

Introduction

Aptos - Originating from Ohlone Native American word for the "the people"

Aptos is a new Layer-1 blockchain built to bring **Web3** to the masses. It is designed from the ground up to make developing on a blockchain easy and seamless.

The main issue **Aptos** addresses are blockchains suffer frequent outages, have high costs, low limits and many security concerns. Aptos solves these through a design which focuses on safety, scalability, upgradeability, and reliability.

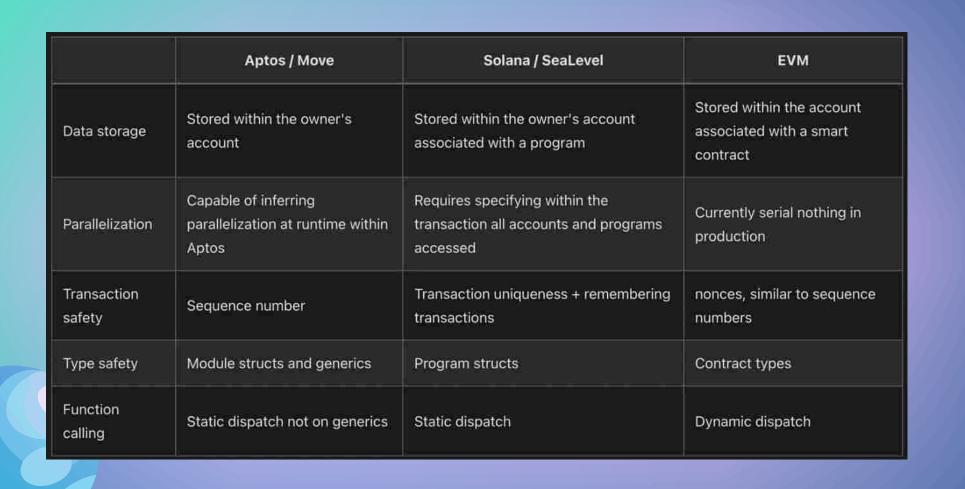
Aptos is a layer-1 Proof of sake (PoS) Blockchain built upon **Move** programming language. Move was developed by Facebook's blockchain division from Diem. They pioneered social media and now they are pioneering Defi. Aptos eventually cut ties with Meta in March 2022 becoming an independent body and proceeded to raise to raise \$200 Million in funding.

Aptos has been built for adoption! Theoretically it can reach 160,000 transactions per second whilst maintaining security and reliability. Aptos is perceived as more than reliable in comparison to it's rival Solana which has been prone to failures due to outages and downgrades.









