

# IT Security Tools

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# Password protection on Word

The screenshot displays the Microsoft Word application window titled "ITSecurity.docx - Word". The interface includes a blue ribbon on the left with options like Home, New, Open, Info, Save, Save As, History, Print, Share, Export, and Close. The main area shows the "Info" tab with sections for "Protect Document", "Inspect Document", and "Manage Document". A "Protect Document" dialog box is open, prompting the user to "Encrypt the contents of this file" and enter a password. The dialog box includes a "Password:" field, a caution message, and "OK" and "Cancel" buttons. The right sidebar shows document properties such as Size (17.3KB), Pages (2), Words (312), Total Editing Time (10 Minutes), Title, Tags, Comments, Related Dates, and Related People.

ITSecurity.docx - Word

Info

ITSecurity

E:\Teaching\ICAI\IT Security Management

Protect Document

Control what types of changes people can make to this document.

Inspect Document

Before publishing this file, be aware that publishing this file may make some information in the document available to others.

Document properties, author's name, and content that people with disabilities can't see.

Manage Document

There are no unsaved changes.

Encrypt Document

Encrypt the contents of this file

Password:

Caution: If you lose or forget the password, it cannot be recovered. It is advisable to keep a list of passwords and their corresponding document names in a safe place. (Remember that passwords are case-sensitive.)

OK Cancel

Properties

Size 17.3KB

Pages 2

Words 312

Total Editing Time 10 Minutes

Title Add a title

Tags Add a tag

Comments Add comments

Related Dates

Last Modified Today, 16:34

Created 18-05-2020 14:18

Last Printed 18-05-2020 14:21

Related People

Author SV Sohrab Vakharia

Add an author

Last Modified By SV Sohrab Vakharia

ICAI-IT Security; Sohrab V & Asif R Account



# Wireshark

The image shows the Wireshark network traffic analysis interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, and Help. The toolbar contains various icons for packet capture and analysis. The packet list pane shows a list of captured packets, with the selected packet (No. 123) being an HTTP POST request to /wp-login.php. The packet details pane shows the structure of the selected packet, including the HTTP request line, headers, and body. The packet bytes pane shows the raw data of the selected packet, with the body content being URL-encoded form data.

Wireshark interface showing a captured HTTP POST request to /wp-login.php. The packet list shows the selected packet (No. 123) and its details (HTTP request line, headers, and body). The packet bytes pane shows the raw data of the selected packet, including the body content (URL-encoded form data).

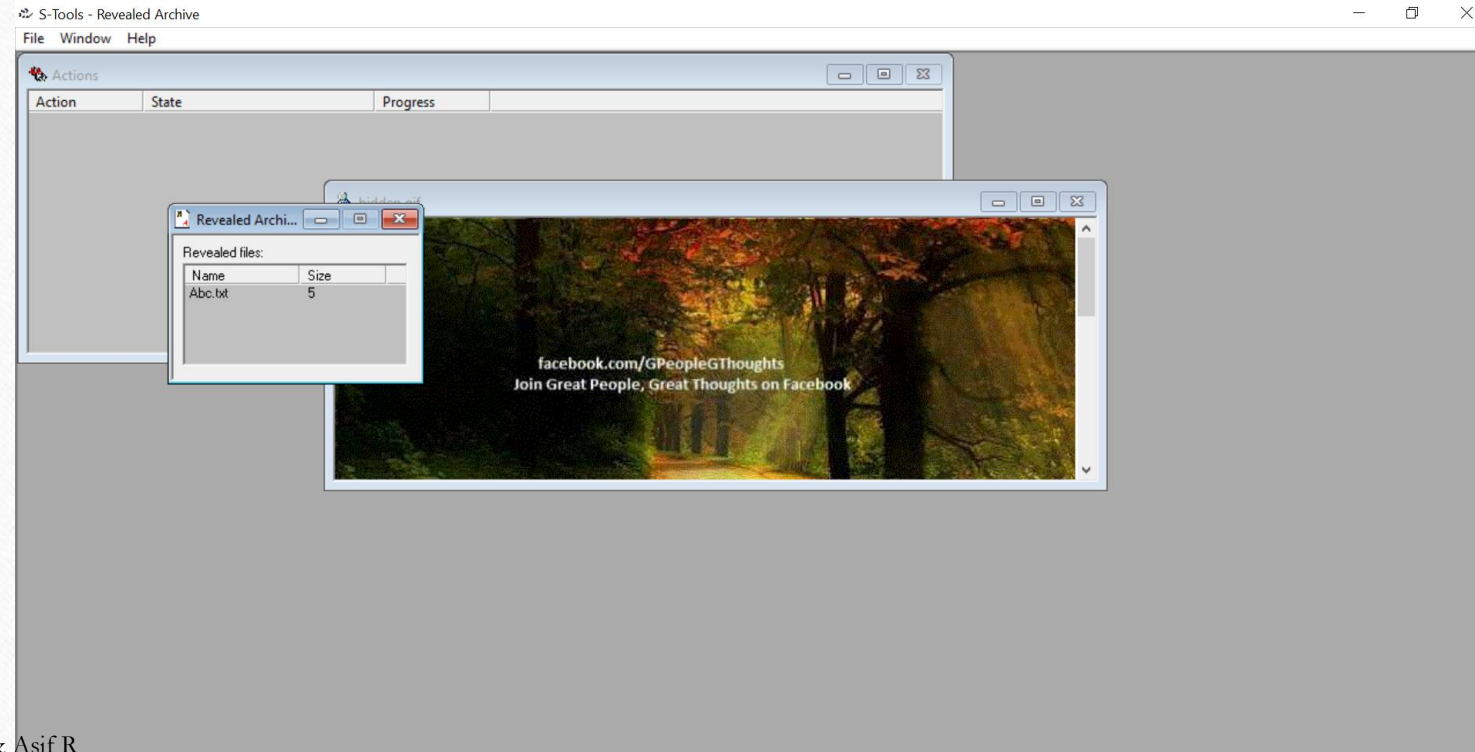
No.	Time	Source	Destination	Protocol	Length	Info
122...	275.428565	162.251.85.205	192.168.43.126	HTTP	816	HTTP/1.1 200 OK (application/javascript)
122...	275.477033	162.251.85.205	192.168.43.126	HTTP	587	HTTP/1.1 200 OK (application/javascript)
122...	275.498192	162.251.85.205	192.168.43.126	HTTP	922	HTTP/1.1 200 OK (application/javascript)
122...	275.556125	162.251.85.205	192.168.43.126	HTTP	1229	HTTP/1.1 200 OK (application/javascript)
122...	275.643746	162.251.85.205	192.168.43.126	HTTP/...	386	HTTP/1.1 200 OK
122...	275.757511	192.168.43.126	162.251.85.205	HTTP	545	GET /wp-includes/js/zxcvbn.min.js HTTP/1.1
123...	278.777391	162.251.85.205	192.168.43.126	HTTP	180	HTTP/1.1 200 OK (application/javascript)
123...	290.704793	192.168.43.126	162.251.85.205	HTTP	1048	POST /wp-login.php HTTP/1.1 (application/x-www-form-urlencoded)
123...	291.985755	162.251.85.205	192.168.43.126	HTTP	1244	HTTP/1.1 200 OK (text/html)

