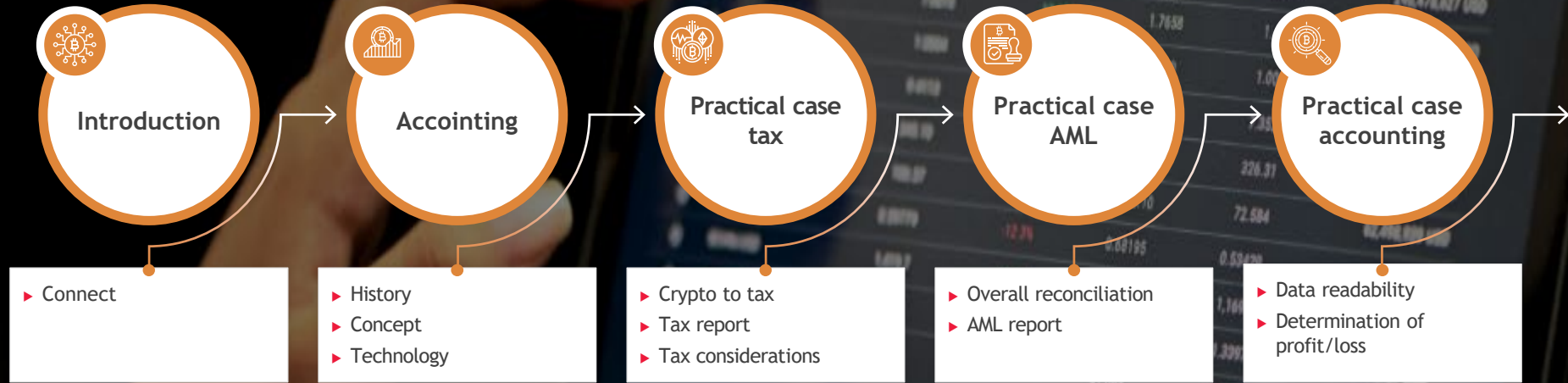


PRACTICAL CASES: CRYPTO INVESTMENTS FROM A TAX, AML AND ACCOUNTING PERSPECTIVE

STEP Lucerne/Zug Centre 1st June 2022



Content



SECTION 1

INTRODUCTION



Connect



Audience survey



Practical Case

Connect with us



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SECTION 2

PRESENTATION OF ACCOUNTING AND ITS SOLUTION



History



Concept

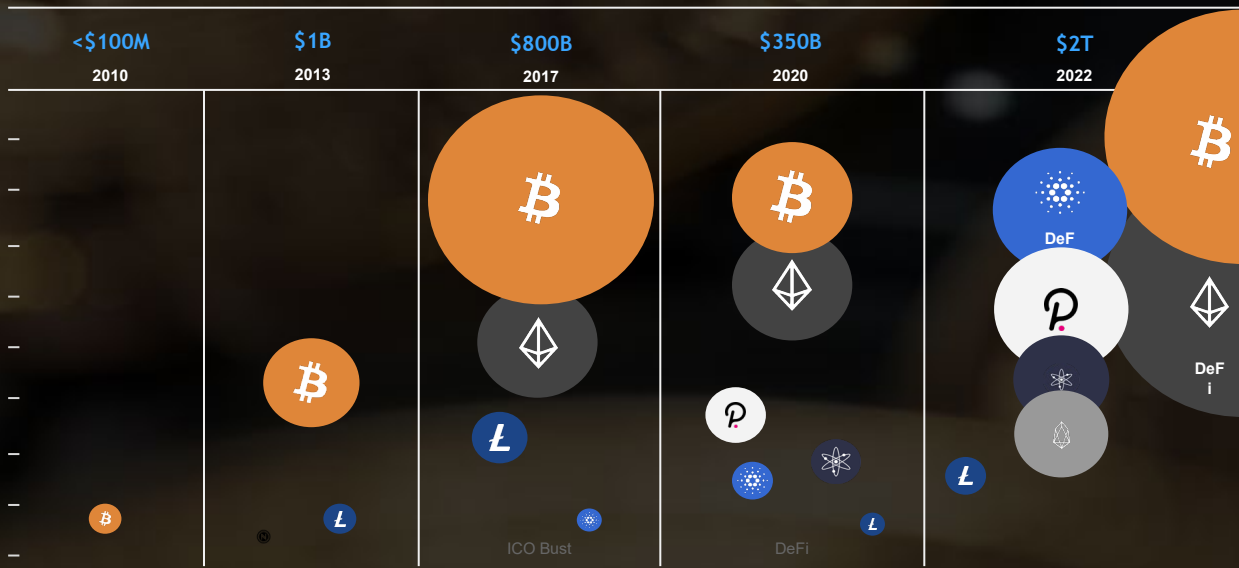


Technology

The evolution of cryptocurrencies

More than just Bitcoin

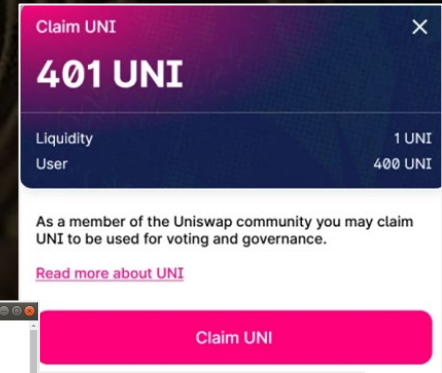
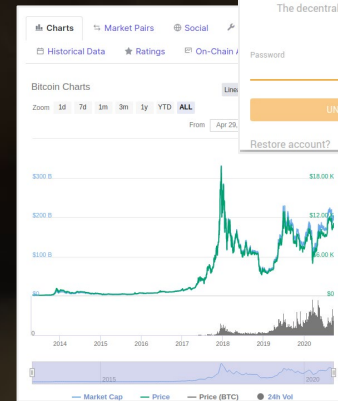
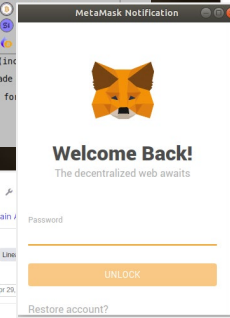
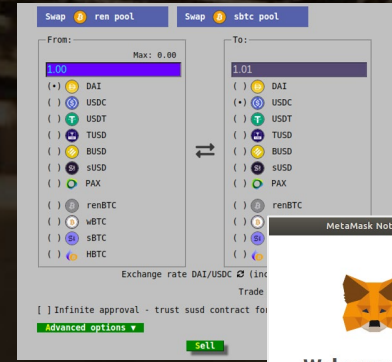
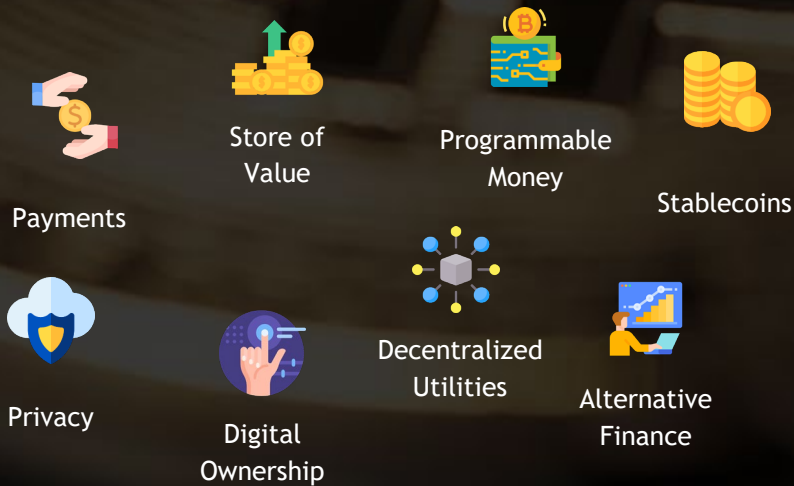
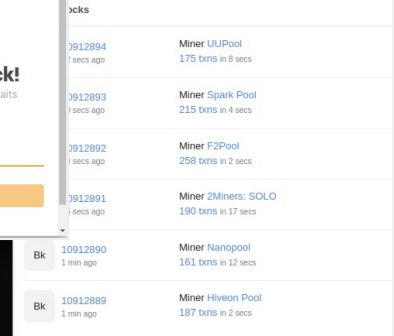
- Different types of tokens
- Highest-selling NFT “The First 5000 Days” was sold for 70 million
- Market capitalization from 100M to 2T
- Almost 20.000 cryptocurrencies
- More than 500 exchanges
- 300 million users own cryptocurrencies



Use case of cryptocurrencies

The complexity

Crypto moves at an incredible pace and for a user to sort their data is unbearable. As crypto grows, it will only become more complex.

Address	Pool Name	Details
3912894	Miner LUPool	175 txns in 8 secs
3912893	Miner Spark Pool	215 txns in 4 secs
3912892	Miner F2Pool	258 txns in 2 secs
3912891	Miner 2Miners: SOLO	190 txns in 17 secs
Bk 10912890	Miner Nanopool	161 txns in 12 secs
Bk 10912889	Miner Hiveon Pool	187 txns in 2 secs

All in One - Portfolio Tracking Solution

Stay on top of the things

1









































Sync of all Addresses and Exchanges

API, Public Address, CSV or Template

It's key to have a direct connection to verify transactions directly from the blockchain



Direct Connection
(API, Public Wallet Address, OAuth)

 Abra	 Airbitz	 ArcBit	 Argent	 Atomic Wallet	 Bibox
 Binance	 Binance Chain	 Binance DEX	 Binance.je	 Binance Smart Chain	 Binance.us
 Bitcoin	 Bitcoin Cash	 Bitfrezzer	 BitGo	 BitMex	bitpanda Bitpanda
bitpanda pro Bitpanda Pro	 BITStamp	 Bittrex	 Blade	 Blockchain	 Block.io