Understanding Parallel Transactions

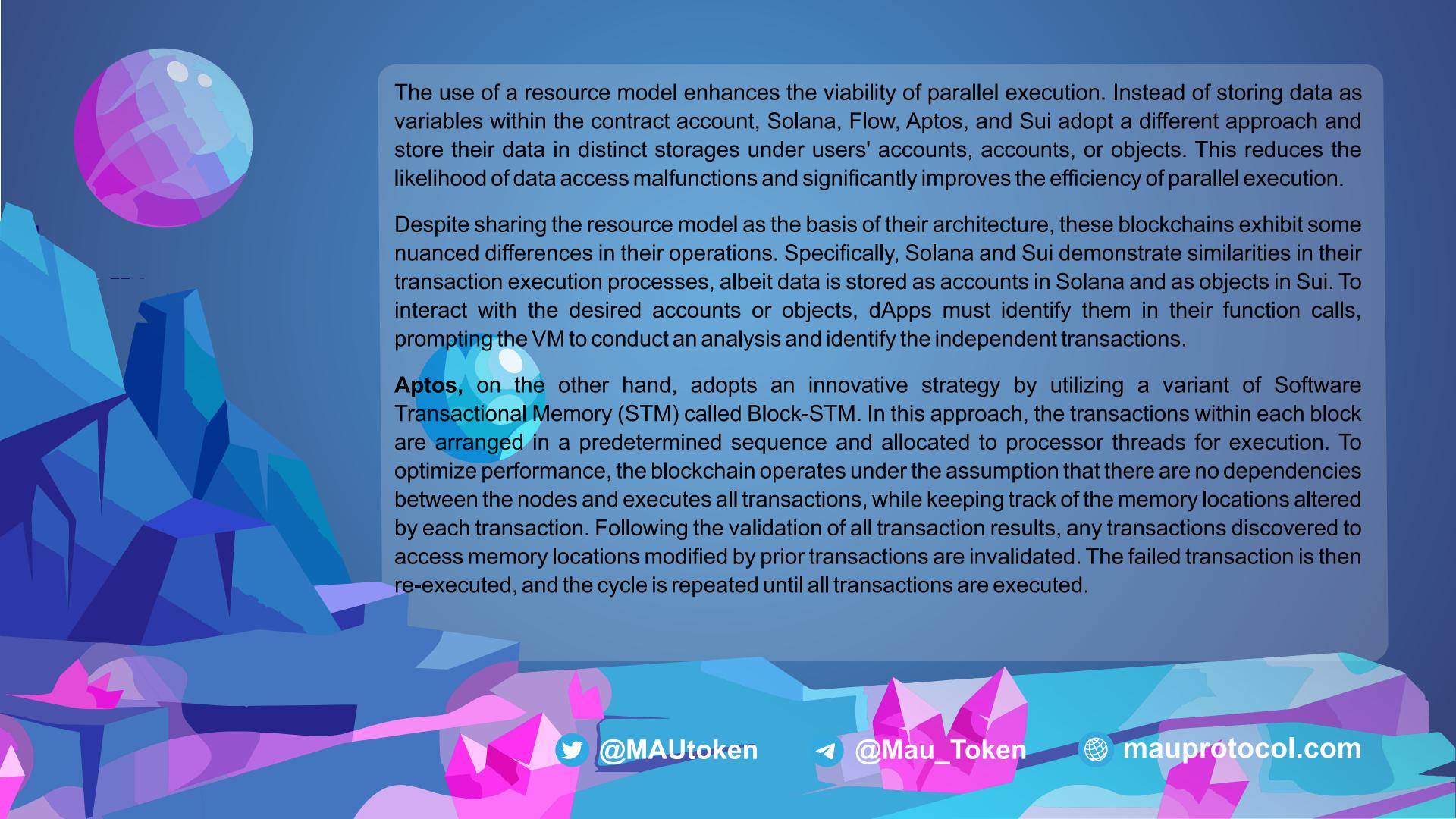
Parallel computation can also be accomplished through parallel execution, which involves running independent transactions simultaneously. Transactions are considered independent if they do not read from or write to the same data. Regardless of the order in which the blockchain executes the transactions, the outcome will remain consistent. It is possible to conduct trades using multiple CPU cores or GPUs securely and concurrently.







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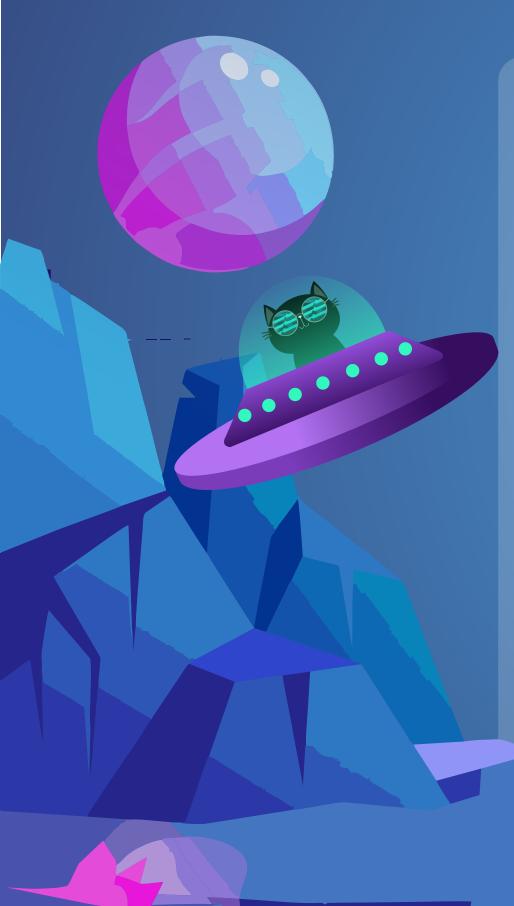
In contrast to Solana and Sui, Aptos offers a more seamless developer experience as there is no requirement to indicate the data to be accessed in a transaction. Aptos reports suggest that Block-STM and other mechanisms can significantly enhance cross-node communications, allowing the network to achieve an impressive 160K TPS.











