

# SECURITY (HACKER) WORKSHOP



CH Open

Source | Business | Community



**SMS**

079 250 06 28

SMS Spoofing (NSA als Absender)  
**<http://bit.ly/swiss-hacking>**

# Ablauf Workshop 14:00 – 15:30 Uhr



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# Motive für Hacker Attacken?

**GAME  
HACK**



Unterstützt durch Social Engineering, Identitätsdiebstahl,  
OSINT (Open Source Intelligence)





Hacking des Handy oder des PC eines Benutzers

Hier ist Dein  
Passwort  
gespeichert



Benutzername  
Passwort





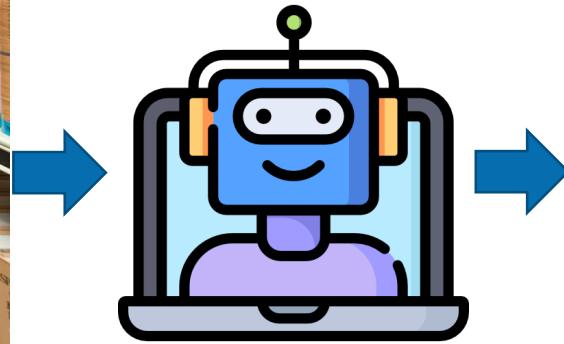
Wie kann sich  
der Snapchat  
Server schützen?



Ein Hacker Tool versucht  
alle Benutzernamen und  
Passwortkombinationen



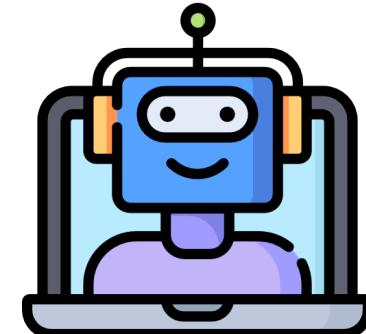
# Wörterbuch Attacke



# Brute Force Attacke

A-Z, a-z, 0-9, ;:-\_ \$!?

6-10 Zeichen lang



YOU HAVE BEEN  
HACKED !

Wie kann sich  
der Snapchat  
Server schützen?

Benutzername	Passwort
Amelie	super.duper
Amrei	gugus.blabla
Antonia	I.love.you
Ariane	Zürich.rockt
Charlotte	CoolerTyp
Daniela	JustinB
Emmanuelle	Warum.warum
Flurina	LOListcool
Friederike	SnapMelfYouCan
Jenny-Lee	ManInBlack
Leanne	Tarzan
Lilly	Sorglos
Louisa	Ottawa
Luisa	E12344
Lynn	TomJerry
Mina	Knalltüte
Nancy	CuperReagan
Noëmi	WhyYou
Sara	Katakcombe
Sarah	Traumschiff
Silvy	SATW.WTAS
Edith	Summer69

Ein Hacker findet eine  
Sicherheitslücke im Snapchat  
Server und kann auf alle  
Passwörter zugreifen



# Kryptografische Einwegfunktion – Hash Funktion



Summer69



HASH



4790C777E8A4281F9AF8E6AE0680F1E1

Benutzername	Passwort Hash
Amelie	A0337491D534C454B0FFC189A16C5B68
Amrei	46F82E1044FB484CF7B8D6A20940E7E4
Antonia	B3A94D0953B0C235E252184418D7CC9A
Ariane	5F7CDFBB90BAECE317B464DAB7A4C137
Charlotte	FF805A2B2E90AB8611225018D44BF289
Daniela	242EA2AF70D3CCA14F28B22FFDC4D6F0
Emmanuelle	2590B9230225A7B4B073A2F3378D4563
Flurina	8DF09C418A115B5BA31151AE00FB540C
Friederike	438EDEC0D099C59B97E848908653703A
Jenny-Lee	5F8332B873790798969087ED722DB487
Leanne	4DE848360ED53B999421A6024CE41516
Lilly	46F281CB06C1530AE8692D20AF836F8D
Louisa	AEEE33366B173305B90377ED63C1084A
Luisa	408956C5A776196BD0BA578ECC6F9E97
Lynn	933E1F4B9EB0720C27FAE08D41294D5A
Mina	1AD9D64D109BF16108387B52FF1AD0AC
Nancy	D7E0EAA746A35898FDC50986A53A1A14
Noëmi	4B4C8261D3850EAE0F114FB582CE1263
Sara	252020B288D5BEDE8F124102E34AC97E
Sarah	3B43745CCAF1AF61D50F4DDEF59B1BEF
Silvy	DDEACCF090EB084B457395E2CC882EAD
Edith	4790C777E8A4281F9AF8E6AE0680F1E1