[Full request URI: http://www.tahachatriwala.in/wp-login.php]  
[HTTP request 1/1]  
[Response in frame: 123220]  
File Data: 233 bytes  
HTML Form URL Encoded: application/x-www-form-urlencoded  
Form item: "log" = "sohrab"  
Key: log  
Value: sohrab  
Form item: "pwd" = "test123"  
Key: pwd

0310 74 65 73 74 5f 63 6f 6f 6b 69 65 3d 57 50 2b 43 test\_coo kie=WP+C  
0320 6f 6f 6b 69 65 2b 63 68 65 63 6b 0d 0a 0d 0a 6c ookie+ch eck...l  
0330 6f 67 3d 73 6f 68 72 61 62 26 70 77 64 3d 74 65 og=sohra l&pwd=te  
0340 73 74 31 32 33 26 61 69 6f 77 70 73 2d 63 61 70 st123&ai owps-cap  
0350 74 63 68 61 2d 73 74 72 69 6e 67 2d 69 6e 66 6f tcha-str ing-info  
0360 3d 71 78 6c 77 76 62 6a 62 35 79 26 61 69 6f 77 =qxlvwbj b5y&aiow  
0370 70 73 2d 63 61 70 74 63 68 61 2d 74 65 6d 70 2d ps-captc ha-temp-  
0380 73 74 72 69 6e 67 3d 31 35 38 39 39 37 35 37 30 string=1 58997570

Bytes 819-824: Value (urlencoded-form.value) | Packets: 123893 · Displayed: 83 (0.1%) | Profile: Default

# S-Tool



# File Vault (Macintosh PCs)



<https://support.apple.com/en-in/HT204837>



# Veracrypt

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- <https://www.veracrypt.fr/en/Downloads.html>
- <https://www.veracrypt.fr/en/Beginner%27s%20Tutorial.html>

# Bitlocker

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- <https://www.microsoft.com/en-in/download/details.aspx?id=7806>

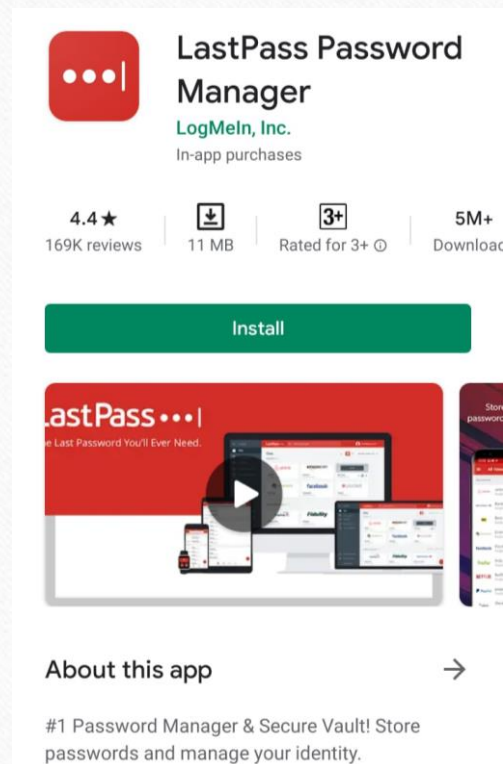
# AxCrypt

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- <https://www.axcrypt.net/download/>
- <https://www.axcrypt.net/information/get-started/>



