

# Bereich Elektrotechnik und Informatik

der Fakultät für Ingenieurwissenschaften  
an der Hochschule Wismar

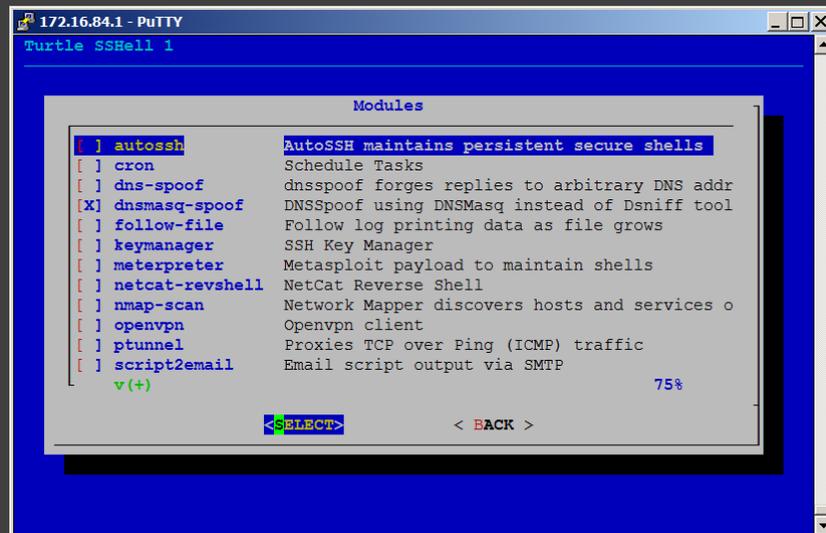
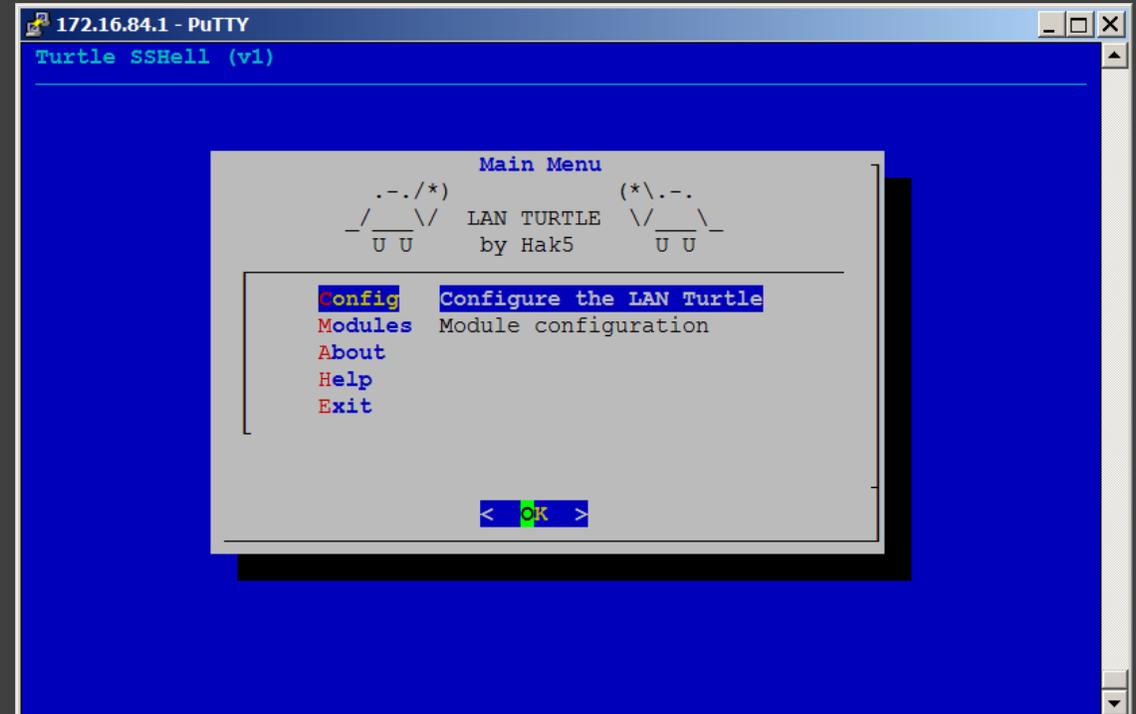
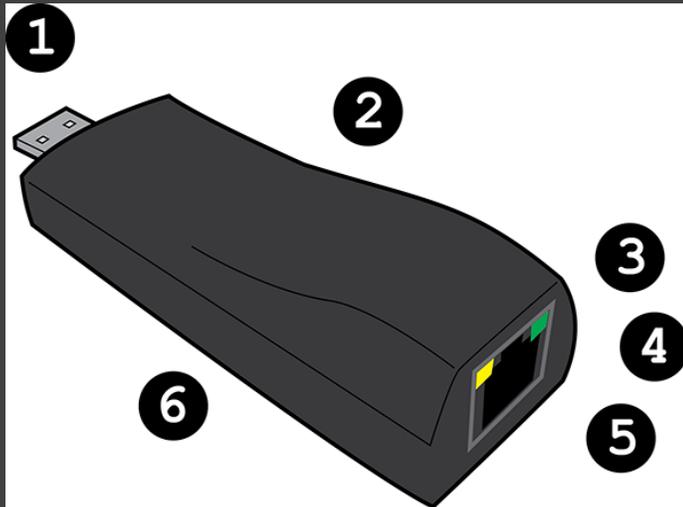
## RubberDucky / LanTurtle / WifiPineApple

