Blockchain wallet with Metamask and Solidity

ethereum

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Introduction

Agenda

1) Brief Introduction to Blockchain
2) Objectives & Benefits of Blockchains
3) Workflow
4) Software Components
5) Future Scope

Brief Introduction to Blockchain

- A Blockchain is a distributed database that is shared among the nodes of a computer network. As a database, a blockchain stores information electronically in digital format. Blockchains are best known for their crucial role in cryptocurrency systems, such as Bitcoin.

- A cryptocurrency is a digital or virtual currency that is secured by cryptography, which makes it nearly impossible to counterfeit or double-spend. Many cryptocurrencies are decentralized networks based on blockchain technology—a distributed ledger enforced by a disparate network of computers.

Objective & Benefits of Blockchains

The goal of blockchain is to allow digital information to be recorded and distributed, but not edited.

1) Accuracy of the Chain
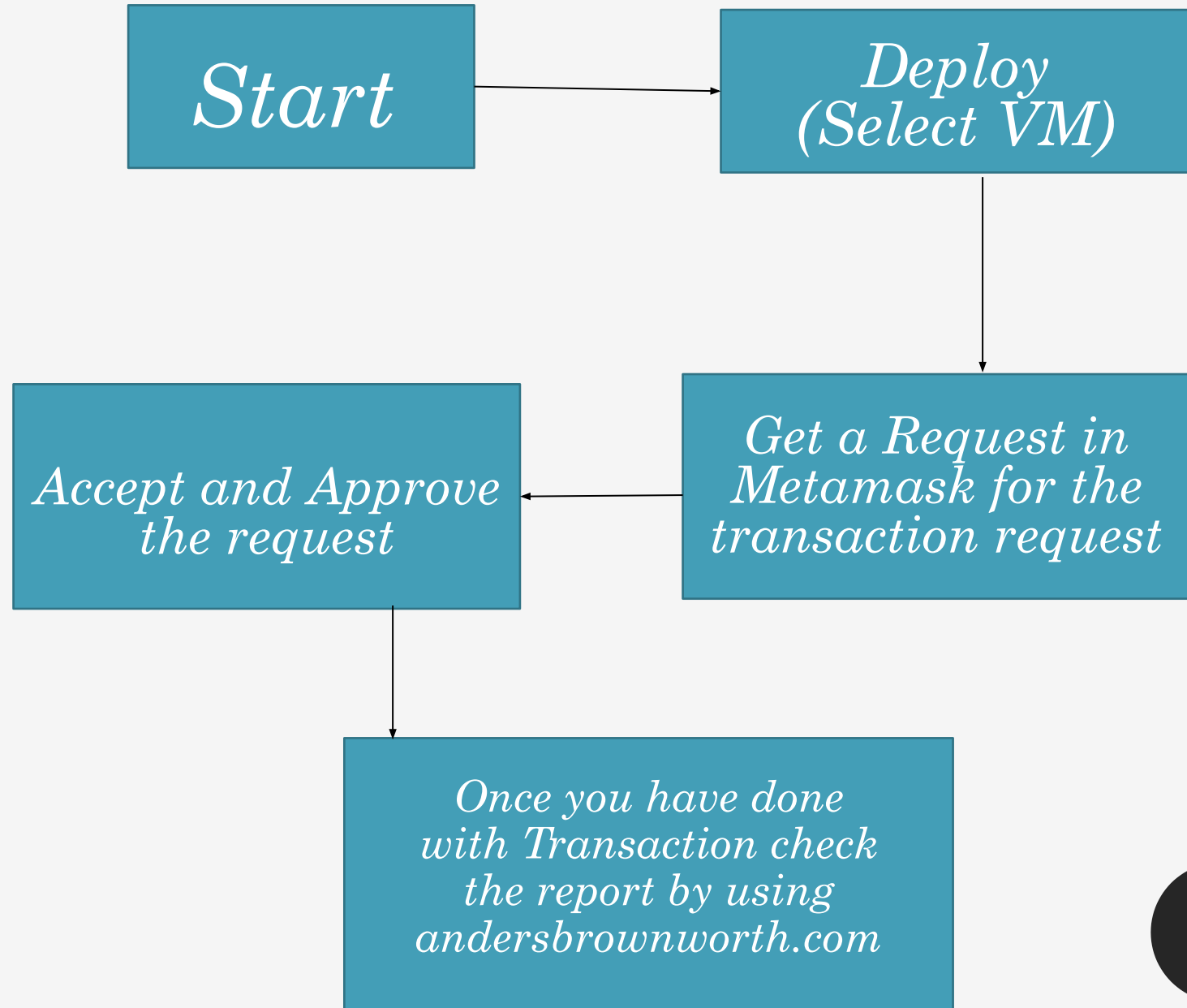
2) Cost Reductions

3) Private & Secure Transaction

Objectives & Benefits of Blockchain

1) Enhanced Security: Your data is sensitive and crucial, and blockchain can significantly change how your critical information is viewed.

2) Greater Transparency: Without blockchain, each organization has to keep a separate database. Because blockchain uses a distributed ledger, transactions and data are recorded identically in multiple locations.

3) Increased efficiency and speed: Traditional paper-heavy processes are time-consuming, prone to human error, and often requires third-party mediation. By streamlining these processes with blockchain, transactions can be completed faster and more efficiently.

Workflow

Start → Deploy (Select VM)

Get a Request in Metamask for the transaction request

Accept and Approve the request

Once you have done with Transaction check the report by using andersbrownworth.com

Software Components

1) Metamask
2) Remix Ethereum
3) Andersbrownworth Blockchain
4) Visual Studio Code
5) Solidity 0.6.0

Future Scope

By 2030, it could be used as a foundational technology for 30 per cent of the global customer base. By 2025, blockchain would add a business value that will grow to over $176 billion.

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Thank You ☺️