

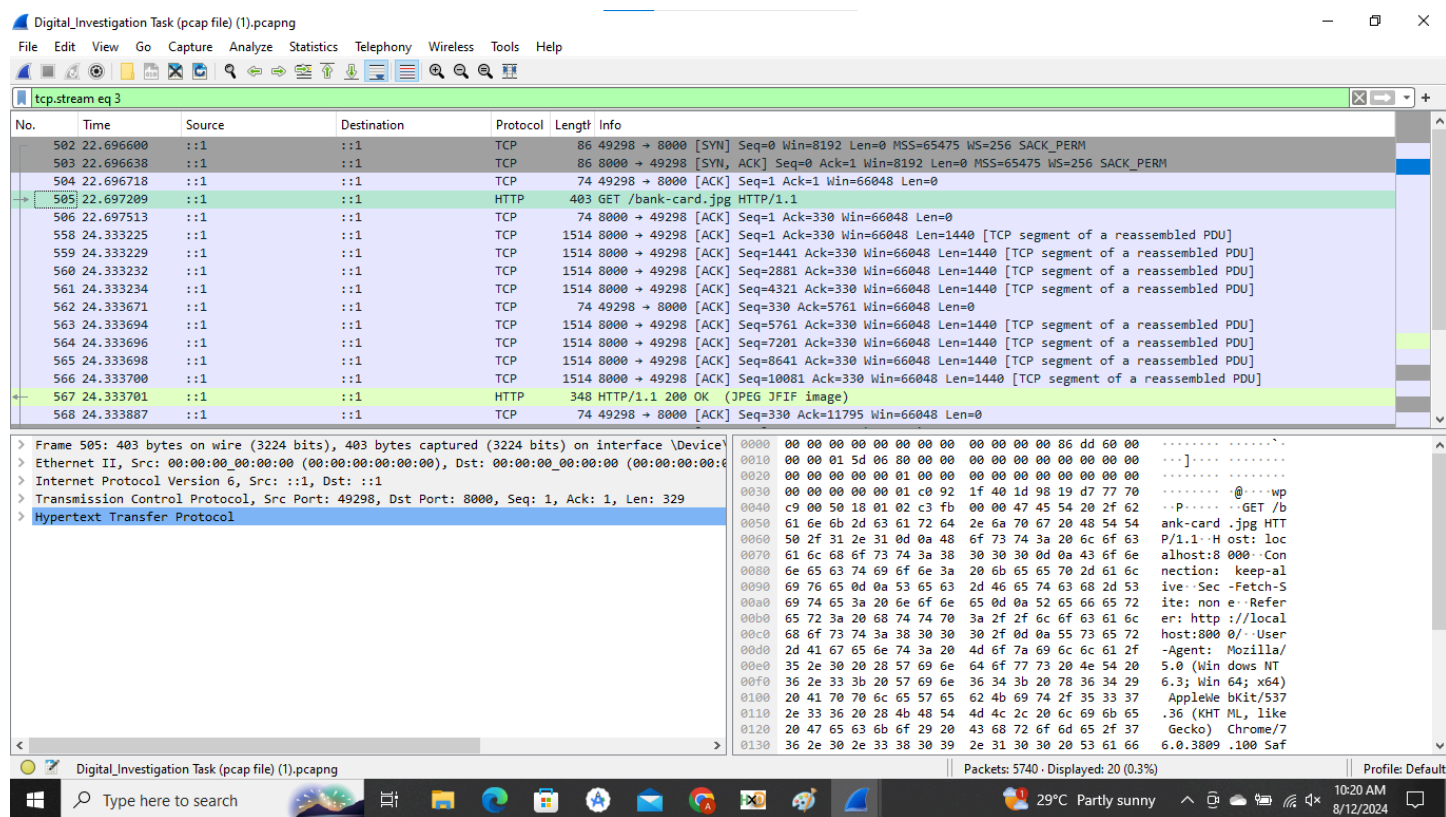
### Sub-task 1:

- *anz-logo.jpg and bank-card.jpg are two images that show up in the user's network traffic.*
- *Extract these images from the pcap file and attach them to your report.*

### Packet Capture Analysis:

I analyzed the provided packet capture file using Wireshark, a free network analysis tool. By applying the “http” filter, I was able to narrow down the traffic to display only HTTP packets. This allowed me to observe several notable HTTP GET requests, including one specifically requesting a file named **anz-logo.jpg and card.jpg**.