Hardware Hacking Tool Eine kleine Einführung

Dirk Zimmermann



# Lan Turtle



# Lan Turtle

## ***Zugangsdaten von gesperrtem PC in 20 Sekunden geklaut***

<https://www.heise.de/security/meldung/Zugangsdaten-von-gesperrtem-PC-in-20-Sekunden-geklaut-3316752.html>

## ***Snagging credits from locked machines***

<https://room362.com/post/2016/snagging-creds-from-locked-machines>

## ***Thesis***

Ist es möglich, wenn ich dem Betriebssystem ein USB Ethernetadapter vorgaukel, und der User eingeloggt aber der PC gesperrt ist, die Benutzer Credential zu erfahren?



# Lan Turtle

Es ist möglich

```
HTTP-NTLMv2-172.16.84.143.txt x
1 zimmermann::FIWI:1122334455667788:C1D8BFE410088DACA76729CF9E06A892:0101000000000000
2 zimmermann::FIWI:1122334455667788:C1D8BFE410088DACA76729CF9E06A892:0101000000000000
```



# Lan Turtle

**Aber nicht nur das, sonder auch**

DNS Spoofing

MitM

Urlnarf usw.....



# WiFi Pineapple nano

## Verwendung

Als Accesspoint, Rouge Access Point,  
Mit Funktionen wie MitM, usw



# WiFi Pineapple nano

The screenshot displays the WiFi Pineapple nano dashboard. On the left is a vertical navigation menu with the following items: Dashboard, Recon, Clients, Filters, Modules (with a dropdown arrow), PineAP, Tracking, Logging, Reporting, Networking, Configuration, Advanced, and Help. The main content area features three large summary cards at the top: 'Uptime' at 0 hours, 1 minute with a sub-section for 42% CPU usage; 'Clients Connected' at 0; and 'SSIDs in Pool' at 12 with a sub-section for 0 SSIDs added this session. Below these are three smaller panels: 'Landing Page Browser Stats' (No Landing Page Browser Stats Available), 'Notifications' (No Notifications), and 'Bulletins' (Load Bulletins from WiFiPineapple.com).

Uptime	Clients Connected	SSIDs in Pool
0 hours, 1 minute	0	12
42% CPU USAGE		0 SSIDS ADDED THIS SESSION

**Landing Page Browser Stats**  
No Landing Page Browser Stats Available

**Notifications**  
No Notifications

**Bulletins**  
Load Bulletins from WiFiPineapple.com



# WiFi Pineapple nano

The screenshot displays the WiFi Pineapple nano web interface. On the left is a sidebar menu with the following items: Clients, Filters, Modules (expanded), Manage Modules, DNSspoofer, Deauth, Evil Portal, Occupineapple, Online Hash Crack, Papers, and Portal Auth. The main content area is titled 'Controls' and includes a dropdown menu. Below this, the 'Dependencies' section shows a green 'Installed' button. The 'DNSspoofer' section features a dropdown menu set to 'lo' and a green 'Start' button. The 'Start on boot' section has a toggle switch currently set to 'OFF'. Below the controls are three large, empty rectangular boxes labeled 'Hosts', 'Landing Page', and 'Output'. The 'Output' section includes an 'Auto-refresh' toggle switch set to 'OFF'. At the bottom of the output area, there is a 'Filter' input field containing the text 'Piped commands used to filter output (e.g. grep, awk)', a 'Clear Filter' button, and a 'Refresh Log' button. The output log itself shows the message 'DNSspoofer is not running...'. The interface uses a clean, light-colored design with blue and green accents.



# Rubber Ducky



## USB Device

Verhält sich wie eine Tastatur



# Rubber Ducky

## Einfache „Scriptsprache“

DELAY 5000

CONTROL ESCAPE

DELAY 100

STRING iexplore

<http://www.betaarchive.co.uk/imageupload/1283877178.or.61533.jpg>

ENTER

DELAY 4000

## Online Payload Generator

<https://ducktoolkit.com/>



# Rubber Ducky

## **Vorteil:**

Kein spezielles Wissen für den „Anwender“ nötig  
Tastatureingaben werden automatisiert übertragen

## **Nachteil:**

Login muss gewährleistet sein  
Unter Windows teilweise mit Powershellscripten  
Und teilweise Administrativen Zugriff

