1. Downloaden und installieren Sie den Yubikey Manager.

https://www.yubico.com/support/download/yubikey-manager/

2. Starten Sie den Yubikey Manager und stecken Sie ihren Yubikey ein.



3. Klicken Sie auf Applications und dann OTP.



4. Klicken sie auf Configure vom "Long Touch (Slot 2)"



5. Wählen Sie Challenge-Response aus.

Lolosi orea Libdow	YubiKey	/ Manager		- 🗆 🔕
		YubiKey 5 NFC (	Help	① About
yubico	Home Application	ns Interfaces		
Select ( Home / OTP / Lo	Credential	Туре		
	O Yubico OTP	Challenge-respons	e	
	O Static password	O OATH-HOTP		
< Back				Next >

6. Generieren Sie einen Secret Key und notieren Sie sich ihn. Die "Require touch" Funktion ist optional und erfordert ein Berühren des Yubikeys um die Challlenge-response auszuführen.



7. Downloaden und Installieren Sie KeepassXC

https://keepassxc.org/



8. Erstellen Sie eine neue Database. Name, Beschreibung und Verschlüsselungseinstellungen nach Belieben auswählen.

Create a new KeePassXC database	×
General Database Information	
Please fill in the display name and an optional description for your new database:         Database Name:       Passwords         Description:	
Go Back Continue Cancel	]
Create a new KeePassXC database	×
Encryption Settings	
Here you can adjust the database encryption settings. Don't worry, you can change them later in the database settings.   Decryption Time: 1.0 s   100 ms   5 s   Higher values offer more protection, but opening the database will take longer.   Database format:   KDBX 4.0 (recommended)   This is only important if you need to use your database with other programs.	
Go Back Continue Cancel	

9. Geben sie ein Master Password ein und merken Sie sich ihn. Klicken Sie auf "Add additional protection..." und dann auf "Add YubiKey Challenge-Response".

	Create a new KeePassXC database	8
D	atabase Master Key	
	A master key known only to you protects your database.	
	Password	
	Enter password:	
	Confirm password:	
	Cancel	
	Add additional protection	
	Go Back Done Cancel	
	Create a new KeePassXC database	$\otimes$
Data	abase Master Key	
An	naster key known only to you protects your database.	
Р	assword	
	Enter password:	
	Confirm password:	
	Cancel	
к	ley File	
	You can add a key file containing random bytes for additional security.	
	You must keep it secret and never lose it or you will be locked out!	
	If you own a YubiKey, you can use it for additional security.	
	The YubiKey requires one of its slots to be programmed as <u>HMAC-SHA1 Challenge-Response</u> .	
	Add YubiKey Challenge-Response	
	Go Back Done Cancel	

10. Wählen Sie ihren Yubikey aus und klicken Sie auf "Done". Falls Sie die "Require touch" Funktion in Schritt 6 aktiviert haben, wird das Fenster grau und wartet auf die physische Aktivierung des Yubikeys.