Further, I examined the associated TCP stream.



The data within the TCP stream indicated that this GET request actually downloaded many images, as evidenced by the presence of more than one sets of headers and footers for a .jpg file. The headers and footers are identified by the hex values FFD8 and FFD9, respectively, and the images are recognizable in ASCII by the ‘JFIF’ string near the beginning.



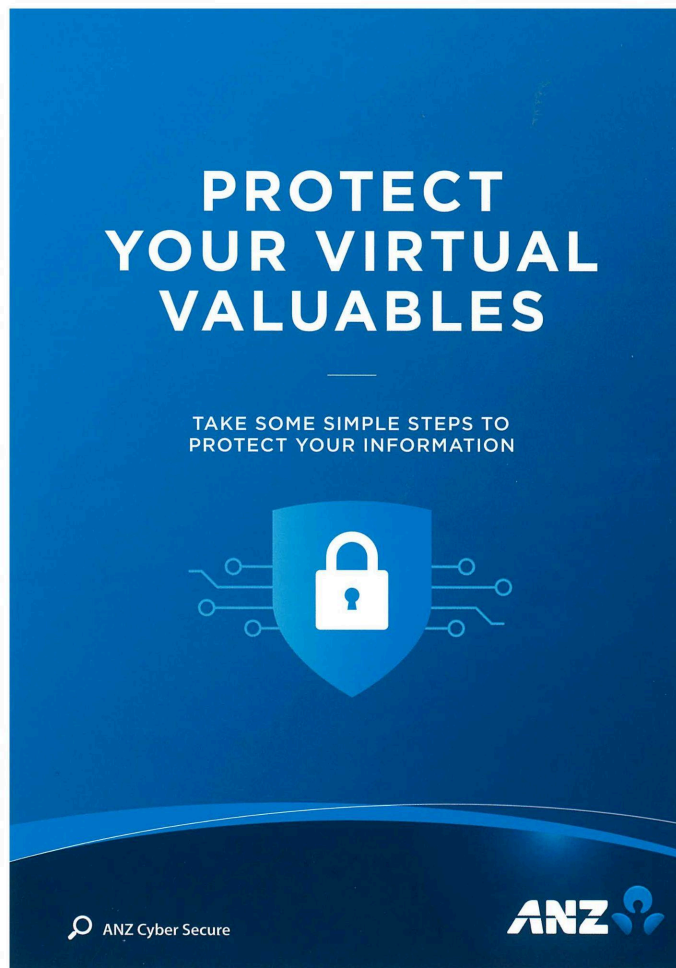
and for the second image i followed the same process and the image for card.jpg is given below



card.jpg

### Sub-task 2:

- The network traffic for the images "ANZ1.jpg" and "ANZ2.jpg" is more than it appears.
- Extract the images, include them and mention what is different about them in your report.



ANZ1.jpg

## MAKE A 'PACT'

TO PROTECT YOUR VIRTUAL VALUABLES



**PAUSE**  
before sharing your  
personal information

Ask yourself, do I really need to give my information to this website or this person? If it doesn't feel right, don't share it.



**CALL OUT**  
suspicious messages

Be aware of current scams. If an email, call or SMS seems unusual, check it through official contact points or report it.



**ACTIVATE**  
two layers of security with  
two-factor authentication

Use two-factor authentication for an extra layer of security to keep your personal information safe.



**TURN ON**  
automatic  
software updates

Set your software, operating system and apps to auto update to make sure you get the latest security features.

