Password Vault (TEE) – w/ a Chrome Extension

(TEE = Trusted Execution Environment)
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Applet (java)



Host/Server



Chrome Extension

(JavaScript)

- +generatePassword
- +sendResponse
- +onInit
- +onClose

FlashStorageAPI

- +getPassword
- +getAllPasswords
- +resetData
- +saveData
- +loadData
- +testPassword

WSBehav_Applet

- +onOpen
- +onMessage
- +onClose
- +sendMsgToClient

AppletAPI

- +GetPassword
- +ResetMemory
- +GetAllPasswords
- +SignIn
- +Register

Buttons:

- Register
- sign-in
- getPassword
- getPasswords
- resetMemory
- connectToSocket

WebSocketAPI

- +onMessage
- +sendMsgToServer
- +initialize