 BRD	 Cardano	 Celsius Network	 Choice	 Coinbase	 Coinbase Pro
 Coinbase Wallet	 CoinPayments	 Coins	 CoinSpot	 Crypterium	 Cryptocrit
 Crypto Finance	 Dash	 Decred	 Deribit	 Deversifi	 DigiByte

All in One - Portfolio Tracking Solution

Stay on top of the things

2 Reconciliation of the data

Accounting.com detects missing information and automatically connects internal transactions for the user

Remaining transactions with an unknown sender or receiver need to be classified



New		Duplicate	Delete	Classify	Show needs review	Export full history	Search: quantity, currency, tx ID, c...
<input type="checkbox"/>	Date	Type	Sold or withdrawn	Wallet	Bought or deposited	Classification	Clear
<input type="checkbox"/>	04.03.21 19:11	Deposit API	0x85b931a32a0725be...d69b	→	0.19304 (ETH) Ethereum		<input type="checkbox"/>
<input type="checkbox"/>	04.03.21 14:33	Deposit API	0x8f22f2063d253846...0c8f	→	0.08890294 (ETH) Ethereum		<input type="checkbox"/>
<input type="checkbox"/>	25.11.20 09:51	Deposit API	0xbbd5beb6c63a25e1...3a5d	→	3.14265442 (ETH) Ethereum		<input type="checkbox"/>
<input type="checkbox"/>	25.11.20 08:42	Withdraw API	-3.15309479 (ETH) Ethereum	→	0xbbd5beb6c63a25e11a9...3a5d		<input type="checkbox"/>
<input type="checkbox"/>	01.10.20 19:55	Withdraw API	-0.00 (ETH) Ethereum	→	0x3e66b66fd1d0b02fda6...2f21		<input type="checkbox"/>
<input type="checkbox"/>	17.09.20 15:03	Withdraw API	-404.17104 (UNI) Ethereum	→	0xe38a8350eb677e...46b6	Swap	<input type="checkbox"/>
<input type="checkbox"/>	17.09.20 15:03	Deposit API	0xe38a8350eb677e...46b6	→	2.7775661 (ETH) Ethereum	Swap	<input type="checkbox"/>
<input type="checkbox"/>	17.09.20 14:24	Withdraw API	-0.00 (ETH) Ethereum	→	0x1f9840a85d5af5bf1d1...f984		<input type="checkbox"/>
<input type="checkbox"/>	17.09.20 14:18	Deposit API	0x090d4613473dee04...256e	→	404.17104 (UNI) Ethereum		<input type="checkbox"/>
<input type="checkbox"/>	17.09.20 14:08	Deposit API	0x340d693ed55d7ba1...5bdc	→	0.50 (ETH) Ethereum		<input type="checkbox"/>

