

PACKET CAPTURE ANALYSIS REPORT: - DANIEL LODI

BACKGROUND:

Suspicious network activity has been detected coming from a user on the ANZ network.

A laptop had been flagged up on our security systems due to suspicious internet traffic, and the company needed to investigate the network traffic in order to establish what the user accessed and downloaded.

My task was to examine their network activity and gather whatever information I could on what images they viewed and what files they accessed.

I have been provided with a packet capture file (pcap) containing all their recent network activity. There may be a number of artifacts contained within the packet capture file, and I was expected to identify and report as many as possible.

SUBTASK 1:

Investigating the images

To find the images the user accessed called **anz-logo.jpg** and **bank-card.jpg** I followed the following process for both images:



SUB-TASK 2:

Finding Documents and text file the user viewed and downloaded.

In order to find the contents of the document, I had to view the TCP stream of the http get request for the file. The documents contents were visible in the ascii view.

The full document contained the message:

- Step 1: Find target
- Step 2: Hack them This is a suspicious document.

SUBTASK 3:

Investigating the PDFs

In order to view these PDF's I viewed the TCP stream as usual, and found the file signature for a PDF, which was the hex data "25 50 44 46". I noticed in the ascii view that the PDF data went until the very end of the TCP stream, so I copied all the hex data from the file signature onwards into HxD and saved it as a pdf file. The same process worked for all three files:

- ✓ Document.pdf
- ✓ Document2.pdf
- ✓ Securepdf.pdf

Screenshots:

1. Following TCP Stream

