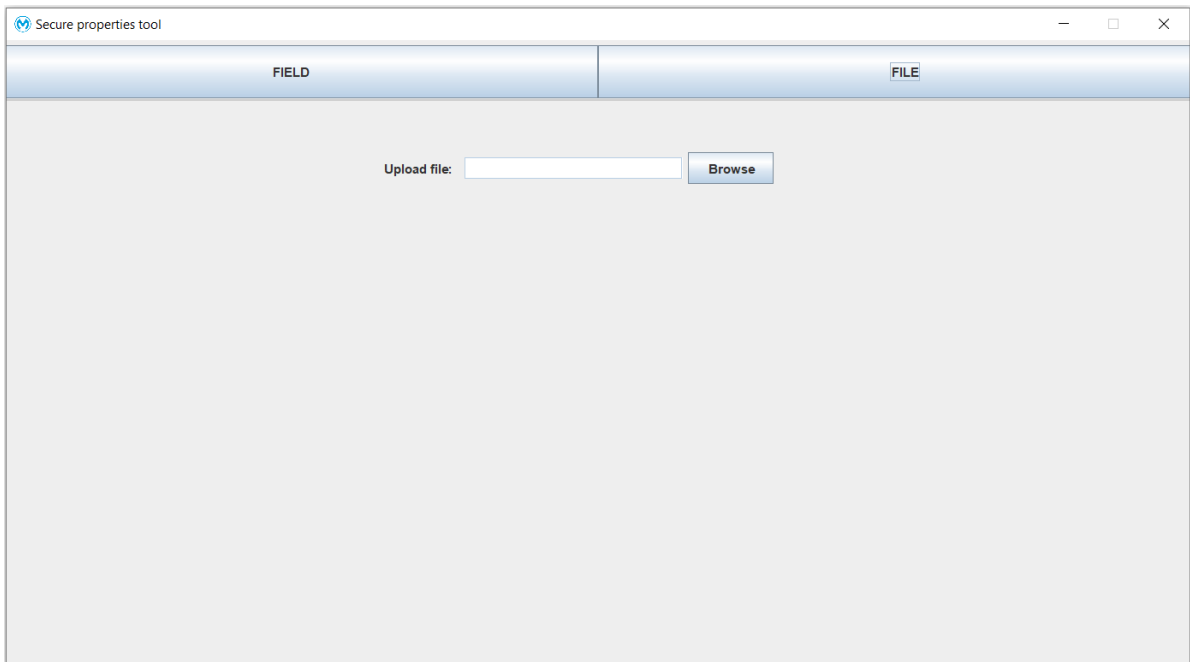


FIELD	FILE
Field: mulesoft	ENCRYPT AES CBC Key: RhRHrVWZbn77zAbVGwBsh14d <input type="checkbox"/> Wrapped Result: 0mDKM0aFKUo6vG/sCVzqnQ==
Field: mulesoft	ENCRYPT AES CBC Key: RhRHrVWZbn77zAbVGwBsh14d <input checked="" type="checkbox"/> Wrapped Result: []mDKM0aFKUo6vG/sCVzqnQ=[]
Field: 0mDKM0aFKUo6vG/sCVzqnQ==	DECRYPT AES CBC Key: RhRHrVWZbn77zAbVGwBsh14d <input type="checkbox"/> Wrapped Result: mulesoft
Field: []mDKM0aFKUo6vG/sCVzqnQ=[]	DECRYPT AES CBC Key: RhRHrVWZbn77zAbVGwBsh14d <input type="checkbox"/> Wrapped Result: mulesoft