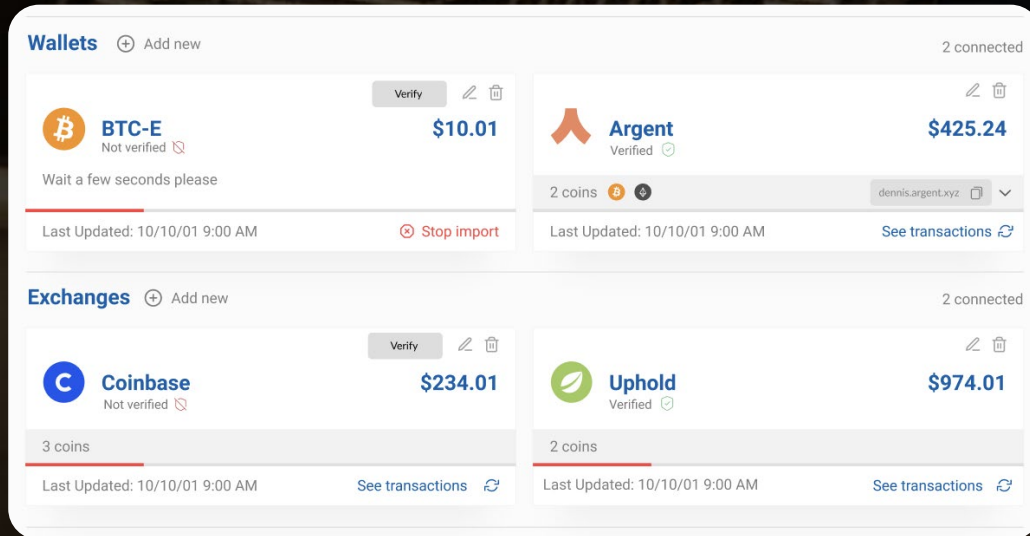
All in One - Portfolio Tracking Solution

Stay on top of the things

3 Tracking solution

Accounting.com records all crypto transactions of the connected addresses and exchanges with an automatic sync on a daily basis

They are up to date with all the new trades and transactions and have a real-time portfolio overview



The screenshot displays the Accounting.com interface for tracking crypto assets. It is divided into two main sections: 'Wallets' and 'Exchanges', each with an 'Add new' button and a '2 connected' status indicator.

Wallets Section:

- BTC-E:** Not verified, balance \$10.01. Status: 'Wait a few seconds please'. Last Updated: 10/10/01 9:00 AM. Action: Stop import.
- Argent:** Verified, balance \$425.24. Contains 2 coins. Last Updated: 10/10/01 9:00 AM. Action: See transactions.

Exchanges Section:

- Coinbase:** Not verified, balance \$234.01. Contains 3 coins. Last Updated: 10/10/01 9:00 AM. Action: See transactions.
- Uphold:** Verified, balance \$974.01. Contains 2 coins. Last Updated: 10/10/01 9:00 AM. Action: See transactions.



SECTION 3

PRACTICAL CASE IN THE AREA OF TAX



Crypto to tax



Tax report



Tax consideration

Practical case - for tax purposes

Starting point

- Initial investment \$ 100k in BTC
- Massive increase over the last years
- Extended his trading activities
- No reporting done so far
- What are the challenges and next recommended steps?

Details of Person X

- 3 Wallets for DEFI activities
- 1 Centralized exchange account
- Ø 50 trades a day







1 Initial investment 1 BTC ≈ 100 \$

2 Investment now 1 BTC ≈ 300 \$

Recommended steps for the transfer from crypto to tax

Steps to be performed within the client user account in Accounting for Person X

Step	Description
1  Data request and processing	<ul style="list-style-type: none"> • Pulling all the information available for the public addresses from the blockchains • Pulling or requesting the data from the exchanges
2  Analysis and adjust data if necessary	<ul style="list-style-type: none"> • Bring the collected data in a readable form and upload them on Accounting (interface between the exchange/wallet and the tax environment)
3  Classification of income/ review steps	<ul style="list-style-type: none"> • Classification of income streams (mining, airdrops, bounty, staking, etc.) • Performance of the review steps • Overall reconciliation / report of unclassified or reconciled transactions
4  Tax consideration	<ul style="list-style-type: none"> • Tax consideration on a case-by-case basis with regard to the existent tax regulations - Switzerland: declaration of the annual tax return

Overview of the tax report

Elements of the tax report of Person X
- Overview (1/2)

Steuerreport 2021		ACCONTING	
<small>(Mehrloch, Depot Version, FIPO, GMT+2)</small>			
112.062,44 CHF *	488.273,94 CHF *	376.211,49 CHF	
<small>Bestand 01.01.21</small>	<small>Bestand 31.12.21</small>	<small>Gesamte Wertentwicklung</small>	
<small>* basiert auf den CoinMarketCap.com Preisdaten / Portfoliowert (ESTV Preisquelle) zum 31.12. folgt auf Seite 3</small>			
17.201,42 CHF	236.256,52 CHF	122.753,56 CHF	
<small>Steuerbare Vermögenserträge</small>	<small>Realisierte steuerfreie Kapitalgewinne</small>	<small>Übrige Wertveränderungen</small>	
Steuerbare Vermögenserträge aus Kryptowährungen			
<small>Klassifikationen Einzahlungen</small>			<small>Summe in CHF</small>
Einkommen aus Staking			4.608,02
Einkommen			5.236,87
Mining			179,91
Airdrop			7.162,44
Margin Gewinn			14,17
Summe			17.201,42
Realisierte steuerfreie Kapitalgewinne / -verluste aus dem Handel mit Kryptowährungen			
<small>Kategorie</small>	<small>Gewinn</small>	<small>Verluste</small>	<small>Gebühren</small>
Swap	25.426,92	1.079,15	682,05
Verkauf	224.815,85	11.427,30	797,75
Gesamtsumme			236.256,52

