

Consensus Mechanisms



About 231,000,000 results (0.44 seconds)

Showing results for **consensus mechanisms**

Search instead for **consensus mechnaisms**

A consensus mechanism is a **fault-tolerant mechanism** that is used in computer and blockchain systems to achieve the necessary agreement on a single data value or a single state of the network among distributed processes or multi-agent systems, such as with cryptocurrencies. Aug 4, 2021

<https://www.investopedia.com> › ... › Blockchain

Consensus Mechanism (Cryptocurrency) - Investopedia



About featured snippets



Feedback

People also ask

What are the types of consensus mechanism?



What is the mechanism of blockchain?



Is mining the consensus mechanism?

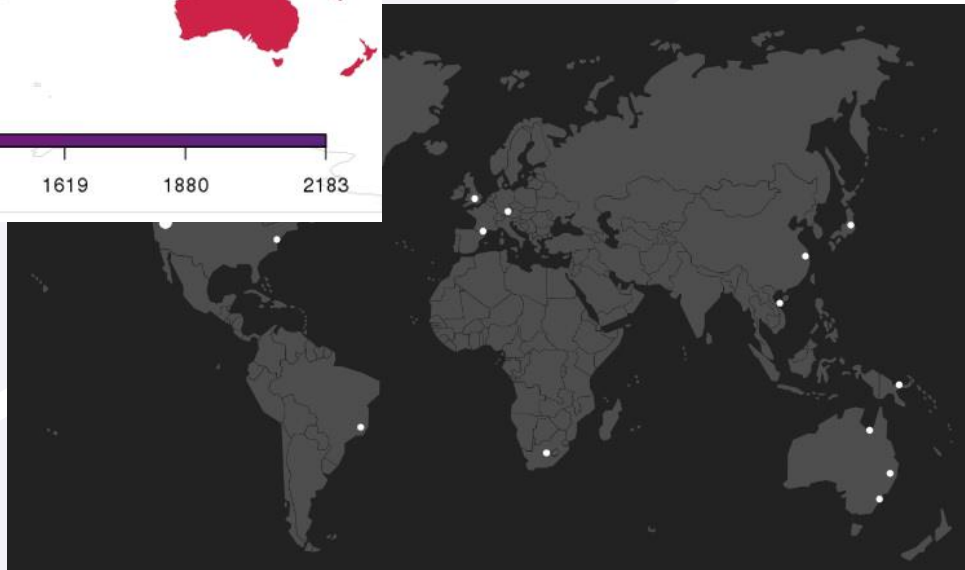
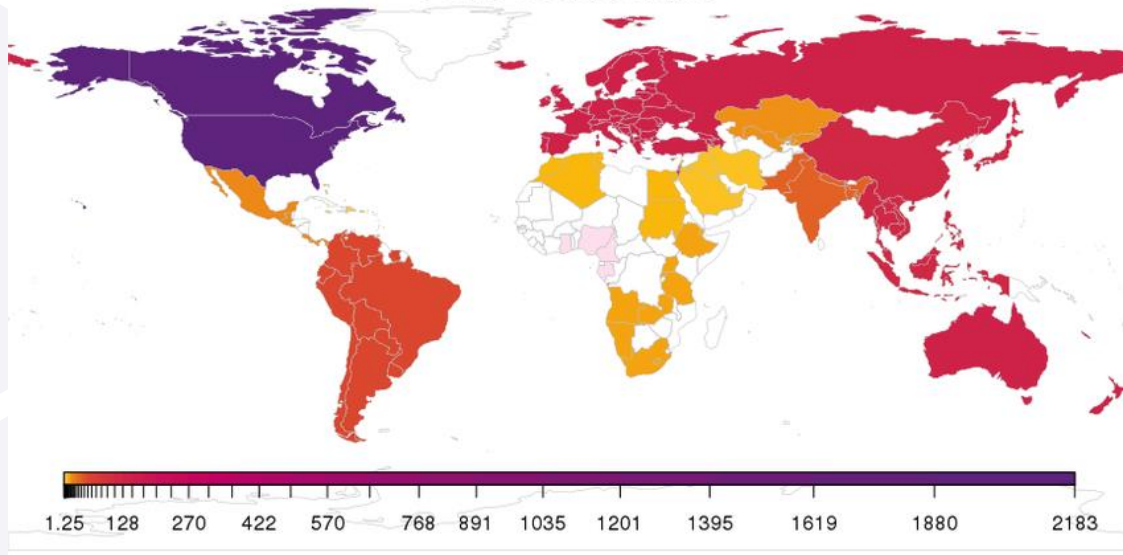


How do you create a consensus mechanism?