Move basic's

Move has been specifically designed for blockchain applications and addresses multiple unique challenges faced by programmers building with alternate languages.

Move has been designed with safety and security and that front of mind. The language includes several built-in features that help prevent common errors which can lead to security vulnerabilities, such as. Integer overflow and divide-by-zero errors.

Move also has a formal verification system that allows developers to mathematically prove the correctness of their code.

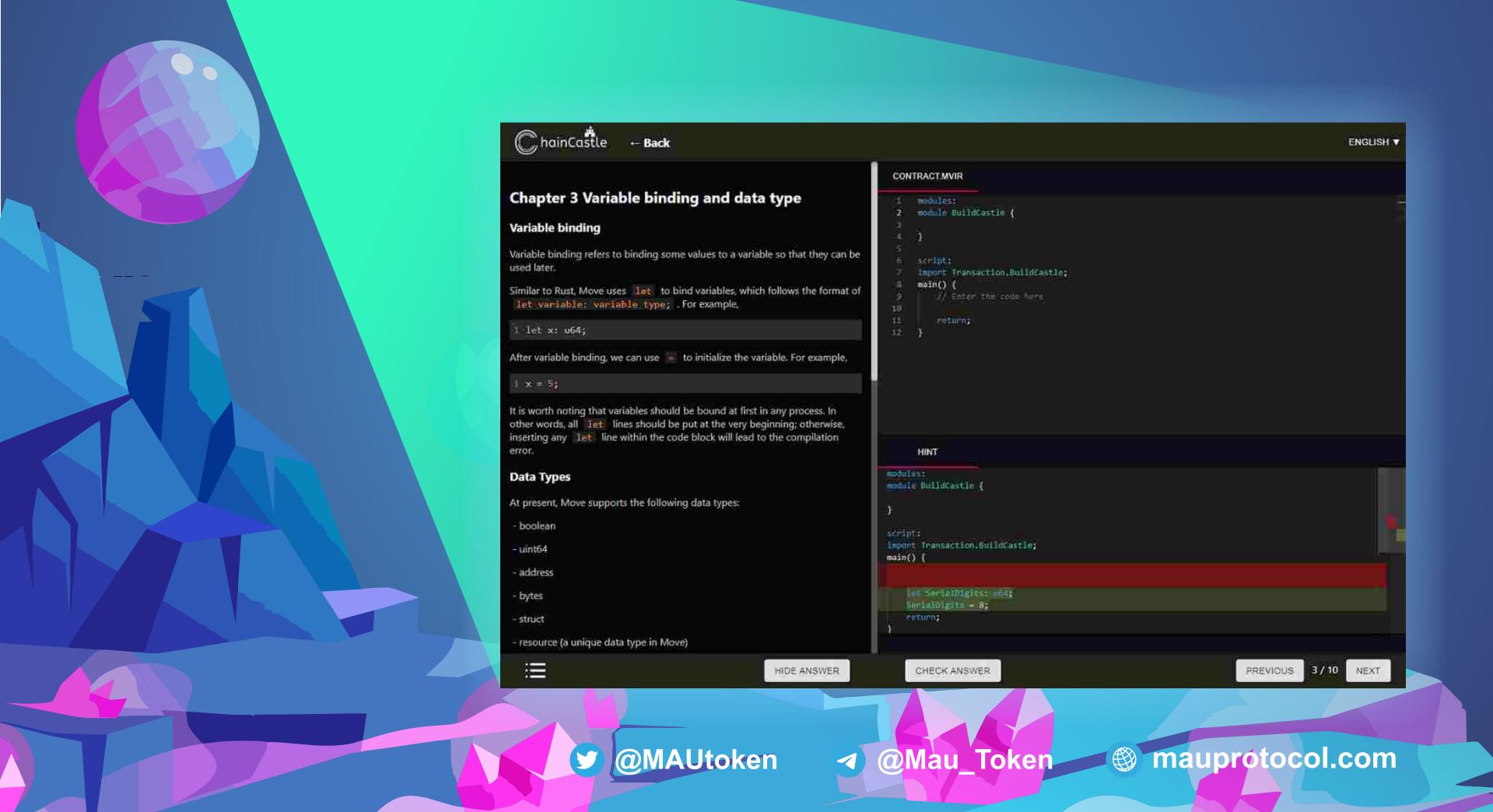
Move has also introduced "resource types". Resource types represent unique assets on the blockchain which allow developers to define the properties and behaviours of these assets in a way that is secure and consistent across the blockchain.