112.062,44 CHF *	488.273,94 CHF *	376.211,49 CHF
<small>Bestand 01.01.21</small>	<small>Bestand 31.12.21</small>	<small>Gesamte Wertentwicklung</small>
<small>* basiert auf den CoinMarketCap.com Preisdaten / Portfoliowert (ESTV Preisquelle) zum 31.12. folgt auf Seite 3</small>		
17.201,42 CHF	236.256,52 CHF	122.753,56 CHF
<small>Steuerbare Vermögenserträge</small>	<small>Realisierte steuerfreie Kapitalgewinne</small>	<small>Übrige Wertveränderungen</small>

Steuerbare Vermögenserträge aus Kryptowährungen	
<small>Klassifikationen Einzahlungen</small>	<small>Summe in CHF</small>
Einkommen aus Staking	4.608,02
Einkommen	5.236,87
Mining	179,91
Airdrop	7.162,44
Margin Gewinn	14,17
Summe	17.201,42

Realisierte steuerfreie Kapitalgewinne / -verluste aus dem Handel mit Kryptowährungen				
<small>Kategorie</small>	<small>Gewinn</small>	<small>Verluste</small>	<small>Gebühren</small>	<small>Summe in CHF</small>
Swap	25.426,92	1.079,15	682,05	23.665,72
Verkauf	224.815,85	11.427,30	797,75	212.590,80
Gesamtsumme				236.256,52

Overview of the tax report

Elements of the tax report of Person X
- Overview (2/2)

Kategorie Einzahlungen	Summe in CHF
Ausgleichen	23.313,04
ICO	525,53
Keine Klassifizierung	3.961,09
Mittel einzahlen	73.078,21
Schenkung	34,08
Swap	48.081,61
Gesamtsumme	148.993,56

Übrige Wertveränderungen	
Kategorie Einzahlungen	Summe in CHF
Ausgleichen	23.313,04
ICO	525,53
Keine Klassifizierung	3.961,09
Mittel einzahlen	73.078,21
Schenkung	34,08
Swap	48.081,61
Gesamtsumme	148.993,56
Kategorie Auszahlungen	Summe in CHF
Bezahlung	-895,03
Gebühr	-43,41
ICO	-1.518,44
Keine Klassifizierung	-6.499,65
Marginerlust	-30,54
Mittel auszahlen	-101.696,73
Swap	-52.071,34
Gesamtsumme	-162.755,14
Weitere Wertveränderungen	Summe in CHF
Interne Transaktionsgebühren	817,35
Unrealisierte Gewinne und Verluste	135.697,79
Summe	136.515,14

Kategorie Auszahlungen	Summe in CHF
Bezahlung	-895,03
Gebühr	-43,41
ICO	-1.518,44
Keine Klassifizierung	-6.499,65
Marginerlust	-30,54
Mittel auszahlen	-101.696,73
Swap	-52.071,34
Gesamtsumme	-162.755,14

Weitere Wertveränderungen	Summe in CHF
Interne Transaktionsgebühren	817,35
Unrealisierte Gewinne und Verluste	135.697,79
Summe	136.515,14

Tax consideration

Interpretation of the tax report - for private investors (1) vs. crypto traders (2)

1

- Income tax: taxable income from investment vs. tax free capital gains (Art. 20 DFT vs. Art. 16 al. 3 DFT)
- Wealth tax: The taxable assets are valued at the end of the tax period (basically at the FMV)
 - 30% reduction based on circular letter 28 published by the Swiss Tax Conference possible?
 - What about tokens which are not in the disposal of an individual at year end?
- Not tax relevant for private investors: unrealized capital gains / expenses / fees with regard to the executed transactions

2

- The conditions of a professional securities trader in circular letter #36, are applied to professional crypto traders.
- Assessment is made on a case-by-case basis and in specific cases it is recommended that a ruling be submitted in advance to the competent tax authorities.
- The main Conditions of circular letter #36:
 - The incomes from crypto investments (incl. realized capital gains) are less than 50% of the taxable net income
 - Transaction volume: The crypto assets are only in your possession for a short time (less 6 months) before disposal and a high trade frequency is visible (i.e., the crypto assets at the end of the year is not five times the amount held at the beginning of the year)
 - Borrowed capital: In order to realize the transaction volume, the investment is financed with borrowed capital (e.g., bank loans).

Tax consideration

Person X - Tax consideration

2021

- Assessment for private investor vs. crypto trader
- Basically, if full-time employed the chances are high to qualify as private investor
- Income tax: taxable income from investment (crypto investment), such as staking, mining, nodes income and others
- Wealth tax: The taxable assets are valued at the end of the tax period (basically at the FMV)
- Not tax relevant for private investors: unrealized capital gains / expenses / fees with regard to the executed transactions

Prior year

- Non-compliance with the wealth and potential income tax declaration in prior years
- Basically, a non-punishable voluntary disclosure procedure could be initiated (10 years backwards period)
- Conditions:
 - the evasion is not known to any tax authority
 - Person X unconditionally supports the administration in the assessment of the subsequent tax; and
 - Person X makes serious efforts to pay the additional tax owed.

SECTION 4

PRACTICAL CASE IN THE AREA OF ANTI-MONEY-LAUNDERING



Overall reconciliation






AML Report

Practical case - for AML purposes

Starting point

- Initial investment \$ 100k in BTC
- Massive increase over the last years
- Tax reporting done
- Intends to cash out
- What are the challenges and next recommended steps?