#### Report suspicious messages from ANZ:

Email [hoax@cybersecurity.anz.com](mailto:hoax@cybersecurity.anz.com)

#### Report fraudulent or unusual ANZ account activity:

137 028 / +61 3 8693 7153 (Corporate/Business Clients)

133 350 / +61 3 9683 8833 (Personal Banking Customers)

Australia and New Zealand Banking Group Limited (ANZ) ABN 11 005 357 522. Item No. 96184B 09/2018 AU22349

ANZ2.jpg

There are many headers and footers in these images

### Sub-task 3:

- The user downloaded a suspicious document called "how-to-commit-crimes.docx"
- Find the contents of this file and include it in your report.

The contents of this docx file is given below

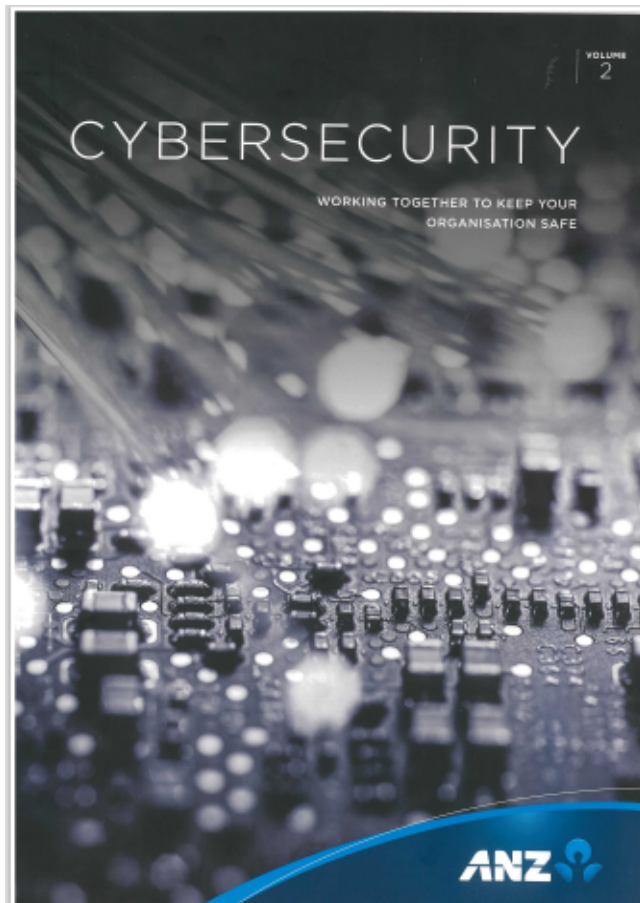
**Step 1: Find target**

**Step 2: Hack them**

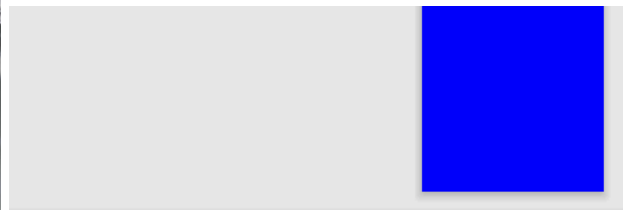
**This is a suspicious document.**

### Sub-task 4:

- The user accessed 3 pdf documents: *ANZ\_Document.pdf*, *ANZ\_Document2.pdf*, *evil.pdf*
- Extract and view these documents. Include images of them in your report.