Ein Hacker findet eine Sicherheitslücke im Snapchat Server und kann auf alle Hashes zugreifen



# <https://hashkiller.co.uk/md5-decrypter.aspx>

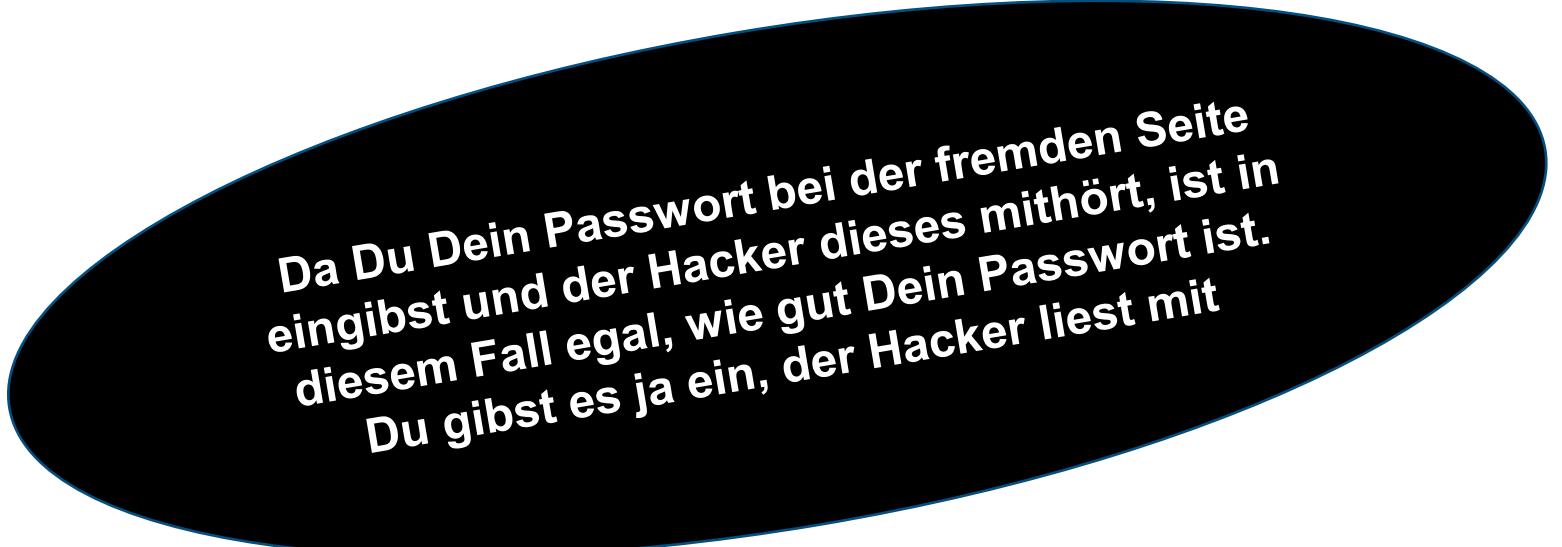
The screenshot shows a web browser window for the HashKiller MD5 Decrypter. The URL in the address bar is <https://hashkiller.co.uk/md5-decrypter.aspx>. The page has a dark theme with a black background featuring a repeating pattern of pumpkins, stars, and spiders. At the top, there is a navigation menu with links to Home, Forums, Decrypter / Cracker, Database Info, Hash Min Max, WPA Crack, Lists and Competition, Contest, Tools, Hashcat GUI, and Downloads. A banner at the top says "REASONABLE PRICES". To the right of the banner, there is a message about donations and a Bitcoin address: "HashKiller relies on donations so please donate! BTC: 15qF9WUeFUD63ishxyAMiEgGqTcYzk4j9b". Below this, there is a message encouraging users to mine Etherum for HashKiller, with an ETH Wallet address: "Mine Etherum for HK: ETH Wallet: 0x6D5a4E69f127ad3cc7bcbe140a0AF60c75E5D54a". The main content area contains text about the database size ("We have a total of just over **829.726 billion** unique decrypted MD5 hashes since August 2007") and instructions for inputting MD5 hashes. A status message at the bottom left says "Status: We found 1 hashes! [Timer: 300 m/s] Please find them below...". Below this, there is a table with two rows. The first row shows "MD5 Hashes:" followed by the hash value "4790c777e8a4281f9af8e6ae0680f1e1". The second row shows the password "Summer69" preceded by the text "MD5 :". Two red arrows point upwards from the bottom of the image towards the MD5 hash value and the password respectively.