Details of Person X

-  3 Wallets for DEFI activities
-  1 Centralized exchange account
-  Ø 50 trades a day



1 Initial investment 1 BTC ≈ 100 \$

2 Investment now 1 BTC ≈ \$ 30k

Proof of transactions / Anti money laundering

It is key to know about the full cashflow

On top of the tax requirements person X must additionally fulfil the bank requirements - what are the challenges

- Centralized exchanges and unhosted wallets do not recommend per default know your customer (KYC) tasks - everyone can open an account and use any email address (i.e., mickey.mouse@disney.com)
- Bank compliance required evidence for the source of funds (initial investment -> inflow from external)

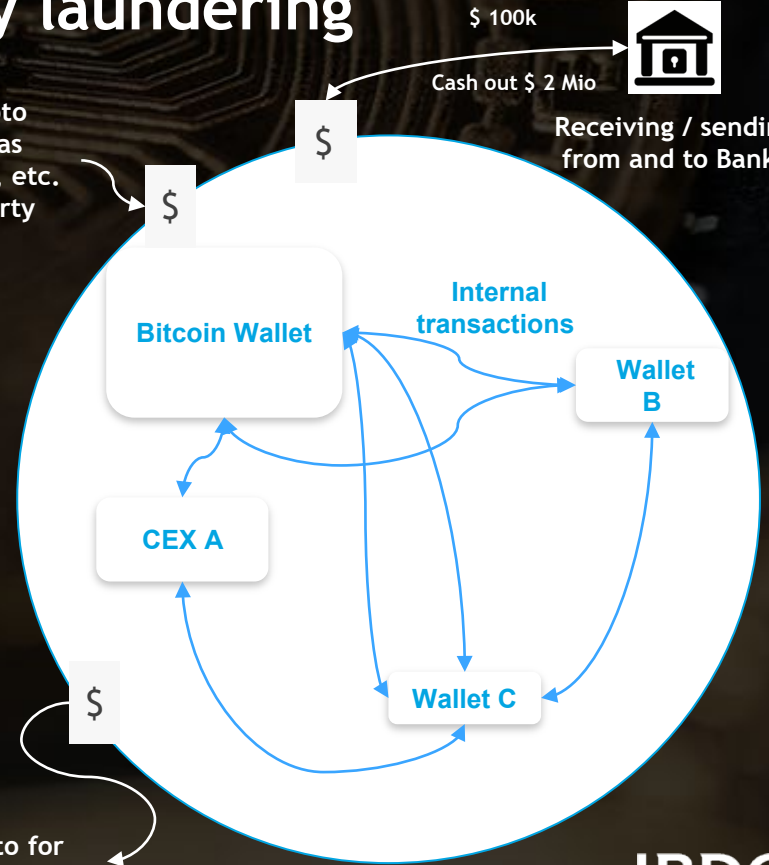
How can we solve these challenges and report accordingly?

Receiving crypto rewards such as airdrops, staking, etc. from a third party

Initial investment of \$ 100k

Cash out \$ 2 Mio

Receiving / sending from and to Banks



Sending crypto for payments, fees, etc.

Proof of transaction report I

It is key to know about the full cashflow

1 Portfolio overview Numbers of accounts

The portfolio overview presents the fair value at reporting date and the status of the ownership verification of the accounts

2 Portfolio information

A brief overview about the portfolio allocation and the major investments plus a bar chart with the information how the transaction has been imported

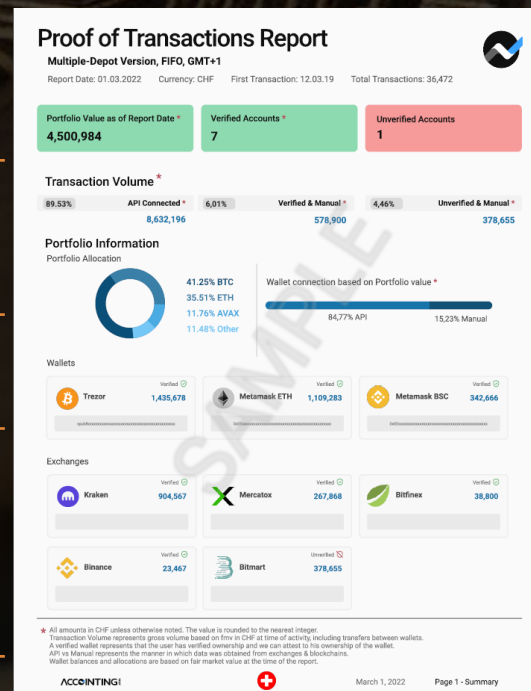
3 Wallets and exchanges

This section shows all wallets and exchanges together with the status of the ownership verification

This section includes additional information such as:

- Transaction volume
- What is a verified wallet
- The difference between an API and a manual import
- etc.

4 Report information



Proof of transaction report II

It is key to know about the full cashflow

1



Summary of all assets

Overview of all tokens and currencies the clients hold at reporting date including type, price source, amount in tokens and value converted in FIAT

-> **highest level of security**

A verified wallet, means that the user has proven his ownership. API imported means, the data has been directly imported automatically via an Application Programming Interface (API), this ensures that the client had no chance to manipulate the data.

2

Verified and transaction are API imported

-> **medium level of security**

Still a verified wallet, but the data has been imported via a csv file (excel). We requested the data directly from the exchange and upload them into Accounting. This process still ensures that the client had no chance to manipulate the data.

3

Verified and transaction are manually imported

-> **lowest level of security**

An unverified wallet, means that the user has not or was not able to prove his ownership. Manually imported means the transaction has been added completely manual and the client had the chance to manipulate the data.

