RPass file function

Created on 01/03/2022

RPass saves it’s user settings with the following properties:

* Saves the settings in lines, encrypted with AES
* There are 3 key lines and they need to be placed at specific locations
* The lines that contain “\*” are optional
* “last” represents the last line in the file
* First key calls the start of user info, is fixed, on line 1
* Second key, user passwords, is fixed, on line 8
* Third key, checksum, relative, on line last-1
* The 3 keys represents the acceptance of RPass Eula

File structure:

* Line 1: First key, user info // tehnically line 0
* Line 2: User’s master password // tehnically line 1
* Line 3: User’s language setting
* Line 4: User’s name
* Line 5: User’s salt
* Line 6: User’s icon color setting
* Line 7: User’s theme setting
* Line 8: Second key, user passwords // tehnically 7
* \*Line 9: n Password name (for n = 0)
* \*Line 10: n Password password
* \*Line 11: n Password site link
* \*Line 12: n Password description
* \*Line 13: n Password old password 1
* \*Line 14: n Password old password 2
* \*Line 15: n Password old password 3
* \*Line 16: … (for n = 1)
* Line last-1: Third key, checksum
* Line last: Checksum

RPass checksum has the following properties:

* Checksum is composed by ALL the lines in the file
* All the lines in the file are the original lines except the last line (the checksum line) that is replaced by the login name WHILE checksuming, thus modifying the file contents, including the name of it, makes the checksum invalid