Experiment 9: Implementation of IT Audit, malware analysis and Vulnerability assessment and generate the report.

Step1:

Collection Information about Malware:

How a malware is collected.

Step2:

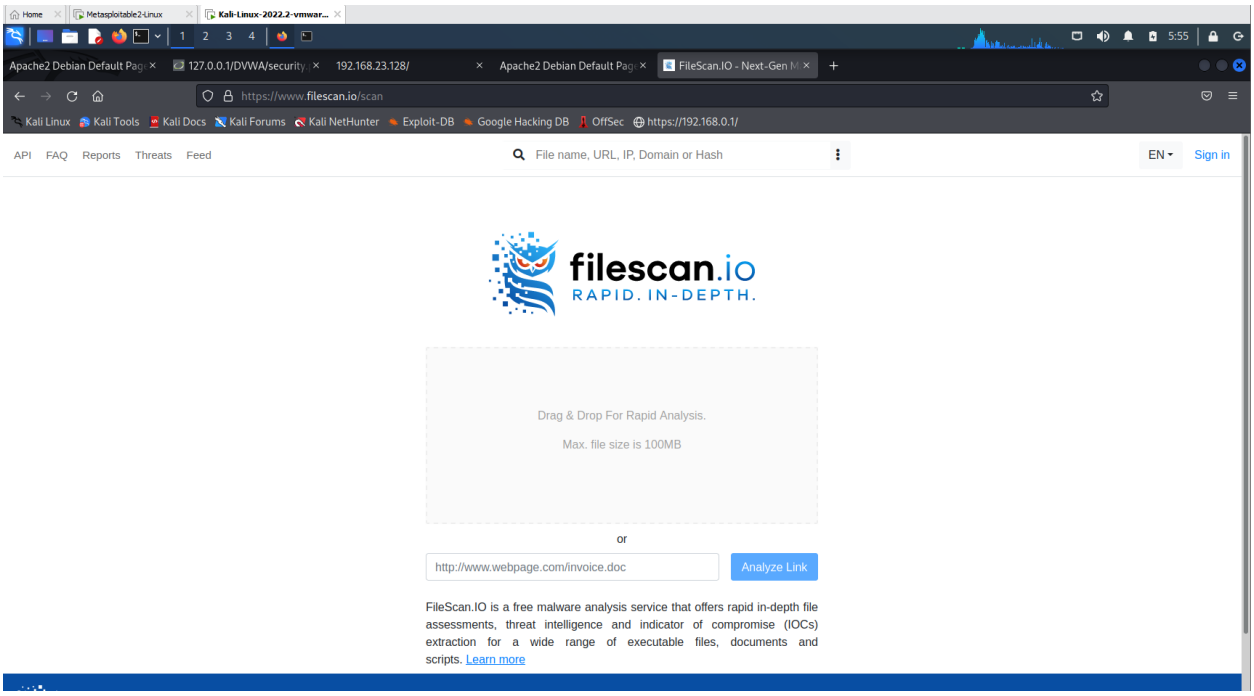
Basic Information about malware:

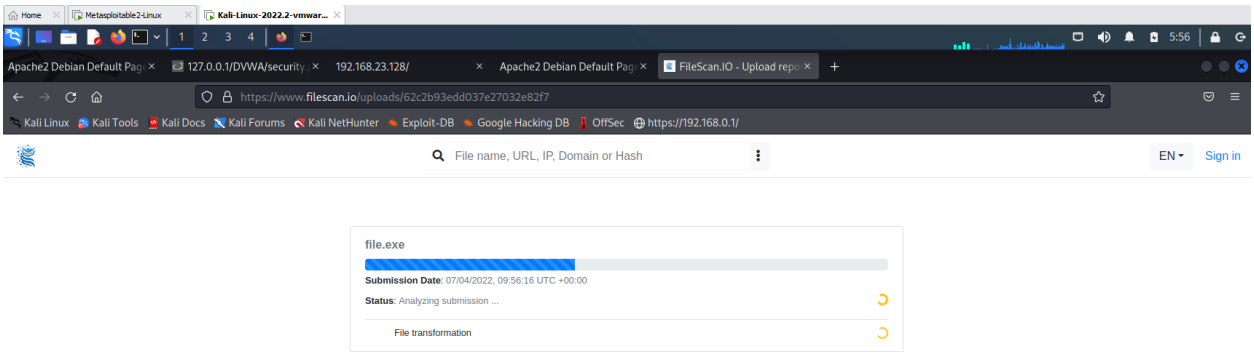
Name: file.exe
Media Type: application/x-msdownload
SHA-256: d01d08621690c1a7a0f41bdd1bb02ec05d418ef68b06cd3cfd54fbb3f58ba80a
Report ID: 37cec6e6-0778-4c35-9cb3-d177c1e6e34a
Submission ID: 62c24f59783441cda10213de
Submission Date: 07/04/2022, 02:24:27

