

VSI Services

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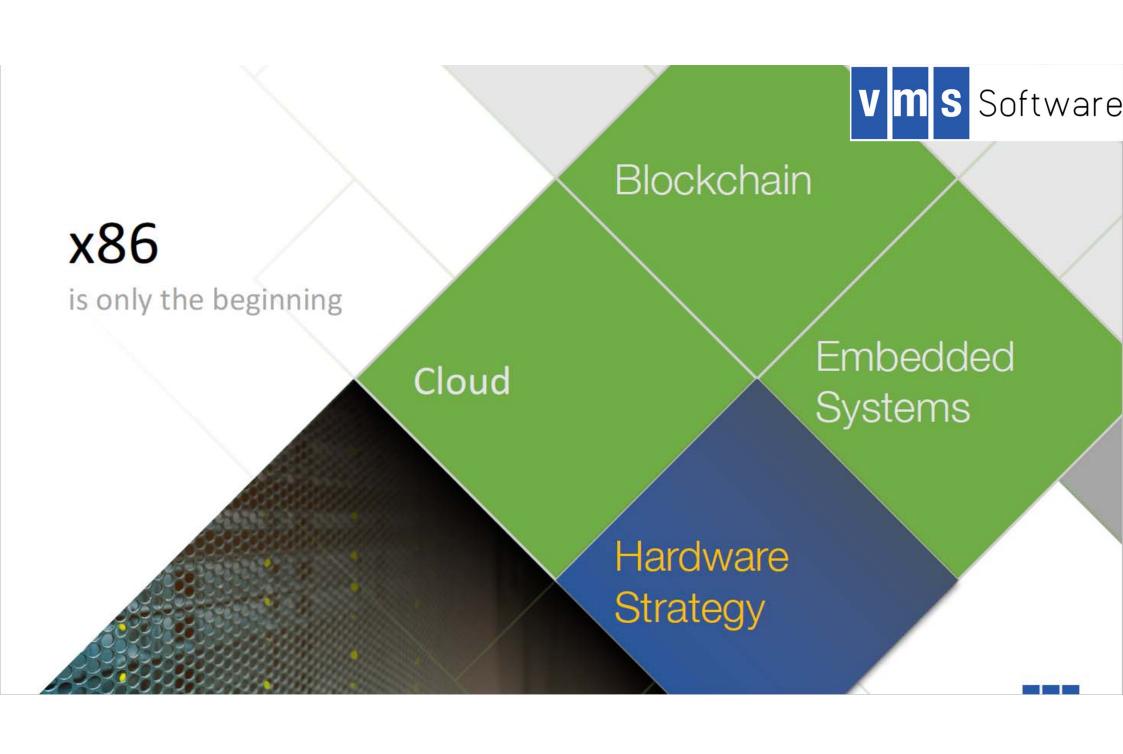






VSI Services

- Currently in investigation phase
- To be announced soon
- Offer the VMS-customer a good eco-system
- Plus extra offerings soon and for the long term







OpenVMS and Cloud

- Private cloud vs Public cloud
- And yes, we have got clustering

OpenVMS and Blockchain

- Private Blockchain vs Public Blockchain
- And yes, with the latest versions of OpenVMS quite a lot is possible



Blockchain

- Distributed ledger (grootboek, Hauptbuch, liggare, livre)
- https://en.wikipedia.org/wiki/Blockchain

A **blockchain**^{[1][2][3]} – originally **block chain**^{[4][5]} – is a continuously growing list of records, called *blocks*, which are linked and secured using cryptography.^{[1][6]} Each block typically contains a hash pointer as a link to a previous block,^[6] a timestamp and transaction data.^[7] By design, blockchains are inherently resistant to modification of the data. A blockchain can serve as "an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way."^{[8][not in citation given (See discussion.)]} For use as a distributed ledger, a blockchain is typically managed by a peer-to-peer network collectively adhering to a protocol for validating new blocks. Once recorded, the data in any given block cannot be altered retroactively without the alteration of all subsequent blocks, which requires collusion of the network majority.

Blockchains are secure by design and are an example of a distributed computing system with high Byzantine fault tolerance. Decentralized consensus has therefore been achieved with a blockchain.^[9] This makes blockchains potentially suitable for the recording of events, medical records,^{[10][11]} and other records management activities, such as identity management,^{[12][13][14]} transaction processing, documenting provenance, or food traceability.^[15]

The first distributed blockchain was conceptualised in 2008 by an anonymous person or group known as Satoshi Nakamoto and

Blockchain



Blockchain and Bitcoins

- Blockchain is more than the crypto-currency Bitcoin
- Just google for "IT/consultancy-company" and Blockchain
- Dozens of conferences about Blockchain and especially Bitcoin
- Btw <u>www.coursera.org</u> has free Bitcoin-course
- Sometimes Bitcoin-mania looks like the Black Tulip, some centuries ago

A brief history of value exchange



Barter



Gold and Silver



Different Banks, Different Notes

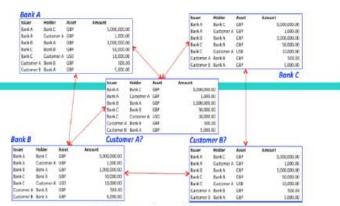


Central Bank

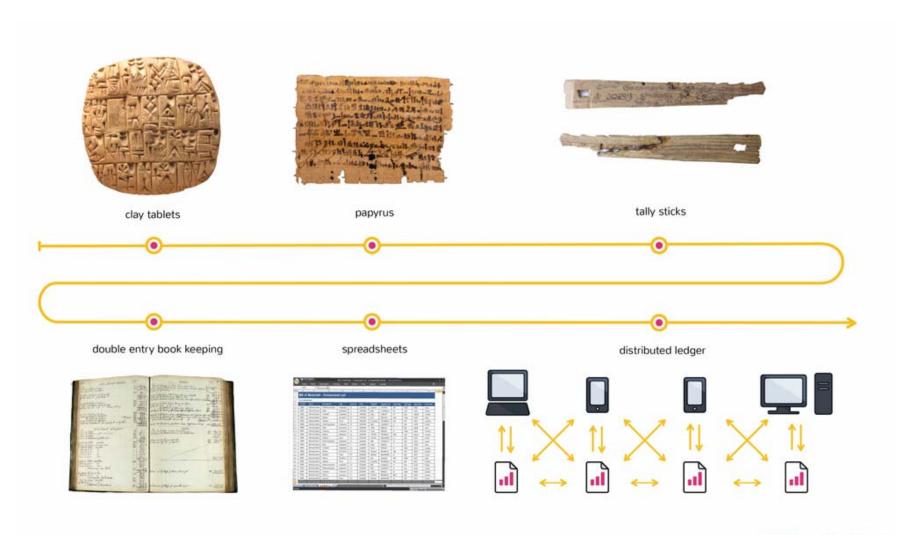




Ledger



Blockchain





Bitcoin-calculations...

