Understanding YEM (Your Everyday Money) and YEMCHAIN V2

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1. Hyperledger Besu: A simple and efficient enterprise blockchain

Hyperledger Besu is a blockchain designed for businesses, perfect for those starting out or who are not blockchain technology experts.

🔷What is Hyperledger Besu?

Hyperledger Besu is software that allows creating and managing private or public blockchains. It is mainly used by companies to manage smart contracts or secure transaction tracking.

⚙️Why use Besu?

- **Easy to use:** written in Java, a common language.
- **Ethereum compatible:** works with existing Ethereum tools.
- **Private or public:** ability to configure a private network to keep data confidential.

🔧 How does it work?

- **Nodes:** each node keeps a copy of the blockchain.
- **Consensus:** uses "Proof of Authority" (PoA), faster and more energy efficient than "Proof of Work".
- **Smart Contracts:** executes automated programs based on specific conditions.

💼 Use cases

- Banks to secure financial transactions.
- Supply chains to track production and delivery.
- Governments for voting systems or secured public registers.

In summary: Hyperledger Besu is an enterprise version of Ethereum, simpler, faster, and adaptable to company needs.
The **YEM FOUNDATION** chose this technology to build the new **YEMCHAIN V2**.

2. Hyperledger Besu and ERC20 smart contracts

❓What is an ERC20 smart contract?

An *ERC20* is a technical standard on Ethereum to create tokens representing cryptocurrencies, loyalty points, shares, etc.

- **Basic functionalities:**
  - Transfer tokens (`transfer`).
  - Check account balance (`balanceOf`).
  - Authorize a third party to spend your tokens (`approve` + `transferFrom`).

⚙️Hyperledger Besu and ERC20

Besu is Ethereum-compatible, so it can run ERC20 contracts but in a different environment:

- **Ethereum (public):** open network accessible to all (e.g., USDT, UNI).
- **Besu (private/permissioned):** closed network reserved for authorized companies or organizations.

✅Advantages with Besu:

- Cheaper: no high gas fees.
- Faster thanks to Proof of Authority.
- Confidentiality ensured, transactions only visible to authorized participants.

🔗Interacting with contracts

You can send transactions via the API.

🏢Enterprise use cases

- Internal tokens for employee rewards.
- Customer loyalty points.
- Representation of digital assets (e.g., gold, real estate).

Summary:

ERC20 = standard to create fungible tokens.

Besu = efficient deployment of ERC20 on a fast, secure, economical private network.

Key difference: cost savings, confidentiality, and total control.

YEM on YEMCHAIN V2 is an ERC20 token – its specific status is explained in the following publication.

3. YEM and YEMCHAIN V2: UA Dido's analysis

💡What is YEM?

YEM (Your Everyday Money) is a digital currency designed to be a **benchmark coin** in the digital economy.

Main objectives:

- **Stability and trust:** act as a reliable value (similar to gold or the dollar).
- **Daily use:** designed for purchases, transfers, unlike purely speculative cryptos (like Bitcoin).

🔗YEMCHAIN V2: The blockchain behind YEM

This version is based on Hyperledger Besu, an enterprise technology for private/permissioned blockchains.

- Fast and economical, no need for costly mining.
- Secure and private, network reserved for authorized users.
- Ethereum compatible, so YEM is based on an ERC20 token.

The YEM Foundation will decide the future use of this compatibility. 😊

🔷YEM is an ERC20 token: what it means

- Transferable: you can send and receive YEM like money.
- Interoperable: compatible with approved apps (wallets, smart contracts).
- Transparent: transactions are verifiable on the blockchain.

🚀Why YEM is unique?

- Stable benchmark currency, not just a speculative asset.
- Enterprise technology via an improved Besu implementation — faster and adapted to practical use.
- Real utility: money for daily transactions.

💼Examples of use

- Payments for goods and services.
- International transfers without high bank fees.
- Alternative store of value to traditional currencies.

   In summary:

   YEM is a stable and useful digital currency designed to be a benchmark.

   YEMCHAIN V2 is the private, fast, secure, and economical blockchain that supports it.

   ERC20 enables compatibility and ease of use with the Ethereum ecosystem.

NB: The YEM Foundation is preparing three major platforms:

- **YEMCHAIN** (connection with SAFEZONE)

- **YEMSCAN** (blockchain explorer similar to Etherscan)

- **YEMPAY** (wallet and payment solution)

Want to know how to buy, store, or use YEM? Don't hesitate to let me know! 😊😄

UA Dido, proud YEM holder

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