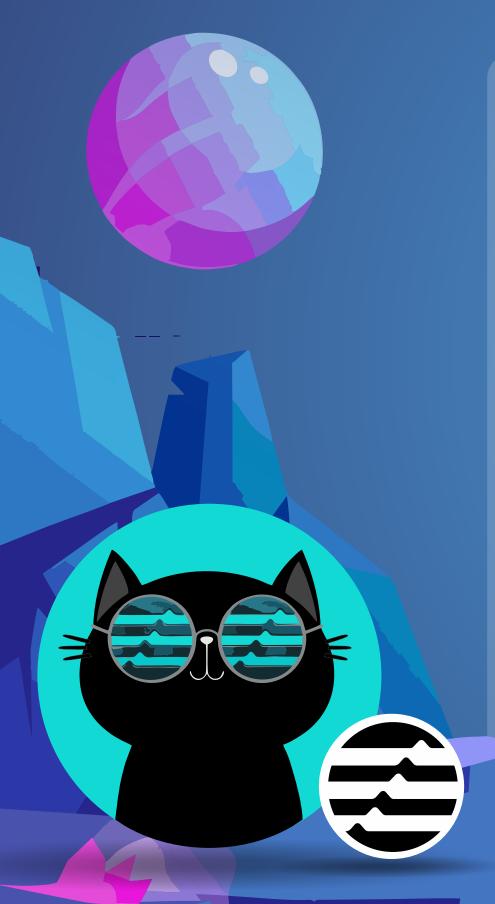
Move is also designed to be a flexible and extensible language! It includes a modular architecture that allows developers to build and reuse libraries of code. Alongside this there is a bult in package manager for controlling dependencies.

Overall, **Move** has been designed to deliver a safe, scalable, and secure language to build applications on the blockchain whilst reducing vulnerabilities.









The Role of MAU

Historically, Layer-1 chains have greatly benefited from a flagship meme. The role of this is to encourage adoption, spread awareness of the chain through a light-hearted, fun, and accessible medium to communities. Binance smart chain enjoyed Doge, whilst Ethereum had Shiba. Considering Aptos's great technological advancements, we saw the perfect opportunity to challenge status quo and stand out! That's why MAU is here. MAU is the friendly feline built to fuel Aptos adoption and foster a culture of creativity.

Come and join the MAU community and enjoy collaborating with other members passionate about Aptos and Web3.

https://t.me/MAUtoken

Remember, Aptos is "The People"