MD5 Hashes:	4790c777e8a4281f9af8e6ae0680f1e1
	MD5 : Summer69

# Phishing Angriff



# Wie gut schützt Dich ein langes und komplexes Passwort, wenn jemand auf einen Phishing Angriff reinfällst?



Da Du Dein Passwort bei der fremden Seite eingibst und der Hacker dieses mithört, ist in diesem Fall egal, wie gut Dein Passwort ist. Du gibst es ja ein, der Hacker liest mit

# **Was heisst das nun?**

Menschen müssen erkennen und lernen.  
Wie kann man das Original von der Kopie  
unterscheiden?

# **Angriffe auf den Menschen**

# Wie ist das möglich?



# Infektion durch E-Mail

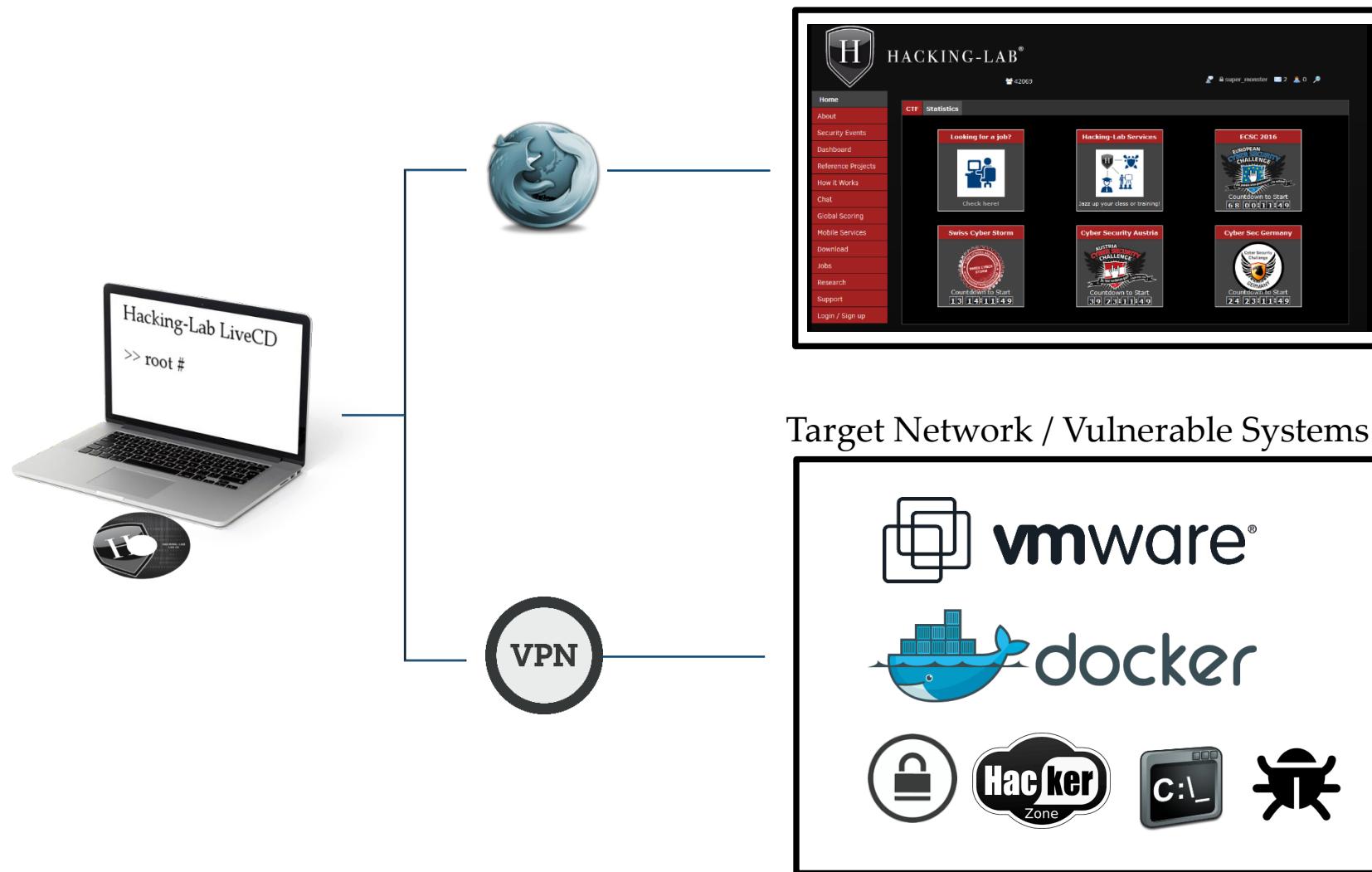


Microsoft Word  
Document

# **Nun zum Workshop**

## Hacking-Lab

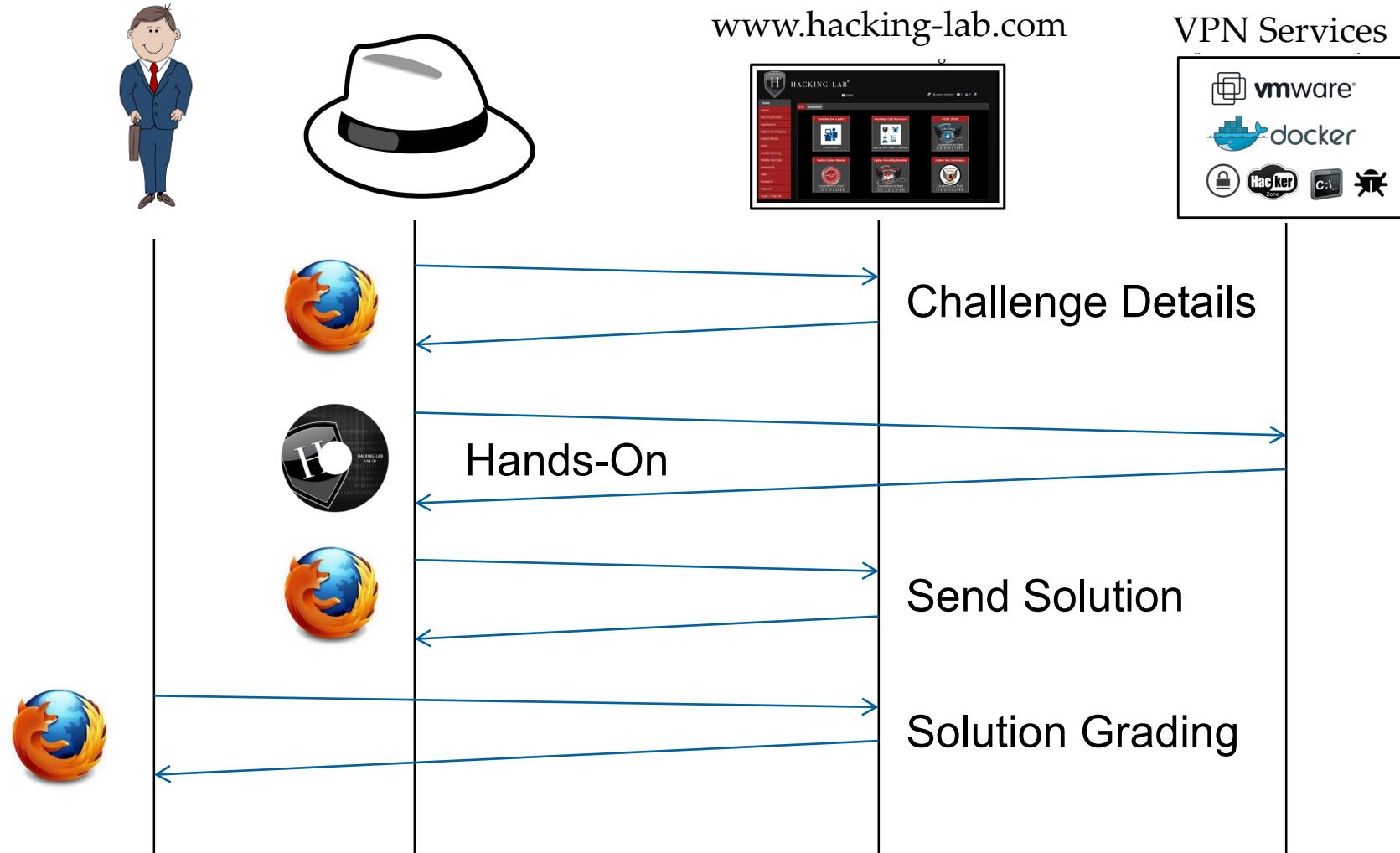
# Hacking-Lab



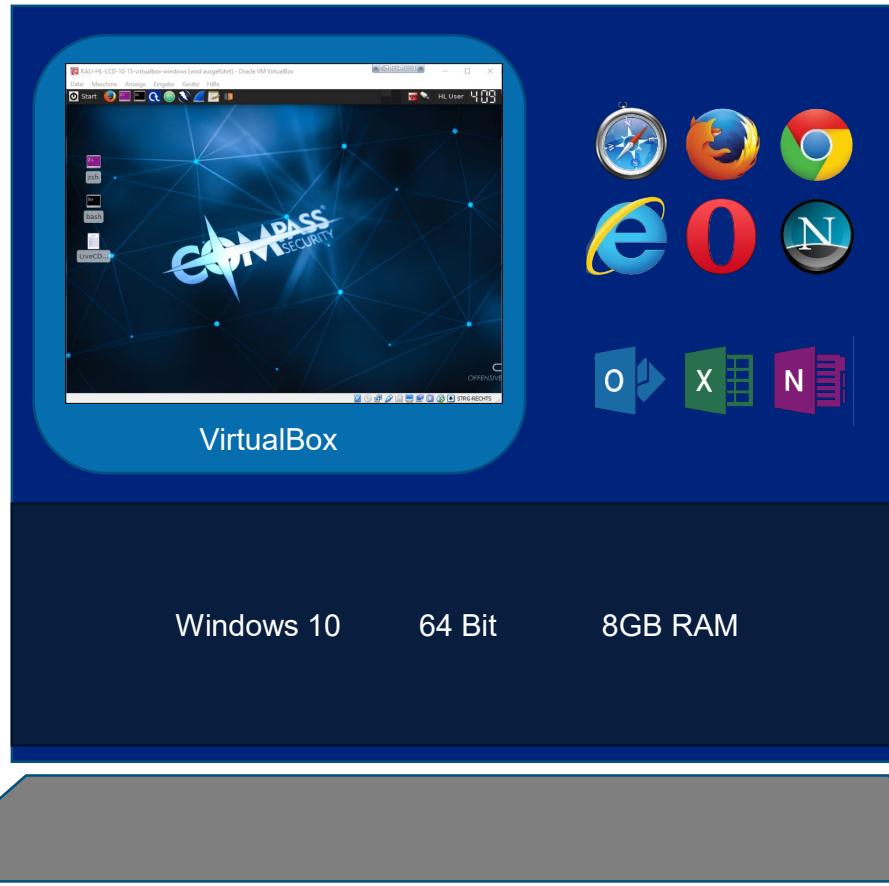
# Hacking-Lab



HACKING-LAB<sup>®</sup>



# Erklärung zur Virtualisierung mit VirtualBox



- 1) Installation VirtualBox von [www.virtualbox.org](http://www.virtualbox.org)
- 2) Download Hacking-Lab OVA von [media.hacking-lab.com](http://media.hacking-lab.com)
- 3) Import OVA
- 4) Boot LiveCD
- 5) Login mit  
Username = **hacker**  
Password = **compass**
- 6) Ändere das Tastaturlayout auf Deutsch
- 7) Aktivierung Copy/Paste zum Host OS
- 8) Update LiveCD

