

**\*\* task group: secure communication \*\***

## Context

Sometimes you need to debug your HTTP(S) network traffic. A often used tool for analyzing HTTP(S) (and other Internet) traffic is Wireshark (<http://www.wireshark.org>). NOTE: by sniffing the network possibly the Confidentially is in danger.

## Deliverables

- Show screenshots/screencast of a HTTP connection to your test host
- Show screenshots/screencast of a HTTPS connection to your personal bank

## Task

1. Download a Kali VirtualBox VM (<https://www.offensive-security.com/kali-linux-vm-vmware-virtualbox-image-download/>)
2. Download the Windesheim BBT VM from the elo.
3. Start your Kali VM
4. Start the Windesheim BBT VM
  - Obtain your IP number via `$ ip address`
5. Kali: Start Wireshark and start sniffing on the host\_only interface
6. Kali: Start a browser and surf with to your Windesheim BBT VM
  - Analyse the packages: show the response
7. Kali: Surf to your personal bank
  - Analyse the packages: which encryption algorithm is used?

## Done