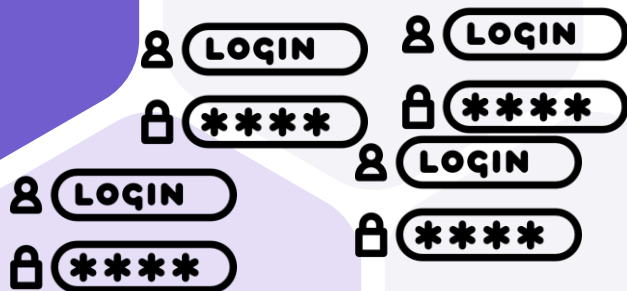


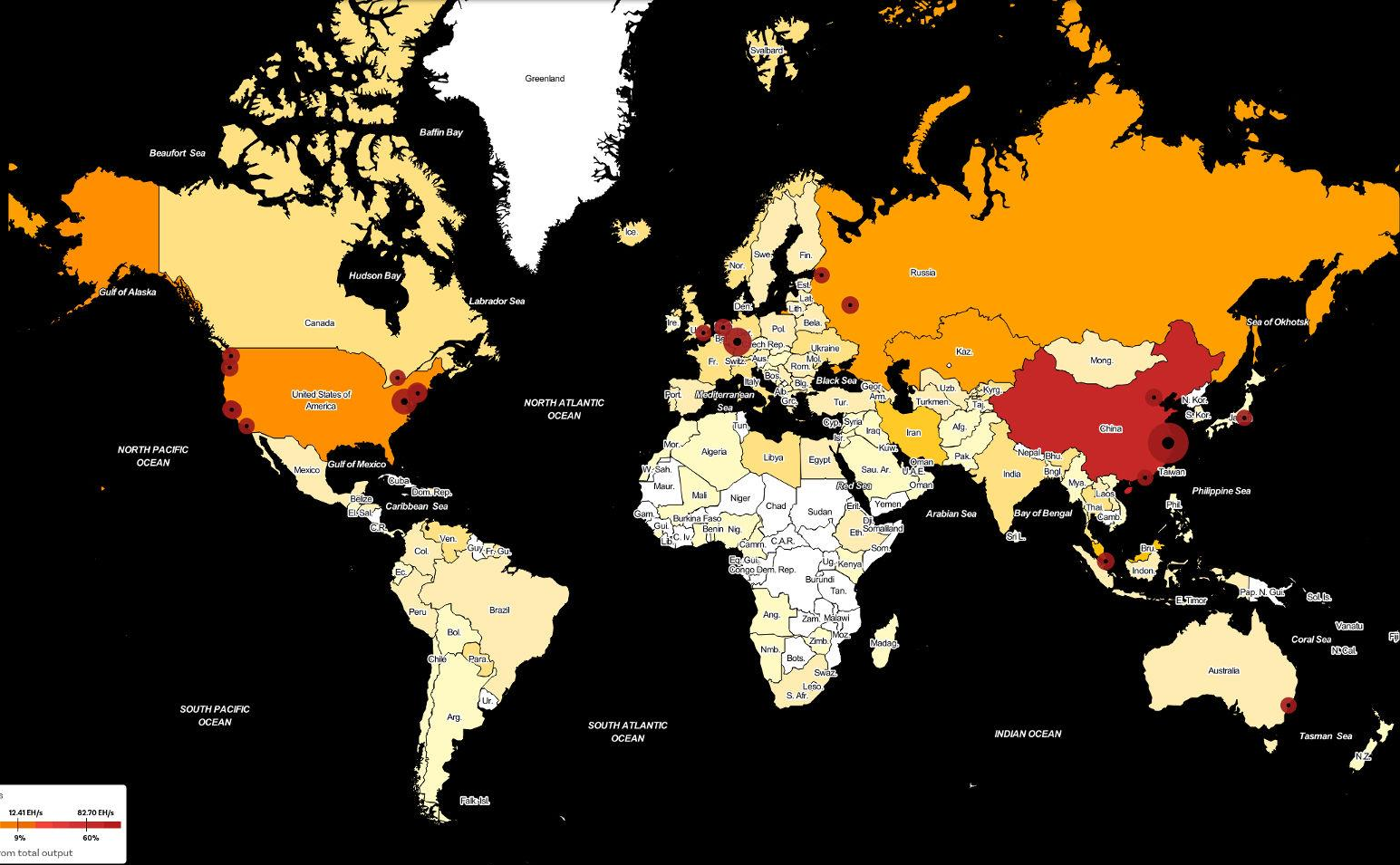
Feedback

Peer IP Count by Region









~1mm+

Winning Numbers for Wed, October 27, 2021

19 26 54 55 60 04

DRAW 1 OF 1



Your Plays:

02 30 37 50 54 02

06 19 26 51 59 01

09 28 30 43 49 02

06 14 20 34 45 01

03 09 16 26 49 02

Ticket Number: **I6-xxxx-1-28**

Game Name: **Cash4Life**

Number of Draws: **1**

Number of Plays: **5**

Draw Date: **Wed, October 27, 2021**

Ticket Price: **\$10.00**



Proof of Work



SOLANA

POH Sequence

Index	Operation	Output Hash
1	sha256("any random starting value")	hash1
200	sha256(hash199)	hash200
300	sha256(hash299)	hash300
336	sha256(append(hash335, photograph1_sha256))	hash336
400	sha256(hash399)	hash400
500	sha256(hash499)	hash500
600	sha256(append(hash599, photograph2_sha256))	hash600
700	sha256(hash699)	hash700

Table 1: PoH Sequence With 2 Events

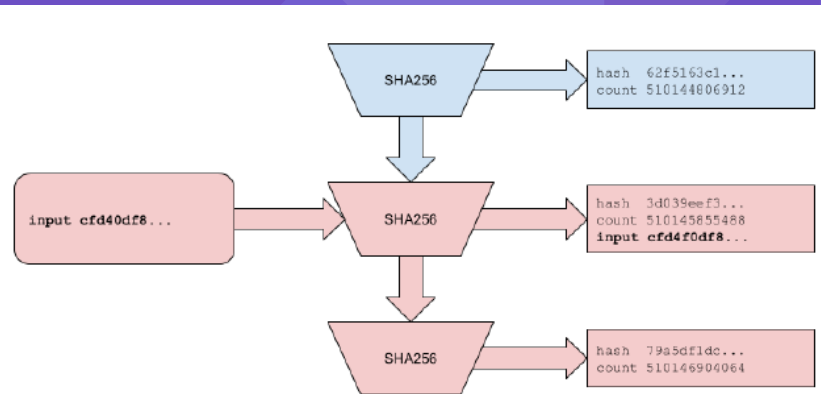


Figure 3: Inserting data into Proof of History

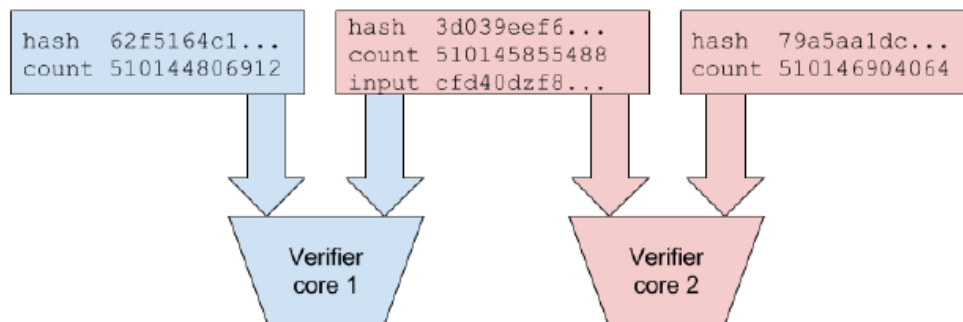


Figure 4: Verification using multiple cores

Fault Tolerance



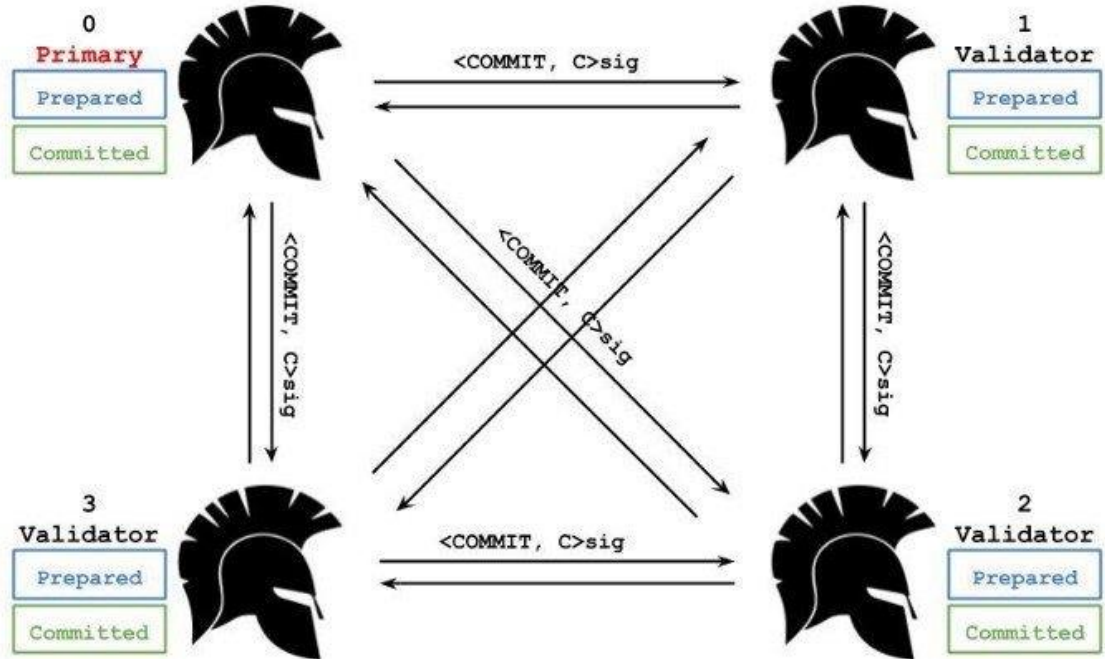


CØSMOS



HYPERLEDGER

Commit Phase





Sybil / Bing accts



What is a “fault” ?

Carrie Lam



Chief Executive of Hong
Kong



Carrie Lam Cheng Yuet-ngor GBM GBS is a Hong Kong politician serving as the fourth and current Chief Executive of Hong Kong since 2017 and Chairperson of the Committee for Safeguarding National Security since 2020. [Wikipedia](#)





- At 10:57 PM PST 7/31/2020, Ethereum Classic (ETC) was 51% attacked resulting in ~800,000 ETC (~\$5.8 million) of double spend transactions.
- At 8:15PM PST 8/5/2020, Ethereum Classic was 51% attacked again resulting in ~460,000 ETC (~\$3.2 million) of double spend transactions.



PAL-V Liberty Pioneer Edition

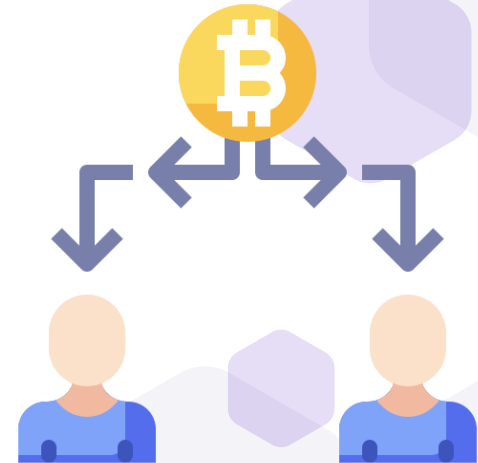
\$599,000.-

or **9.87152 Bitcoin**

PAL-V Liberty Sport Edition

\$399,000.-

or **6.57552 Bitcoin**



Chain DAG

Stellar Address

Address:

GDQP2KPQGKIHYJGXNUIYOMHARUARCA7DJT5FO2FFOOKY3B2WSQHGW37



Crypto

Balance:	XLM	195.7444294
BTC Value:	₮	0.00126255

Fiat

USD Value:	\$	14.3676
EUR Value:	€	32.5523

Payment

214f106785ae798e1de02b7aac1a1268c9781a7b70238c6149fe1d65cf50aa56

GDUST544JNATIO2VI3L7LXHVFZXXNYRWIKNMGRV2RZFZO0BE635SEI4C



GDQP2KPQGKIHYJGXNUIYOMHARUARCA7DJT5FO2FFOOKY3B2WSQHGW37

XLM 155.7444394

2021-11-02 19:04:28

less than a minute ago

Payment

985be2a05fb7a17de9d4f516393c58f9f1886c50c51631fadc94a50c193a1098

GDQP2KPQGKIHYJGXNUIYOMHARUARCA7DJT5FO2FFOOKY3B2WSQHGW37



GA4IRj52YGZQJDS7Xj375UGSI4FE4KQXHFYUYNR5QXDQVNAQTJRJAB

XLM 4240.9438373

2021-11-02 19:04:17

less than a minute ago

Payment

4ae1171f7951971320d974138be145fd6cfd8b106117b7b0850751dff159770

GCZDZUHM0ZF2OIEUK3BRF6WFXH4KXI5PVXWU7NDVPBN3A4ZBMYZTLGZZ



GDQP2KPQGKIHYJGXNUIYOMHARUARCA7DJT5FO2FFOOKY3B2WSQHGW37

XLM 224.6366001

2021-11-02 19:03:55

less than a minute ago

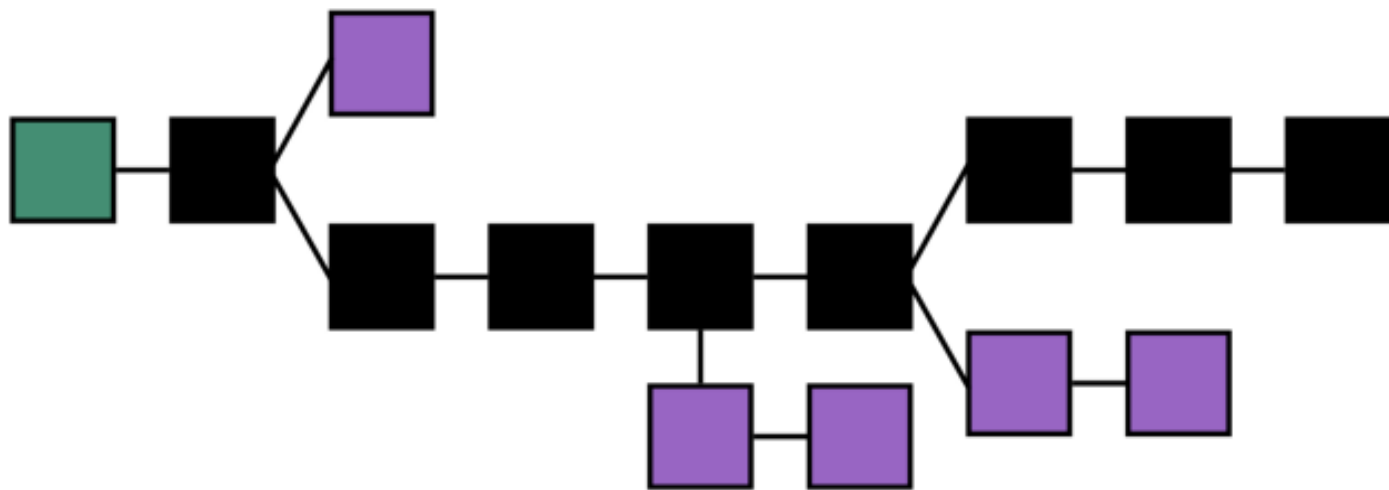
Payment

30eb0eb837545610e01808f02481669623e34e3ddb4137d5d7bf44f01fdc773c

GARRZHEOATZKESNQY4SLC63R3Q4KTZT2RRY5DHCNXCCEBMDUXWYBBDPN3

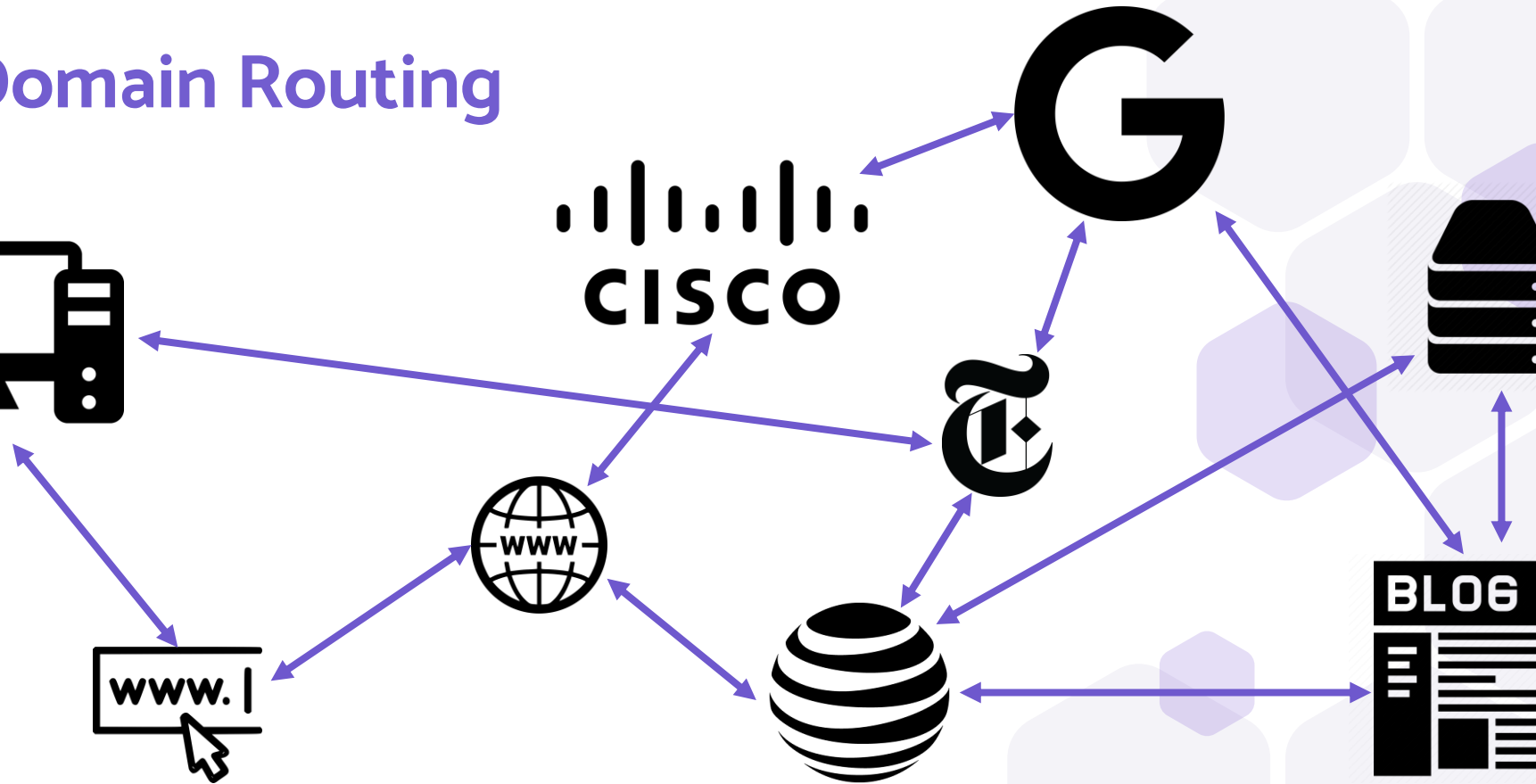
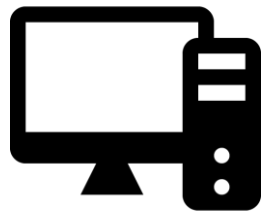


