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QUESTION 1

Consider the following scenario: A solo app developer wants to create their own cryptocurrency and build a blockchain based that allows users to buy and sell second-hand items with that cryptocurrency from each other. Before the transaction is considered complete, the purchaser must put the funds in an escrow service and the sender must enter the courier tracking number into that same escrow. Time is of the essence and this developer doesn\\'t want to worry about networking of infrastructure. This app must be fully autonomous or "decentralized".

Which architecture would best solve the product need?

A. Ethereum for token creation and escrow service; User-facing features built with web technologies and deployed through IPFS

B. Ethereum for token creation; Traditional multitier API and database for escrow service; User-facing features built in web technologies then minified unto a String and deployed to an Ethereum Smart Contract

C. Hyperledger Fabric for the escrow service and token creation using chaincode; User-facing features built with Hyperledger Composer

D. The product cannot be built. Fully decentralized apps are not yet possible for user interface

Correct Answer: B

QUESTION 2

The Secure Registry Services enables Secured _____Registry of base Hyperledger images and custom images containing chaincodes.

What type of registry is implemented?

A. Docker

B. EVM

C. Kubenetes

D. VMWare

Correct Answer: A

Secure Registry Services enables Secured Docker Registry of base Hyperledger images and custom images containing chaincodes.

QUESTION 3

In what year did a whitepaper that was published by "Satoshi Nakamoto" outlined a solution to the Byzantine Generals problem?

A. 2006

B. 2009

C. 2008

D. 2010

Correct Answer: C

In 2008 a whitepaper is published by "Satoshi Nakamoto" which outlines a solution to the Byzantine Generals problem

QUESTION 4

What are two reasons that you would consider implementing a POW algo in your blockchain? (Select two.)

A. PoW imposes no limits on actions in the network and therefore can thwart attacks better than other algos due to high cost

B. What matters is to have large computational power to solve the puzzles and form new blocks over having a financial stake.

C. PoW imposes some limits on actions in the network and therefore can thwart attacks better than other algos due to high cost

D. The algo is energy efficient compared to POS and BFT

E. The algo is energy efficient compared to POS and DPOS

Correct Answer: BC

The main benefits are the anti-DoS attacks defense and low impact of stake on mining possibilities. Defense from DoS attacks. PoW imposes some limits on actions in the network. They need a lot of efforts to be executed. Efficient attack requires a lot of computational power and a lot of time to do the calculations. Therefore, the attack is possible but kind of useless since the costs are too high. Mining possibilities. It doesn\'t matter how much money you have in your wallet. What matters is to have large computational power to solve the puzzles and form new blocks. Thus, the holders of huge amounts of money are not in charge of making decisions for the entire network.

Reference: https://cointelegraph.com/explained/proof-of-work-explained

QUESTION 5

Which one of the following is a consideration that must be taken into account when using Hyperledger Fabric that you wouldn\'t need worry about on Ethereum?

A. The fees for deploying and using Smart Contracts

B. How you will provide proper uptime for the network

C. The level of security of Smart Contracts (chaincode)

D. How often hard forks occurs on the software

Correct Answer: D