Create a new KeePassXC database	
Database Master Key	
A master key known only to you protects your database.	
Password	
Enter password:	
Confirm password:	4
	Cancel
Kev File	
You can add a key file containing random bytes for additional securi	ty.
You must keep it secret and never lose it or you will be locked out!	
Add Key File	
YubiKey Challenge-Response	
YubiKey[100002] Challenge Response - Slot 2 - Press	▼ Refresh
	Cancel
Со Ва	ck Done Cancel
Со Ва	ck Done Cancel
Go Ba Create a new KeePassXC database	ck Done Cancel
Go Ba Create a new KeePassXC database Database Master Key	ck Done Cancel
Go Ba Create a new KeePassXC database Database Master Key A master key known only to you protects your database.	ck Done Cancel
Go Ba Create a new KeePassXC database Database Master Key A master key known only to you protects your database. Bassword	ck Done Cancel
Create a new KeePassXC database Database Master Key A master key known only to you protects your database. Password	ck Done Cancel
Create a new KeePassXC database Database Master Key A master key known only to you protects your database. Password Enter password: Confirm password:	ck Done Cancel
Go Ba         Create a new KeePassXC database         Database Master Key         A master key known only to you protects your database.         Password         Enter password:         Confirm password:	ck Done Cancel
Create a new KeePassXC database Database Master Key A master key known only to you protects your database. Password Enter password: Confirm password:	ck Done Cancel
Go Ba Create a new KeePassXC database Database Master Key A master key known only to you protects your database. Password Enter password: Confirm password: Key File	ck Done Cancel
Create a new KeePassXC database Database Master Key A master key known only to you protects your database. Password Enter password: Confirm password: Key File You can add a key file containing random bytes for additional security you must know it activity of the security of the secu	ck Done Cancel
Create a new KeePassXC database Database Master Key A master key known only to you protects your database. Password Enter password: Enter password: Confirm password: Key File You can add a key file containing random bytes for additional security You must keep it secret and never lose it or you will be locked out!	ck Done Cancel
Go Ba         Create a new KeePassXC database         Database Master Key         A master key known only to you protects your database.         Password         Enter password:       ••••••••         Confirm password:       ••••••••         Key File         You can add a key file containing random bytes for additional secur         You must keep it secret and never lose it or you will be locked out!         Add Key File	ck Done Cancel
Go Ba         Create a new KeePassXC database         Database Master Key         A master key known only to you protects your database.         Password         Enter password:       ••••••••         Confirm password:       ••••••••         Key File       You can add a key file containing random bytes for additional securit         You must keep it secret and never lose it or you will be locked out!       Add Key File         YubiKey Challenge-Response       ••••••••	ck Done Cancel
Create a new KeePassXC database         Database Master Key         A master key known only to you protects your database.         Password       Enter password:         Confirm password:       ••••••••         Confirm password:       •••••••         Key File       You can add a key file containing random bytes for additional security You must keep it secret and never lose it or you will be locked out!         YubiKey Challenge-Response       YubiKey[13336662] Challenge Response - Slot 2 - Press	ck Done Cancel

11. Wenn Sie nun auf die Passwortdatenbank zugreifen wollen geben Sie ihr Master Passwort ein und wählen Sie ihren Yubikey für die Challenge Response aus. Falls Sie die "Require touch" Funktion in Schritt 6 aktiviert haben, werden Sie aufgefordert den Yubikey zu berühren.

	Password	ls.kdbx [Locked] - KeePass	хс		. 🗆 😣
Database Entries Grou	ps <u>T</u> ools <u>H</u> elp				
			🖳 Search (Ct	rl+F)	U
Enter master key					
/home/duy/Documents/F	Passwords.kdbx				
V Password	•••••				
Key File:				•	Browse
✓ Challenge Response:	YubiKey[	Challenge Response - Slot	2 - Press	•	Refresh
				8 <u>C</u> ancel	⊘ <u>о</u> к
	December	la ladhar Dia aka di - Kan Dana	ve		- o
<u>D</u> atabase E <u>n</u> tries <u>G</u> rou	ps <u>T</u> ools <u>H</u> elp	is.kabx [Locked] - KeePass	xc	-	
	* & ° 4	P A /	📃 Search (Ct	rl+F)	0
Please touch the butto	o on vour YubiKevl				
	ron your rubikey.				
Fata and a last					
<b>Enter master key</b> /home/duy/Documents/i	Passwords.kdbx				
Enter master key /home/duy/Documents/f	Passwords.kdbx				
Enter master key /home/duy/Documents/f Password:	Passwords.kdbx				®.
Enter master key /home/duy/Documents/f ☑ Password: ☐ Key File: ☑ Challenge Response:	Passwords.kdbx	Challenge Response - Slot	2 - Press	v 	Browse Refresh
Enter master key /home/duy/Documents/f I Password: Key File: I Challenge Response:	Passwords.kdbx	Challenge Response - Slot	2 - Press	¥	Image: Second
Enter master key /home/duy/Documents/f I Password: Key File: I Challenge Response:	Passwords.kdbx	Challenge Response - Slot	 2 - Press	▼ SCancel	Image: Second secon
Enter master key /home/duy/Documents/f I Password: Key File: I Challenge Response:	Passwords.kdbx	Challenge Response - Slot	2 - Press	↓ ↓	Image: Second secon
Enter master key /home/duy/Documents/f Password: Key File: Challenge Response:	Passwords.kdbx	Challenge Response - Slot	2 - Press		Image: Second secon

12. Somit haben Sie nun eine KeePassXC Datenbank mit Yubikey abgesichert.