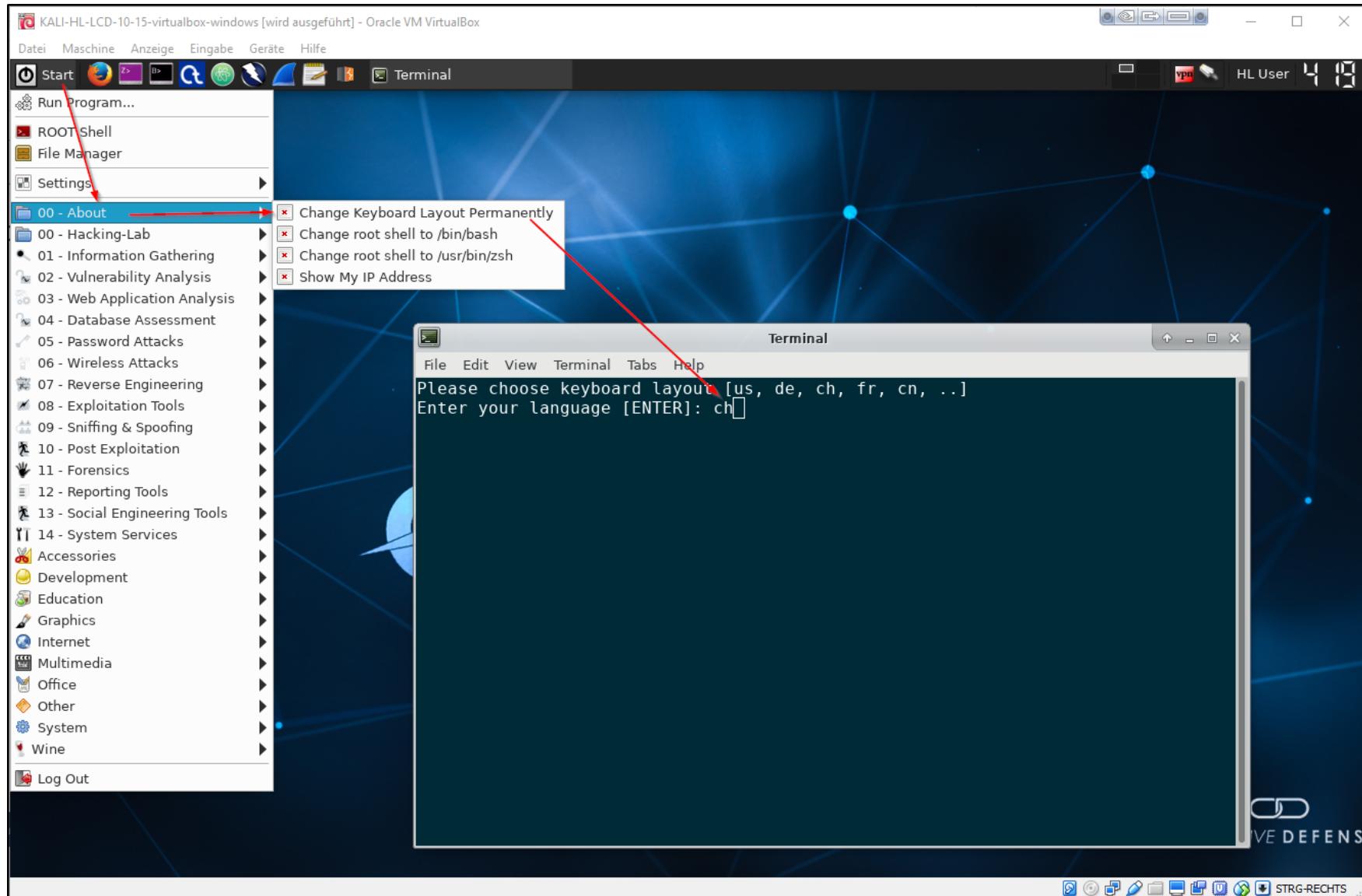
# Anleitung Installation LiveCD auf DE, EN, FR, ES

<https://github.com/ibuetler/e1pub/tree/master/hacking-lab-livecd-installation>

The screenshot shows a GitHub repository page for the user 'ibuetler' and the repository 'e1pub / hacking-lab-livecd-installation'. The 'Code' tab is selected. The commit history lists several commits, with one specific commit highlighted by a yellow box:

Commit	Message	Date
bios.png	add livecd installation text	7 months ago
gui.png	installation documentation HL livecd	7 months ago
install-livecd-de.md	minor changes regarding style / spelling	5 months ago
install-livecd-de.pdf	update pdf after pull request from peter huerlimann	5 months ago
install-livecd-en.md	minor spelling / style changes	5 months ago
install-livecd-en.pdf	update pdf after pull request from peter huerlimann	5 months ago
install-livecd-fr.md	fixing errors in pdf	7 months ago
install-livecd-fr.pdf	update pdf after pull request from peter huerlimann	5 months ago
install-livecd.pdf	add livecd installation text	7 months ago
keyboard.png	installation documentation HL livecd	7 months ago
update.png	installation documentation HL livecd	7 months ago
vpn.png	installation documentation HL livecd	7 months ago