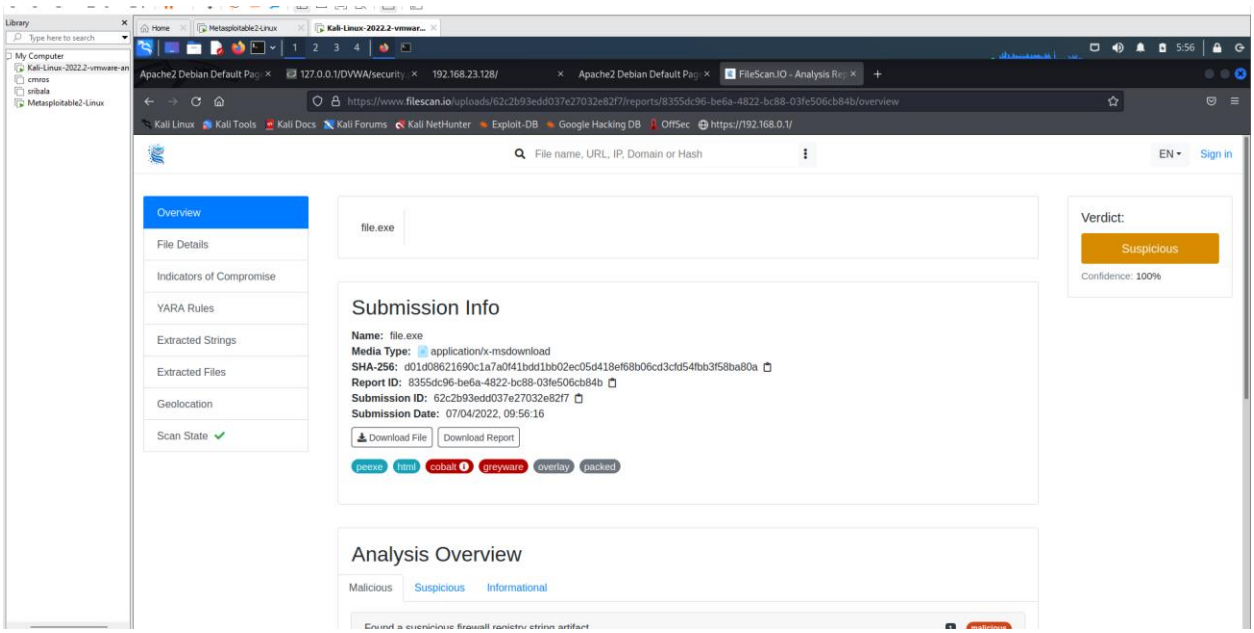
Step3:

Report from filescan.io

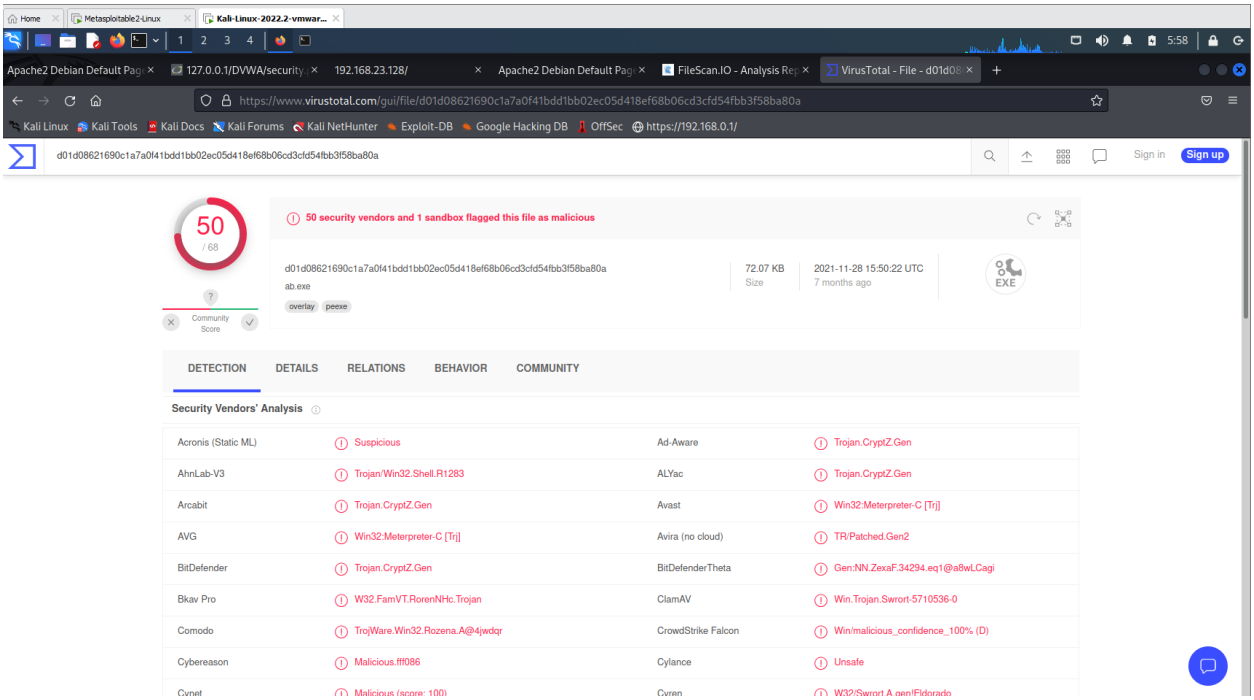
In filescan.io







Report in virustotal



Final deduction

Final report.

IT Audit: Do the port scanning of the computer using nmap/zenmap to identify the open ports and see if services running on those ports are vulnerable or not. Write a report on it. [Note: Clear any firewall rules that you have added by using the command sudo iptables –F]

VIVA Questions

1. What is malware?

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2. What is port scanning?

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3. List out any two websites used to get the malware analysis report?

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4. What is nmap/Zenmap tool?Why is it used?

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5. How is malware collected?

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Experiment 10: Test security of UPI applications on Desktop sharing applications.

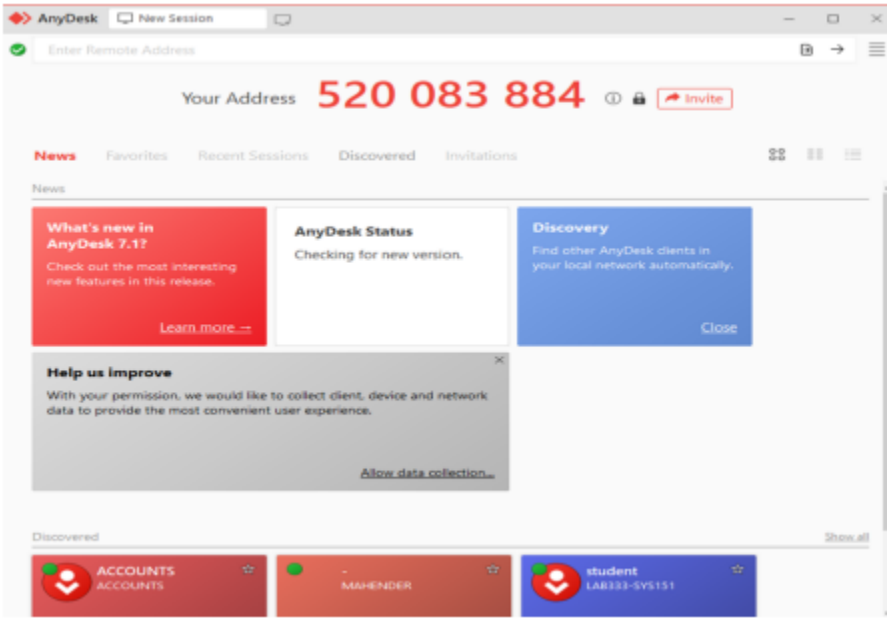
Step 1:
Download and install UPI application on your phone
Download and install Teamviewer on your phone and computer
Download and install Anydesk on your phone and computer