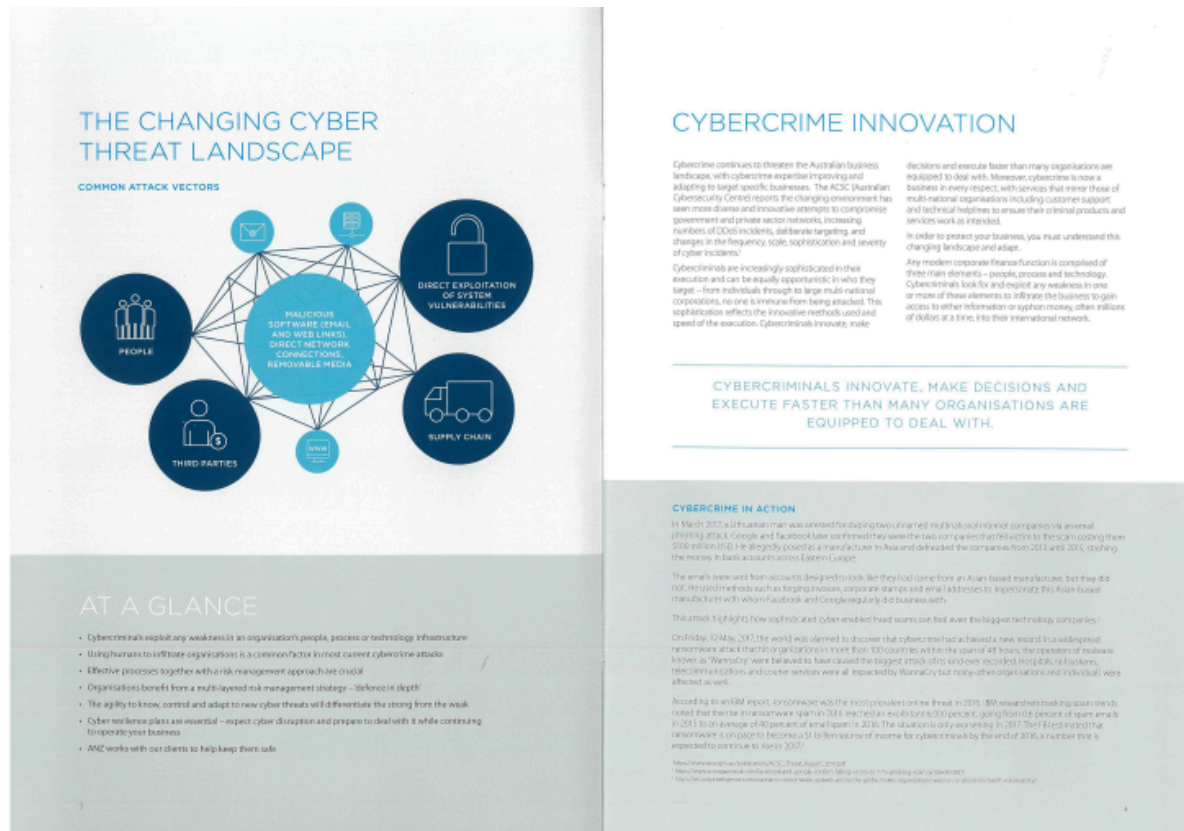
*ANZ\_Document.pdf*



More suspicious stuff good job!

*Evil.pdf*





## ANZ\_Document2.pdf

### Sub-task 5:

- The user also accessed a file called "hiddenmessage2.txt"
- What is the contents of this file? Include it in your report

That's not a txt file but a jpg file so they are trying to deceive us b showing that they viewed the txt file but actually they say the jpg which is given below



hiddentext2

### Sub-task 6:

- The user accessed an image called "atm-image.jpg"
- Identify what is different about this traffic and include everything in your report.



*atm-image.jpg*

The headers and footers are identified by the hex values FFD8 and FFD9, respectively, and the image is recognizable in ASCII by the 'JFIF' string near the beginning.

#### **Sub-task 7:**

- *The network traffic shows that the user accessed the image "broken.png"*
- *Extract and include the image in your report.*



**broken.png**

There is no png file so i view the data in ascii form then decode it from an online toll 64 bit decoder then paste the data hxd and view this image.

#### **Sub-task 8:**

- *The user accessed one more document called securepdf.pdf*
- *Access this document includes an image of the pdf in your report. Detail the steps to access it.*

The password is secure for the pdf file and we retrieve two images from this secured.pdf So I copied the hex of the zip file into HxD and saved it as a zip file. I opened this zip file, and found it contained a pdf file called rawpdf.pdf. When opened, the pdf prompted for a password. The password 'secure' shown in the tcp stream worked, and the PDF opened. It was the first two pages to a guide for internet banking.



## YOUR GUIDE TO ANZ INTERNET BANKING



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