4

Unverified transactions and manually imported

Proof of Transactions Report

Multiple-Depot version, FIFO, GMT+1

Report Date: 01.03.2022 Currency: CHF

Summary of all assets

Name	Asset	Type of asset	Price source	Amount	Value *
Bitcoin	BTC	Cryptocurrency	Coinmarketcap	15.464895	1,856,468
Ethereum	ETH	Cryptocurrency	Coinmarketcap	584.847390	1,598,147
Avalanche	AVAX	Cryptocurrency	Coinmarketcap	6,830.027633	529,308
Tether	USDT	Cryptocurrency	Coinmarketcap	234,943.683638	216,903
TRON	TRX	Cryptocurrency	Coinmarketcap	2,445,634.643577	139,212
Euro	EUR	Fiat	Coinmarketcap	123,454.345653	126,132
USD	USD	Fiat	Coinmarketcap	34,468.356796	31,827
Helium	HNT	Cryptocurrency	Coinmarketcap	134,34567	2,987
Total					4,500,984

Verified Transaction Volume - API Imported

Verified Wallets	Transaction Volume	Holdings	Inflow from external	Outflow to external
Trezor	2,055,709	1,435,678	53,944	87,300
Metamask ETH	638,430	1,109,283	433,665	43,978
Metamask BTC	3,355,786	342,666	5,612	1,060,269
Kraken	2,085,726	904,567	53,245	0
Binance	496,545	23,467	85,876	67,474
Total	8,632,196	3,815,661	632,342	1,279,021

Verified Transaction Volume - Manually imported

Verified Wallets	Transaction Volume	Holdings	Inflow from external	Outflow to external
Mercatox	524,545	247,848	4,568	124
Bitfinex	54,355	38,800	25,432	23,423
Total	578,900	306,648	30,000	23,547

Unverified Transaction Volume - Manually imported

Not verified Wallets	Transaction Volume	Holdings	Inflow from external	Outflow to external
Bitstamp	430,423	378,655	32,423	14,334
Total	430,423	378,655	32,423	14,334

Gran Total	9,641,519	4,500,984	694,765	1,316,902
------------	-----------	-----------	---------	-----------

* All amounts in CHF unless otherwise noted. The value is rounded to the nearest integer.
Transaction Volume represents gross volume based on flow in CHF at time of activity, including transfers between wallets.
A verified wallet represents that the user has verified ownership and we can attest to the ownership of the wallet.
API vs Manual represents the manner in which data was obtained from exchanges & blockchains.



Proof of transaction report III

It is key to know about the full cashflow

1 → Inflow from external

For AML purposes the source of funds is essential, hence in the report are all inflow transactions from external disclosed separately and depending on the internal compliance additional evidences are needed.

2 ← Outflow to external

For AML purposes all outflow to external are not crucial but relevant for the entire analysis.

3 > Transaction Volume and Holding

The transaction volume shows the overall volume traded on this account / wallet. And holdings is the breakdown to the account / wallet of the summary of all assets.

Verified Transaction Volume - API Imported

Verified Wallets	Transaction Volume	Holdings	Inflow from external	Outflow to external
Trezor	2,055,709	1,435,678	53,944	87,300
Metamask ETH	638,430	1,109,283	433,665	43,978
Metamask BSC	3,355,786	342,666	5,612	1,080,269
Kraken	2,085,726	904,567	53,245	0
Binance	496,545	23,467	85,876	67,474
Total	8,632,196	3,815,661	632,342	1,279,021

Verified Transaction Volume - Manually imported

Verified Wallets	Transaction Volume	Holdings	Inflow from external	Outflow to external
Mercatox	524,545	267,868	4,568	124
Bitfinex	54,355	38,800	25,432	23,423
Total	578,900	306,668	30,000	23,547

Unverified Transaction Volume - Manually imported

Not verified Wallets	Transaction Volume	Holdings	Inflow from external	Outflow to external
Bitmart	430,423	378,655	32,423	14,334
Total	430,423	378,655	32,423	14,334

Proof of transaction report IV

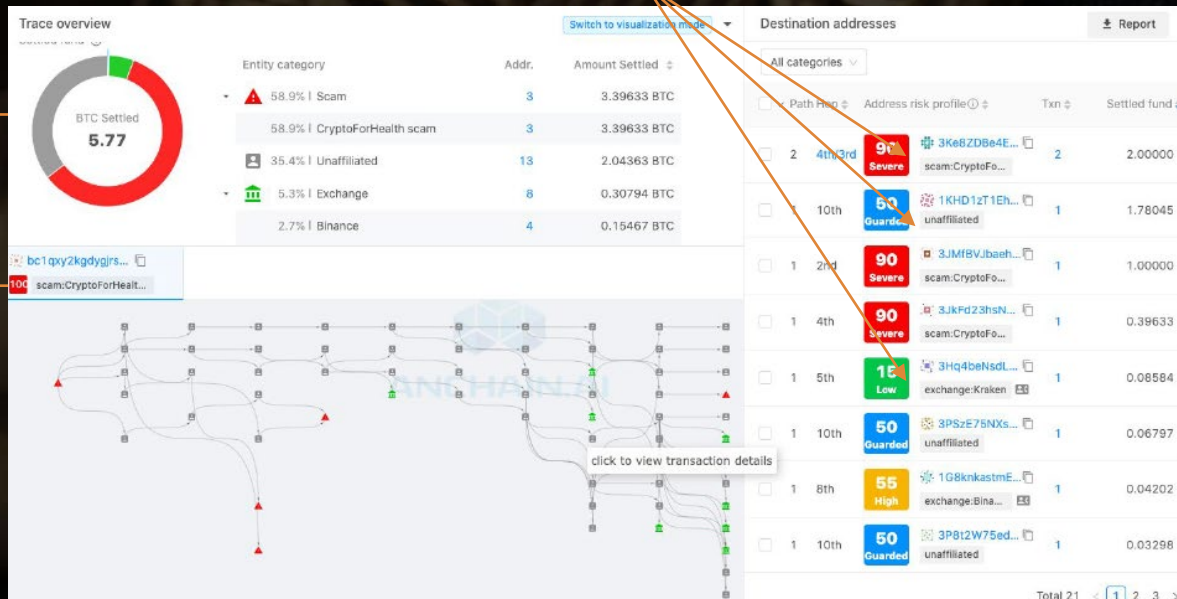
It is key to know about the full cashflow

Labels: scam, unclassified, exchange, unaffiliated, etc.

→ Inflow from external

← Outflow to external

All in- and outflows from and to external which can not be verified via the API or other third-party evidence will then run through a third-party service. With the this additional service the unknown transaction will be labelled and reported as such.



