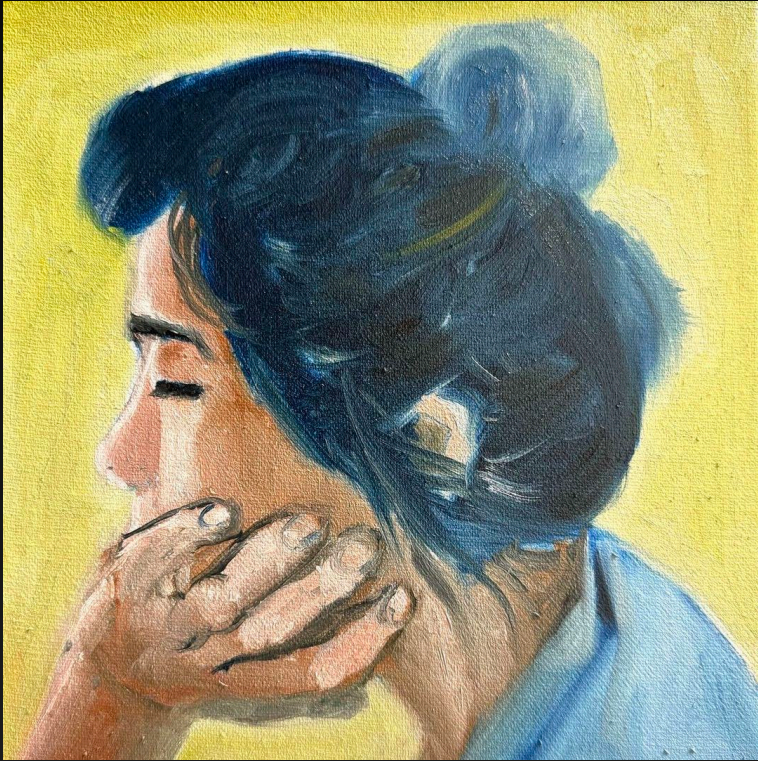


EIPs and ERCs Explanation

About me



pseudoyu (x.com/pseudo_yu)

Blockchain developer | github.com/pseudoyu

- Tech writer/content creator | pseudoyu.com

- Core dev at [RSS3](#) & [Crossbell](#)

- Solidity courses/tutorials contributor of [OpenBuild](#)

What's EIP

EIP (Ethereum Improvement Proposal) is a process that allows members of the Ethereum community, including developers, researchers, and users, to propose **improvements or changes** to the Ethereum protocol.

What's EIP

EIPs are formal proposals that describe the rationale behind the **proposed change, the **technical specifications**, and the **potential impact** of the change on the Ethereum ecosystem.**

EIP Topics

1. **Changes** to the Ethereum Virtual Machine (EVM)
2. Ethereum client software **improvements**
3. Ethereum consensus algorithm **updates**

EIP Types

- 1. Standard tracks** (All requests touching in the protocol itself, 95% percent of EIP belongs to this category.)
- 2. Meta** (All requests around the Ethereum protocol.)
- 3. Informational** (Don't invoke any changes to the code/implementation, to be simple, it provides just "general guidelines" and good practices.)

EIP Stages

- 0. IDEA**, the Ethereum improvement proposal is still an idea (it's not tracked in the Ethereum database.)
- 1. DRAFT**, tracked EIP in the Ethereum data base but not ready for review.
- 2. REVIEW**, the EIP is ready for peer review.
- 3. LAST CALL**, Final review of the EIP before changing it's status to "review" or to "final" (there is usually a deadline of 14 days).
- 4. FINAL**, The EIP is accepted as a new standard.

What's ERC

ERC (Ethereum Request for Comment) is a protocol for proposing and standardizing **new token and smart contract standards** on the Ethereum blockchain.

What's ERC

ERCs define the rules and specifications for creating new tokens or smart contracts that can be used on the Ethereum blockchain.

ERC Topics

Token's

1. Name

2. Symbol

3. Decimals

4. Total supply

EIP and ERC Process

1. **Write a proposal** outlining the proposed change, its rationale, and the technical specifications
2. **Submit** it to the Ethereum GitHub repository as a pull request
3. Will go through a **review process** by the Ethereum community
4. Will be **assigned an EIP number** and added to the list of EIPs

Differences Between ERC and EIP

Basis	ERC	EIP
Full form	Ethereum Request for Comment	Ethereum Improvement Proposal
Focus	Token and smart contract standards	Protocol improvements and changes
Examples	ERC-20 (fungible tokens), ERC-721 (<u>NFTs</u>)	EIP-1559 (transaction fee model), EIP-155 (hard fork)
Proposed by	Developers and community members	Developers and community members
Purpose	Standardization of token and contract design	Improvement and evolution of the Ethereum protocol
Decision	Adopted by individual developers and projects	Implemented in a future version of the Ethereum protocol

References

Ethereum Improvement Proposal

<https://eips.ethereum.org/>

Ethereum Request for Comment

<https://eips.ethereum.org/erc>

What are EIP and ERC?

<https://shardeum.org/blog/eip-and-erc/>

Demo code repository

<https://github.com/pseudoyu/erc-demo-contracts>

Thank you!

```
emit Log(msg.sender, "Thank You");
```