GDQP2KPQGKIHYJGXNUIYOMHARUARCA7DJT5FO2FFOOKY3B2WSQHGW37



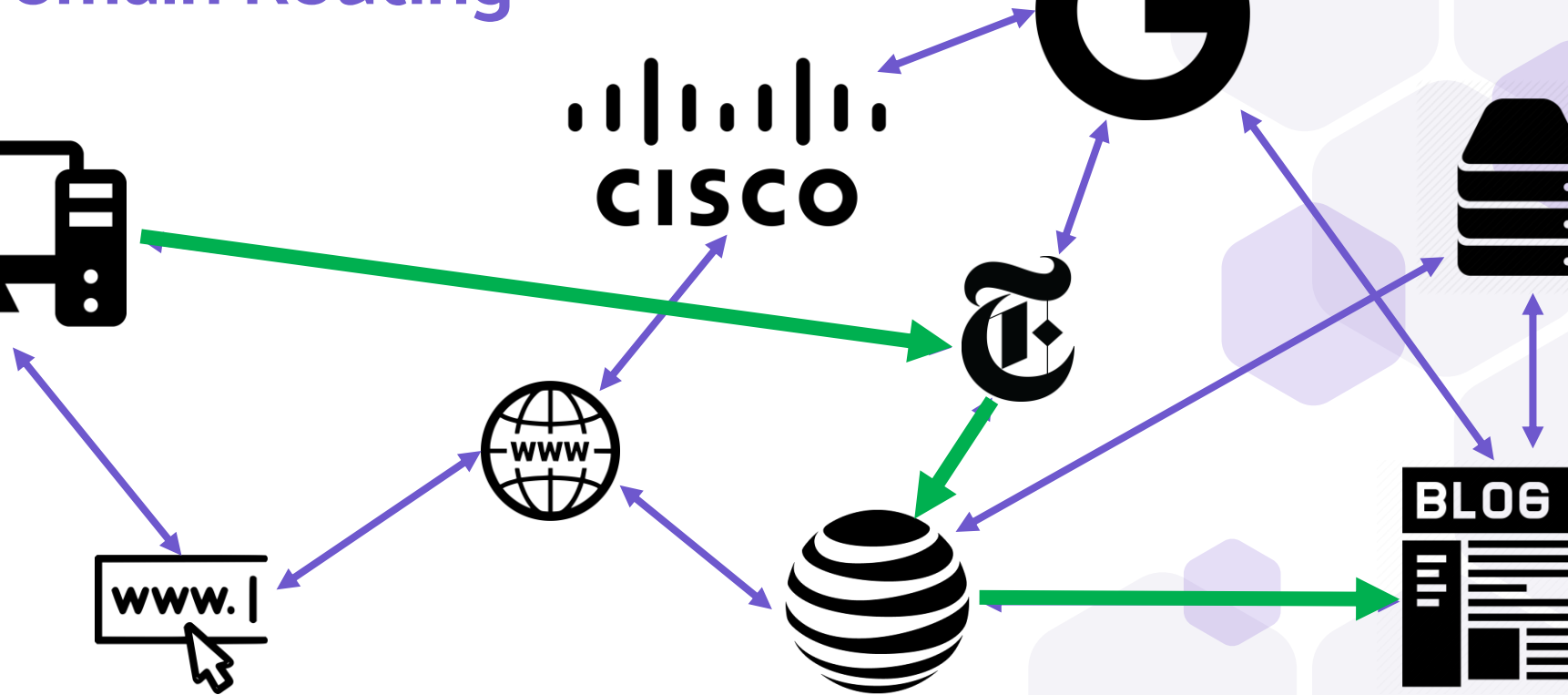
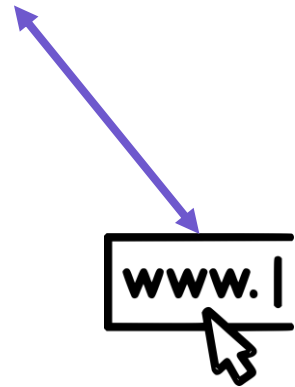