# LastPass mobile app



# Online data saving tools examples:

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- Dropbox
- Gdrive
- One-Drive
- Amazon drive
- Apple icloud
- Server space (cheaper)

# Mobile security:

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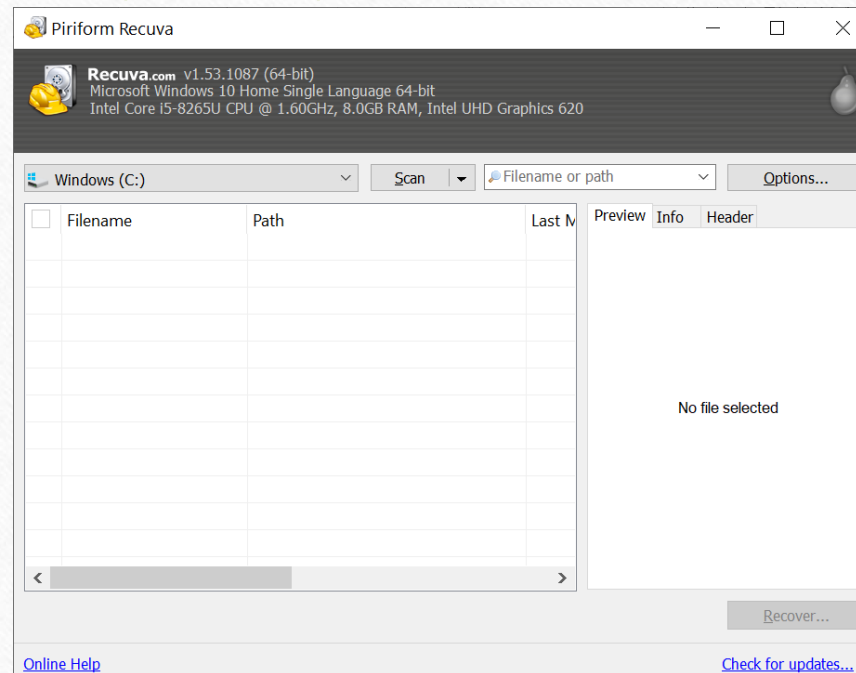
Reference:

<http://www.tahachatriwala.in/prevent-smartphone-getting-hacked/>

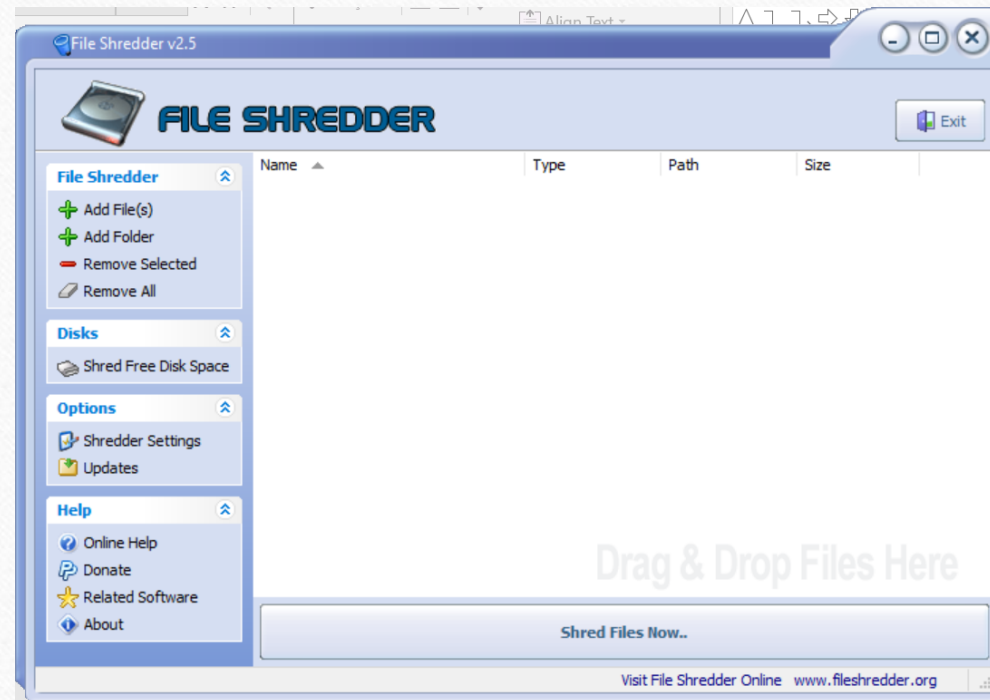


# Data Recovery tool

- <https://www.ccleaner.com/recuva/download>



# Data Purge tools



# File shredder