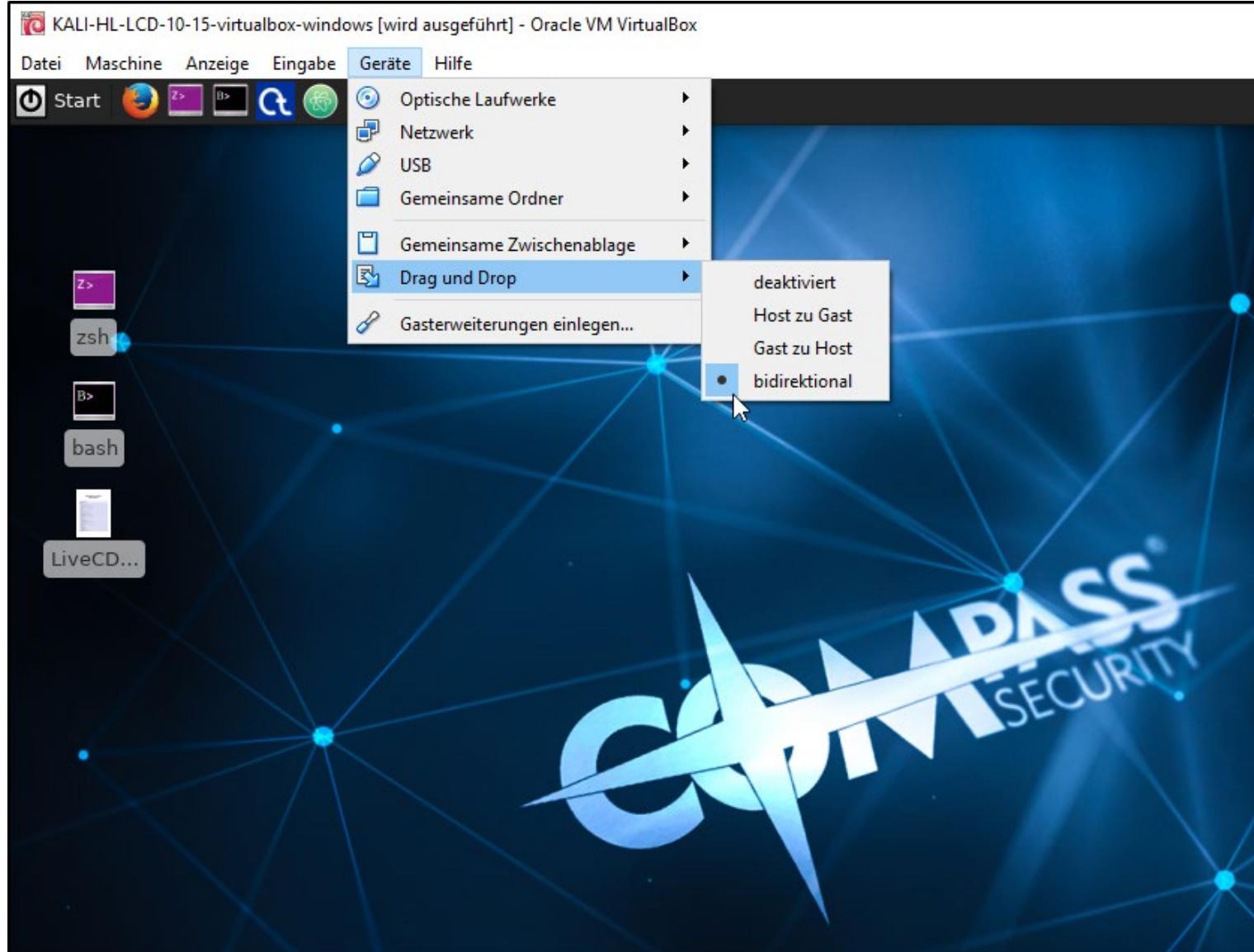
# Änderung Tastaturlayout auf Deutsch



## Start

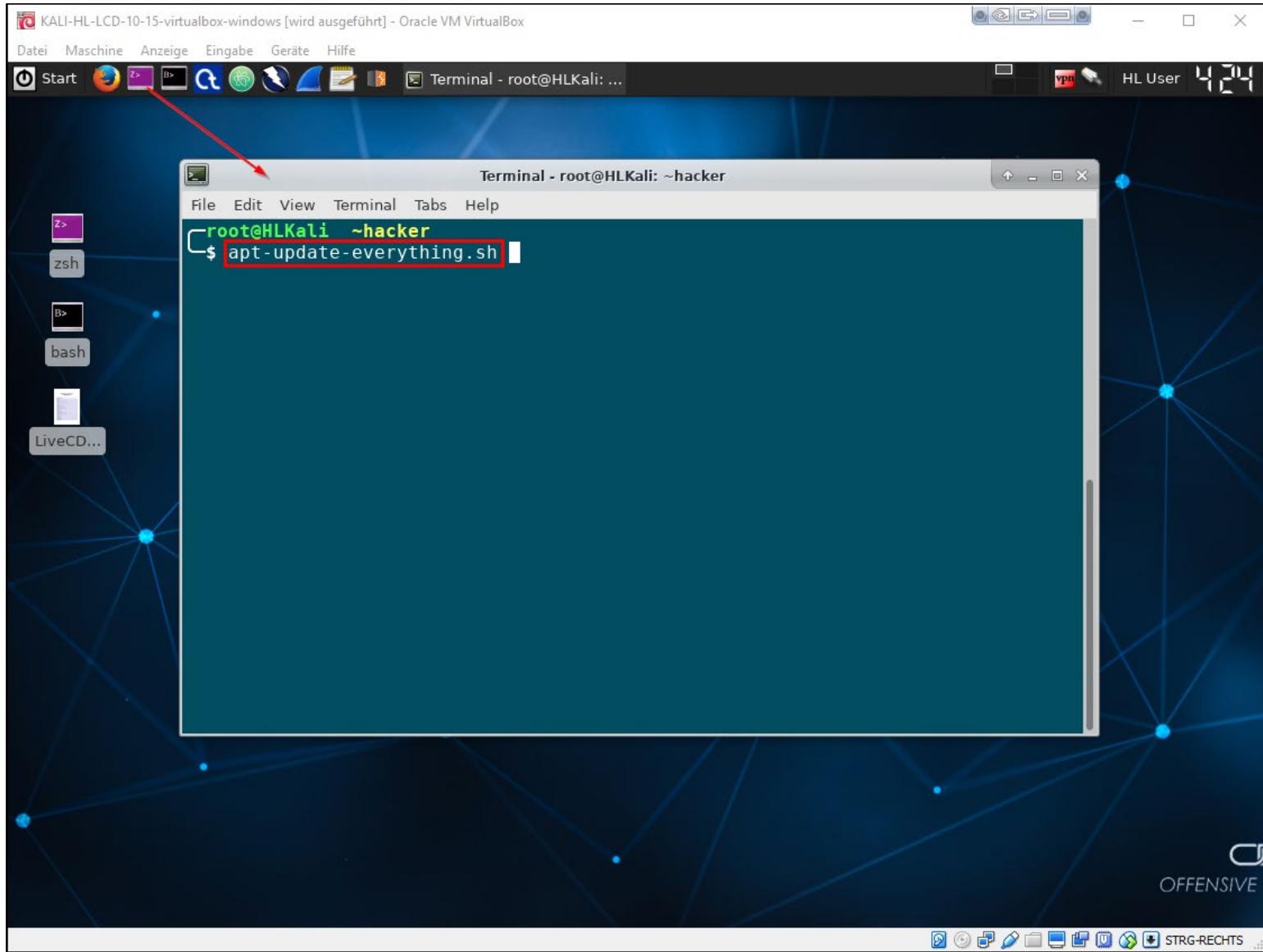
- > 00 – About
- > Change Keyboard Layout Permanently
- > ch (Schweiz)

# Aktiveren Copy/Paste zwischen LiveCD und Host OS



Geräte -> Drag und Drop ->  
bidirektional

# Update LiveCD



Open Shell (root console)  
type “**apt-update-everything.sh**”  
followed by ENTER

## Tipp for You

Type “**apt-u**” and press **TAB**,  
this will autocomplete the  
command for you. This is valid  
for any linux command.

# Hacking-Lab Accounts & Credentials

## LiveCD Credentials

Username hacker

Password compass

## Vulnerable Services Login Credentials

Username hacker10, hacker11, hacker12, hacker13, .... hacker40

Password compass

## VPN Credentials

Username <your e-mail (same as with [www.hacking-lab.com](http://www.hacking-lab.com)) >

Password <same password as with www.hacking-lab.com>

