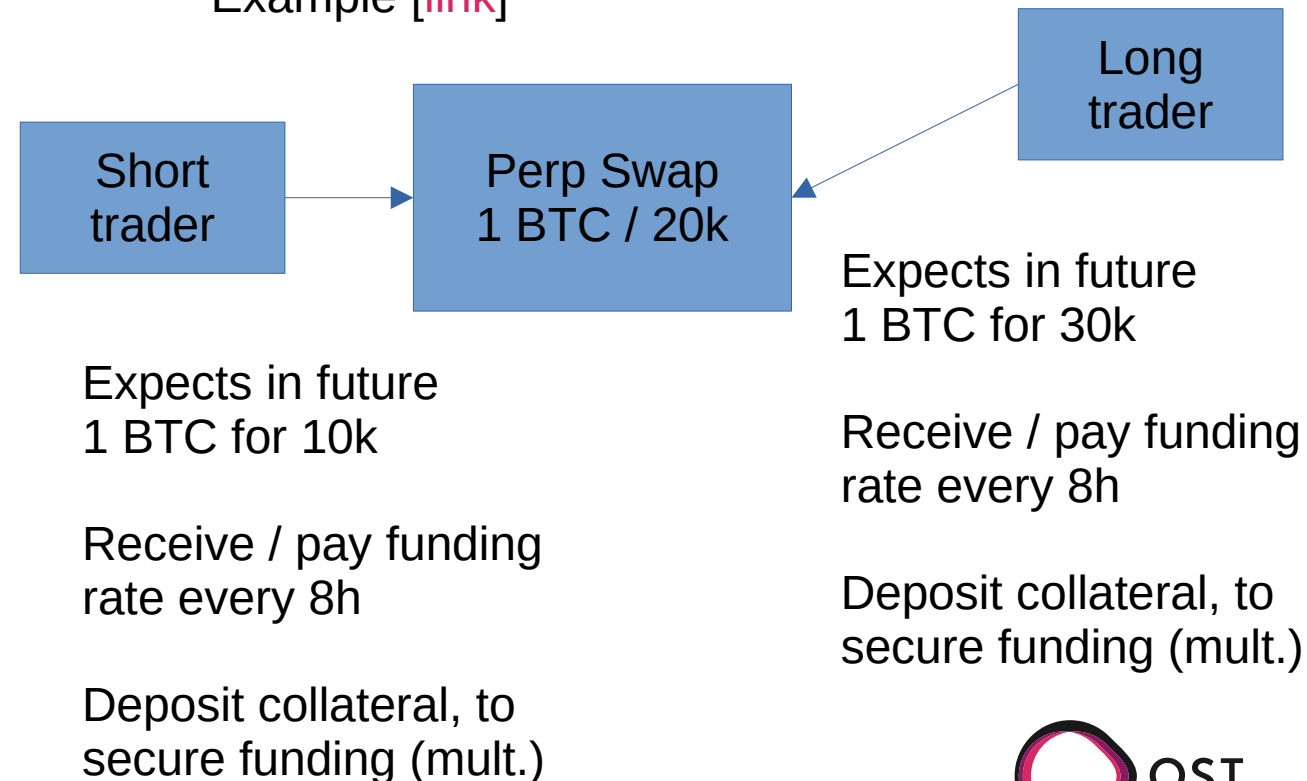# Distributed Systems & Blockchain

In the news

Thomas Bocek

23.10.2022

Distributed Systems & Blockchain in the News

- 12.10.2022: Everything We Know About the Mango Markets Hack [link]

  - Trading platform on Solana, trades perpetuals

  - 2 accounts with 5m collateral, one to short MNGO perp, one to long MNGO perp

  - Pump the price of MNGO by 2'400% with a few million USDC

    - Buy MNGO on the market → low liquidity

  - Long position account $420m unrealized profits

  - Used as collateral for taking out loans on all coins on the Mango platform [link]

  - "Mango wasn't hacked, it worked exactly as intended" [link] - known issue? [link]

- What are Perpetual Contracts

  - Contract between two parties to sell or buy an asset at a fixed price without an execution date

  - Example [link]

Short trader → Perp Swap 1 BTC / 20k ← Long trader

Expects in future
1 BTC for 10k

Receive / pay funding
rate every 8h

Deposit collateral, to
secure funding (mult.)

Expects in future
1 BTC for 30k

Receive / pay funding
rate every 8h

Deposit collateral, to
secure funding (mult.)

OST

Distributed Systems & Blockchain in the News

- 20.10.2022: The HTTP crash course nobody asked for [link]

  - Good introduction, examples in the beginning

- 20.10.2022: 4,400 disgruntled investors are hunting for Terra's Do Kwon [link]

  - Discord users try to track Do Kwon

  - Best guess: Dubai

  - Interview 2:52 [link]

- 19.10.2022: Crypto hacks are set to hit all-time highs in 2022, analyst explains [link]

  - "This can't go on in the industry because people are going to lose faith in investing in DeFi platforms,"

- 19.10.2022: Bridge exploits account for ~50% of all DeFi exploits, totaling ~$2.5B in lost assets [link]

  - Bridge: Use same asset on multiple chains

    - Lock funds on one chain, unlock on other

    - "It also appears that the vast majority of cross-change exploits that have happened thus far took place on Ethereum Virtual Machine (EVM) blockchains" [link]

Bridge exploits account for ~50% of all exploited funds in DeFi, totaling ~$2.5B in lost assets

Funds lost in exploits per protocol type since September 2020

Protocol	Amount
Bridge	$2,470M
Lending	$718M
DEX	$362M
CEX	$360M
Yield Aggregator	$331M
Others	$289M
Stablecoin	$281M
GameFi	$155M
Synthetic Assets	$92M
Passive Investing	$29M
Liquidity Manager	$28M
Olympus Fork	$22M
Index Fund	$18M
Insurance	$9M
Wallet	$5M

token terminal_

5 out of the 6 largest DeFi exploits are on cross-chain bridges, including:
- Ronin Network: $624M
- Poly Network: $611M
- BNB Bridge: $586M
- Wormhole: $326M
- Nomad Bridge: $190M

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