SECTION 5

PRACTICAL CASE IN THE AREA OF ACCOUNTING



Data readability



Profit/loss determination

Practical case - for accounting purposes

Starting point

- Initial investment \$ 100k in BTC
- Tax reporting done
- Source of funds confirmed
- Intends to establish a corporate entity to run the trading activities
- **What are the challenges and next recommended steps?**

Details of Person X



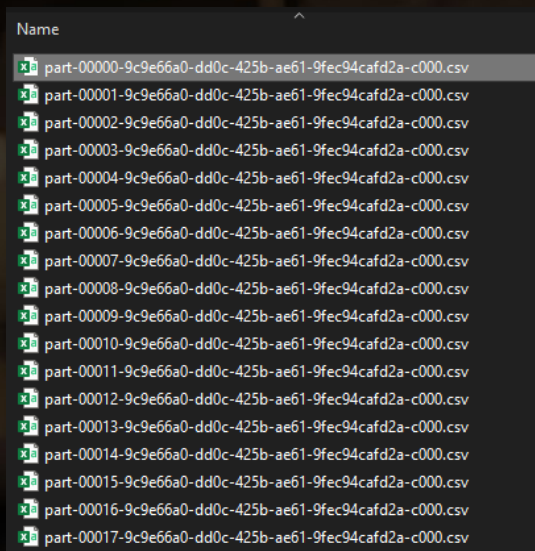
3 Wallets for decentralized trading



1 Centralized exchange account



Ø 1 000 trades a day



Several excel spreadsheets

	A	B	C	D	E	F
1	User_ID,UTC	Time,Account	Operation	Coin	Change	Remark
2	48843698	2020-09-17 22:45:46	Spot,Deposit	USD T	996.00000000	""
3	48843698	2020-09-17 22:51:09	Spot,Deposit	USD T	382934.80473800	""
4	48843698	2020-09-17 22:56:33	Spot,Deposit	BTC	0.48817612	""
5	48843698	2020-09-17 22:59:13	Spot,Transaction Related	BTC	-0.00390320	""
6	48843698	2020-09-17 22:59:13	Spot,Fee	BNB	-0.04234500	""
7	48843698	2020-09-17 22:59:13	Spot,Transaction Related	BTC	-0.00019512	""
8	48843698	2020-09-17 22:59:13	Spot,Fee	BNB	-0.00173250	""
9	48843698	2020-09-17 22:59:13	Spot,Buy	BNB	0.08000000	""
10	48843698	2020-09-17 22:59:13	Spot,Buy	BNB	120.00000000	""
11	48843698	2020-09-17 22:59:13	Spot,Fee	BNB	-0.09000000	""
12	48843698	2020-09-17 22:59:13	Spot,Buy	BNB	0.50000000	""
13	48843698	2020-09-17 22:59:13	Spot,Buy	BNB	0.65000000	""
14	48843698	2020-09-17 22:59:13	Spot,Fee	BNB	-0.00037500	""
15	48843698	2020-09-17 22:59:13	Spot,Fee	BNB	-0.00006000	""
16	48843698	2020-09-17 22:59:13	Spot,Fee	BNB	-0.00004500	""
17	48843698	2020-09-17 22:59:13	Spot,Transaction Related	BTC	-0.00158548	""
18	48843698	2020-09-17 22:59:13	Spot,Buy	BNB	2.31000000	""
19	48843698	2020-09-17 22:59:13	Spot,Fee	BNB	-0.00048750	""
20	48843698	2020-09-17 22:59:13	Spot,Transaction Related	BTC	-0.13772287	""
21	48843698	2020-09-17 22:59:13	Spot,Buy	BNB	0.93000000	""
22	48843698	2020-09-17 22:59:13	Spot,Fee	BNB	-0.00120000	""
23	48843698	2020-09-17 22:59:13	Spot,Buy	BNB	0.11000000	""

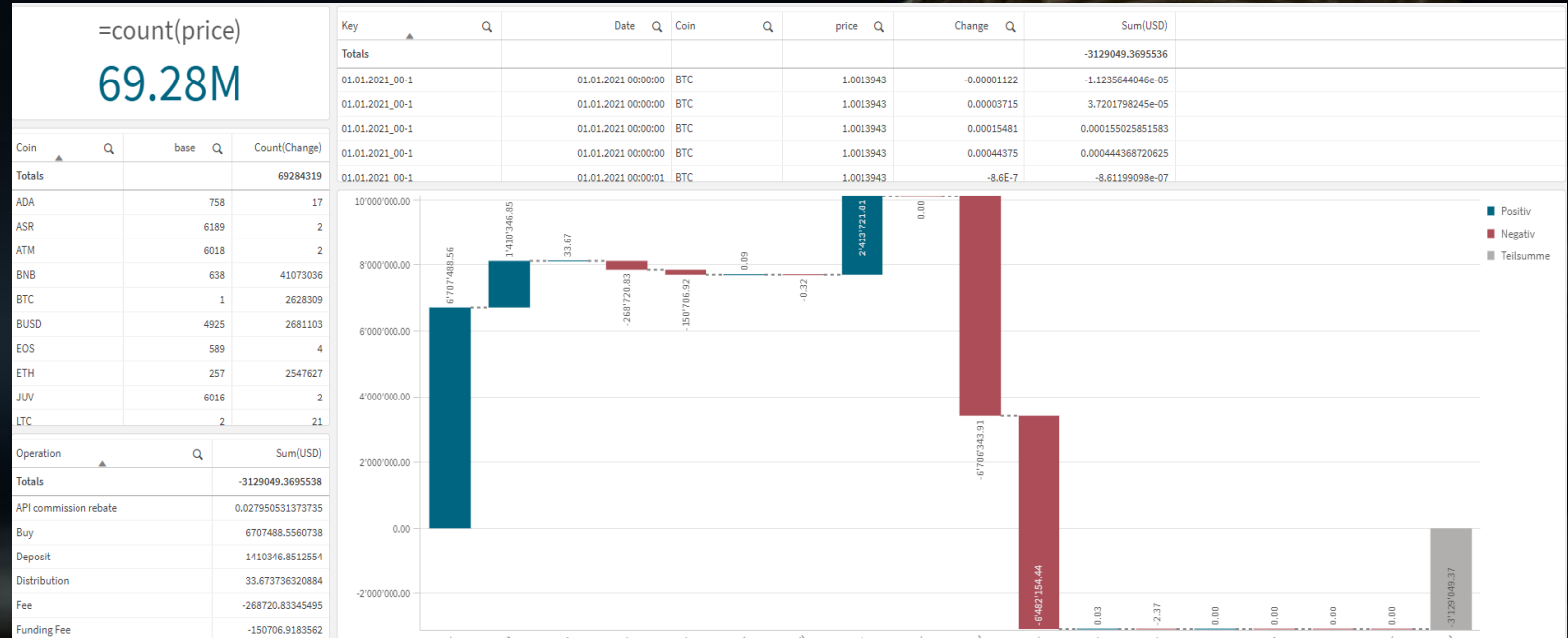
Excel content



Practical case in the area of accounting

Result from data structure

Outcome from our data analytical tool:



Practical case in the area of accounting

Data structure

If an automatic record is not feasible, manual work is needed
- for sake of illustration, here an example:

	A	B	C	D	E	F	G	H	I	J	K	L
1	timeExecuted	type	boughtQuantity	boughtCurrency	boughtCurrencyId	soldQuantity	soldCurrency	soldCurrencyId	feeQuantity	feeCurrency	classification	txId
2	23.11.2017	deposit	100	EUR	2089				0	EUR	add_funds	e17546e6-ca8d-5ffb-b4c5-6adc02733833
3	23.11.2017	order	0.01358865	BTC	1	96.16	EUR	2089	3.84	EUR		e17546e6-ca8d-5ffb-b4c5-6adc02733833
4	23.11.2017	withdraw				0.00698	BTC	1	0.00035435	BTC	payment	3b4b6efe4637428f19b8daca7d119e943797bcacbc34efbf005d6571389be95b
5	12.01.2018	deposit	200	EUR	2089				0	EUR	add_funds	39d4fe8-2235-5d85-b101-31160db3b728
6	12.01.2018	order	0.01673133	BTC	1	192.33	EUR	2089	7.67	EUR		39d4fe8-2235-5d85-b101-31160db3b728
7	12.01.2018	withdraw				0.008646	BTC	1	0.00115057	BTC	payment	37cfc9a70cfebe5f20fca8d15126d20a06e9cad984c7257cbdd563c25032479
8	08.12.2020	deposit	100	EUR	2089				0	EUR	add_funds	eb3fc8eb-da42-57bc-a3d5-380c55134232
9	08.12.2020	order	0.00616152	BTC	1	96.16	EUR	2089	3.84	EUR		eb3fc8eb-da42-57bc-a3d5-380c55134232
10	13.12.2020	deposit	20	EUR	2089				0	EUR	add_funds	a96c21fb-3a26-5ffa-ae35-f38b2b38fcd
11	13.12.2020	order	0.03818766	ETH	257	18.51	EUR	2089	1.49	EUR		a96c21fb-3a26-5ffa-ae35-f38b2b38fcd

Time consuming exercise - we highly recommend
to seek for an automated process

Practical case in the area of accounting I

Profit/Loss determination via the balance sheet opening and closing balances

Starting point: initial transfer in January of 40 Bitcoins @ USD 30'000 totalling to USD 1'200'000



A	B	C	D	E	F	G	H	I	J
1	USD								
2	Transaction	Month	Quantity Bitcoins	moving average price	Selling price	Cogs	Total selling value	realised profit /loss (-)	Open balance @ cost
4	Sell	Januray	-20	30'000	45'000	600'000	900'000	300'000	600'000
5	Sell	February	-15	30'000	48'000	450'000	720'000	270'000	150'000
6	Sell	May	-3	30'000	52'000	90'000	156'000	66'000	60'000
7	Sell	June	-2	30'000	55'000	60'000	110'000	50'000	0
8	Endbalance	30 June	0			1'200'000	1'886'000	686'000	

Ending balance as of 30 June: 0 Bitcoins and a total realized profit of USD 686'000

Practical case in the area of accounting II

Profit/Loss determination via the balance sheet opening and closing balances

A	B	C	G	H	I
1	USD				
2	Transaction	Month	Cogs	Total selling value	realised profit /loss (-)
8	Endbalance	30 June	1'200'000	1'886'000	686'000

Second half of the year, rebuying of 40 BTC @ total cost price USD 1'639'000



A	B	C	D	E	F	G	H	I	J
10	Transaction	Month	Quantity Bitcoins	moving average price	buying price		Total market value	unrealised profit /loss (-)	Open balance @ cost
11	Buy	July	10	53'000	53'000	0	530'000		530'000
12	Buy	August	15	48'200	45'000	0	675'000		1'205'000
13	Buy	September	7	44'219	30'000	0	210'000		1'415'000
14	Buy	Oktober	8	40'975	28'000	0	224'000		1'639'000
15	Endbalance	31 December	40			@ historical cost price	1'639'000	761'000	1'639'000

A	B	C	D	E	F	J
10	Transaction	Month	Quantity Bitcoins	moving average price	buying price	Open balance @ cost
17	Endbalance	31 December	40	@ Market value/ fair value	60'000	2'400'000

Market value as of 31 December USD 60'000 / BTC = 2.4 Mio. USD



Practical case in the area of accounting III


Profit/Loss determination via the balance sheet opening and closing balances

	A	B	D	F	J
10		Transaction	Quantity Bitcoins	buying price	Open balance @ cost
26					
27		Open balance	40	30'000	1'200'000
28		Ending balance	40	60'000	2'400'000
29					
30		Delta			1'200'000

realised profit /loss (-)
300'000
270'000
66'000
50'000
686'000









unrealised profit /loss (-)
761'000

Potential hide effect



Profit & loss impact	1'447'000	1'200'000
Delta value / %	247'000	21

Summary and key take aways

-   Have a (automated) solution in place to link the crypto activities to the FIAT environment (BDO & Accounting)
-   Be aware of the market challenges and understand your customers business activities (AML and tax report)
-   Establish a consistent accounting approach - i.e., accounting manual (Accounting)
-   Conduct an overall reconciliation process to secure the completeness of the transactions and balances

!! For these reasons and to develop new solutions, BDO and Accounting have entered into a strong partnership !!

Question and Apèro