Domain Routing



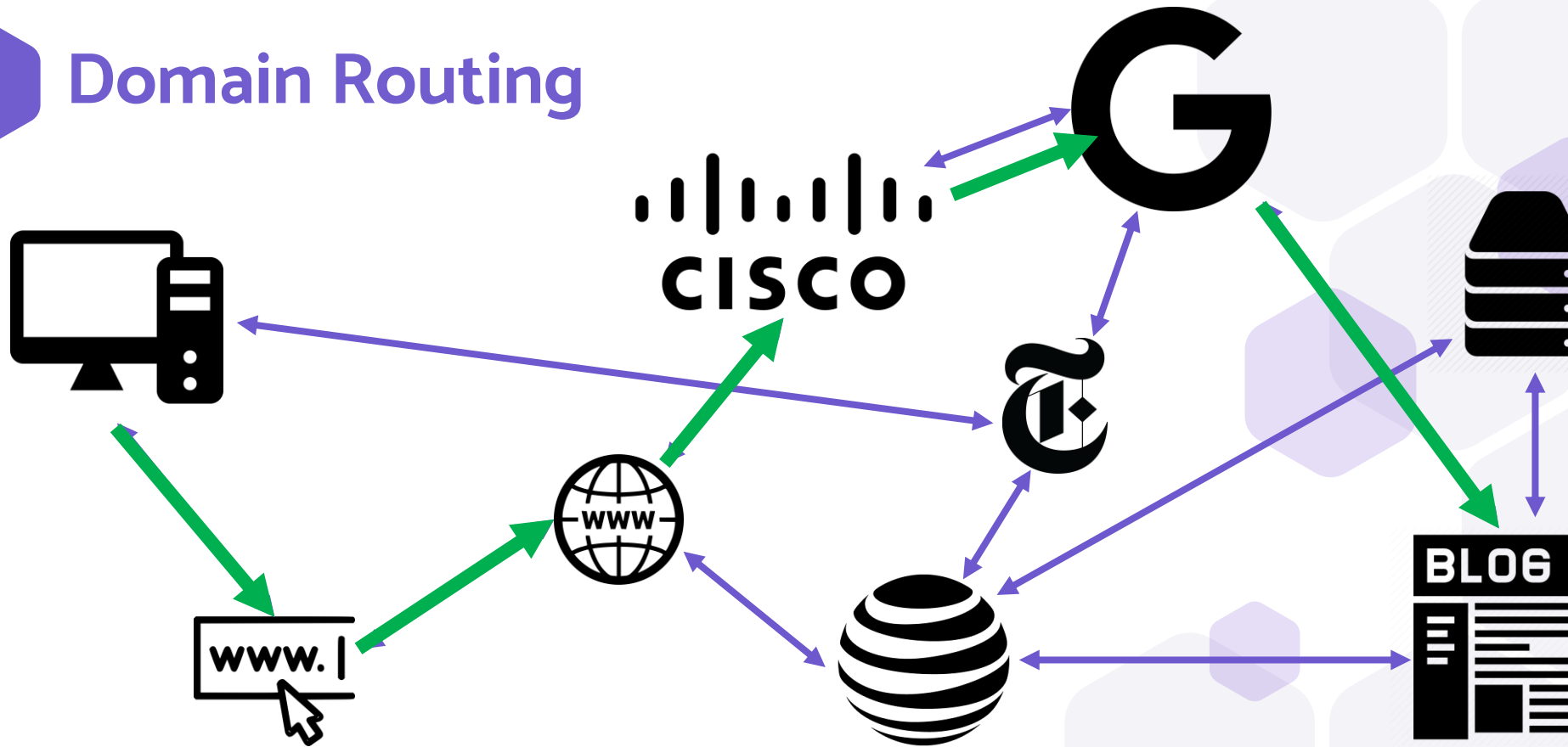


Domain Routing



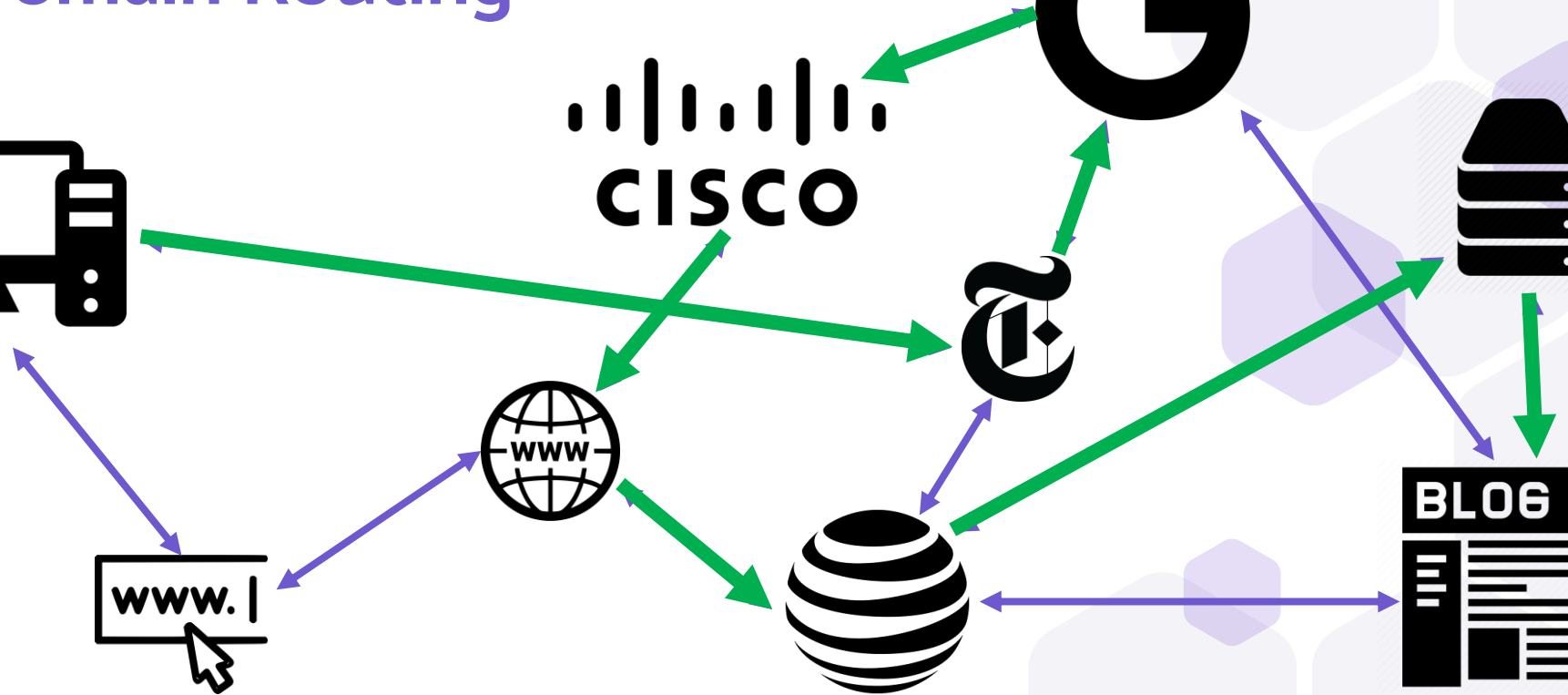
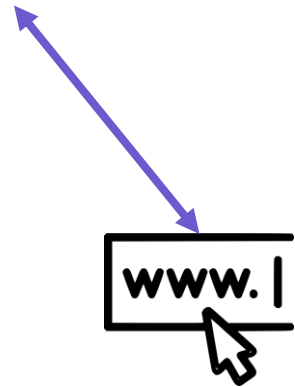
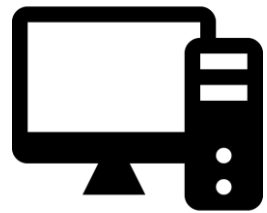


Domain Routing



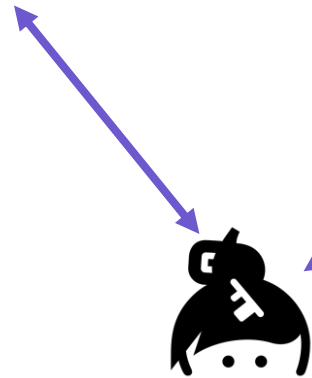
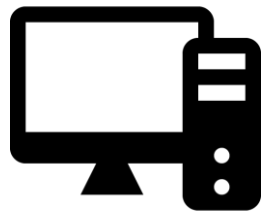


Domain Routing





Collective Consensus



Types of consensus mechanisms

Classical

PoW

PoS (?)

Avalanche

DAG/TxnSets

Ledger/StateMachine