Generate

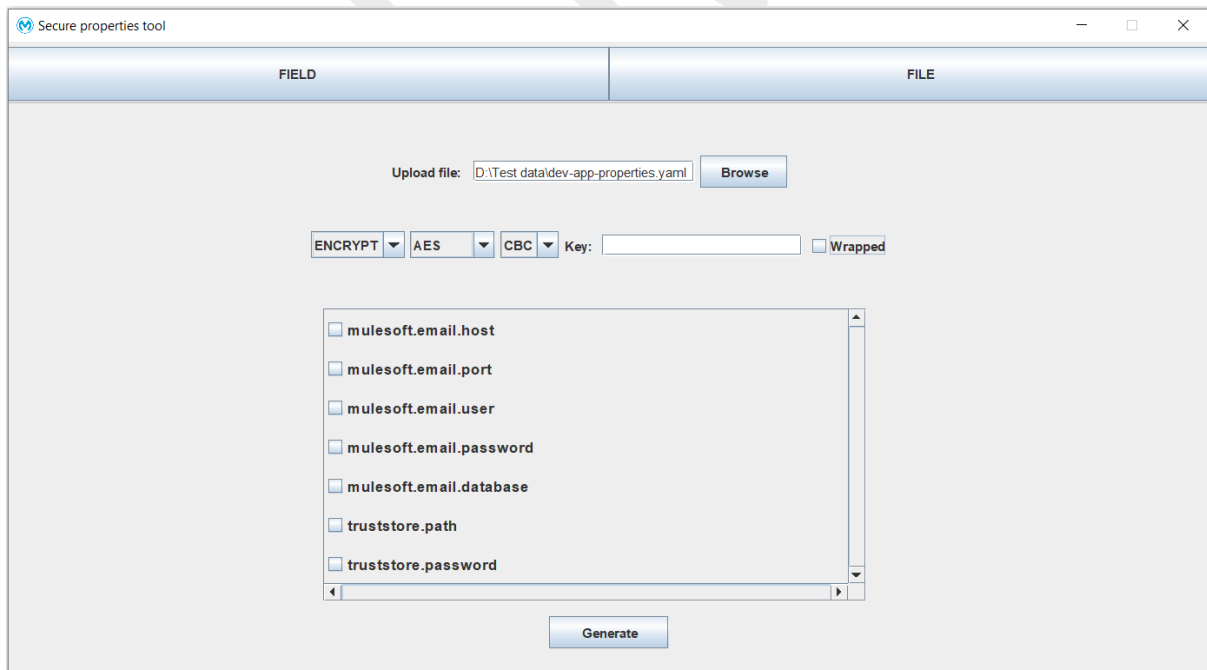
4 ENCRYPTION AND DECRYPTION OF INDIVIDUAL PROPERTIES VALUES IN A YAML FILE

When "File" tab is clicked, the window for encryption and decryption of individual properties values in a YAML file opens.



When "Browse" button is clicked, a file chooser component pops up.

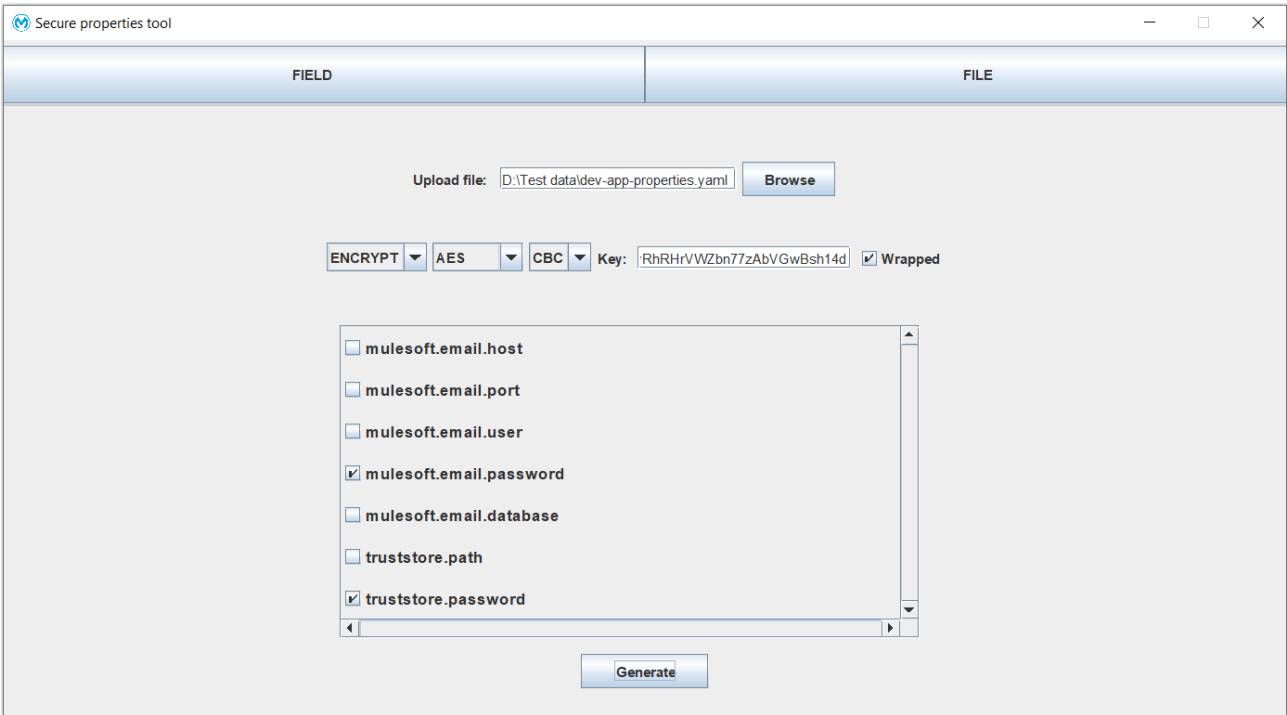
When a file is chosen from the local machine, a scroll pane with listed properties is added to the window.



Operation, algorithm and mode should be chosen.

The "Key" text field should be populated with the encryption key and desired properties need to be checked.

When the configuration is set up, the "Generate" button can be clicked and a new file with encrypted/decrypted properties will be generated. The location to save the file has to be provided.



Secure properties tool

FIELD FILE

Upload file: D:\Test data\dev-app-properties.yaml **Browse**

ENCRYPT AES CBC Key: RhRhrVWZbn77zAbVGwBsh14d ☒ Wrapped

- ☐ mulesoft.email.host
- ☐ mulesoft.email.port
- ☐ mulesoft.email.user
- ☒ mulesoft.email.password
- ☐ mulesoft.email.database
- ☐ truststore.path
- ☒ truststore.password

Generate