Step 2:
Test the security of the application and fill the table (keep adding more applications as you test)

List of UPI Apps

UPI Apps	Team Viewer	Any Desk
BHIM		
Google Pay		

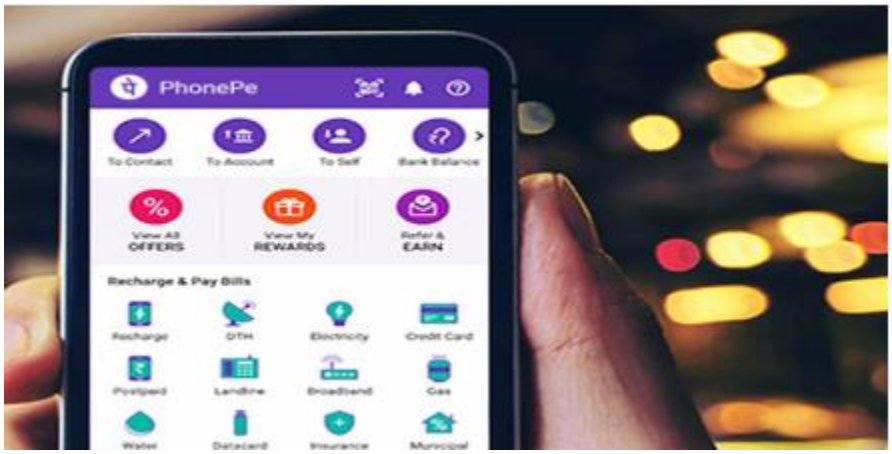
AnyDesk Login



Download anyDesk in mobile

Connect both Mobile with Desktop

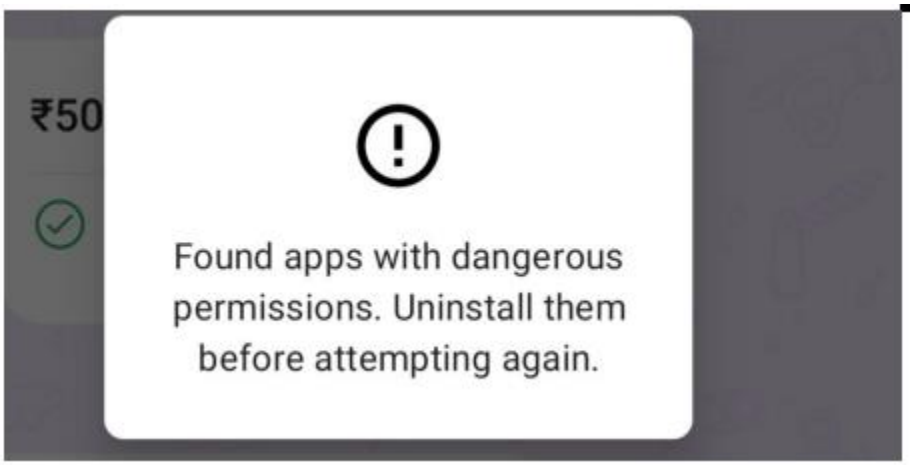
Open any UPI Application



Try to perform any online transaction like sending a negligible amount to any of your contacts.

With the security measures followed by UPI applications it should not allow any transactions

It should display following message in the mobile.



VIVA Questions

1.List out a few UPI Apps?

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2. What is security policy?

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3. What is a software license?

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4. Why is security testing required?

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5. What is Steganography?

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