How to stay up to date with Web3 technologies
Challenges

➔ Missed the innovations that happened in other ecosystems
➔ What is the current state of tech
➔ Missed the momentum of a tech revolution
The Solution

WEB3
TECH
RADAR
Select ecosystem

Please choose one of the ecosystems to explore its technologies and details.
About ecosystem

In just a few years, since 2017, the Polygon ecosystem became one of the most popular L2 Ethereum scaling solutions. The reasons for this quick expansion and adoption are mainly low transaction fees and a wide variety of blockchain scaling solutions, from the main PoS L2 network powered by the MATIC token to ZK rollups and private blockchain solutions. Currently, there are more than 37,000 dapps deployed on the Polygon networks.

Our opinion

The Polygon ecosystem represents a stable foundation for developing decentralized solutions with low gas fees and high security derived from Ethereum. The latest scaling solution from Polygon – zkEVM rollup is one of the best competitors in the L2 scaling competition. It provides quick transaction finality while storing small ZK proofs and maintaining compatibility with the EVM. Another good pointer towards a promising future of the Polygon ecosystem is the addition of solutions like the Polygon Supernets and the Polygon Avail that are designed to cover more scaling issues, like network decentralization and data availability. This wider thinking about the L2 and work on solving most of the scalability issues present on L1 and other L2 networks convince us that the Polygon ecosystem is one of the most favorable L2 ecosystems for developing your next decentralized solution.
Solidity

What is it about?
Solidity is the most popular programming language in Web3. It is an object-oriented, high-level, curly-bracket language inspired mainly by C++, Python, and Javascript. It is a programming language that runs on Ethereum Virtual Machine (EVM), allowing programmers to write smart contracts and build decentralized applications. Solidity is statically typed and supports inheritance, libraries, and complex user-defined types, among other features.

Learn more at: https://docs soliditylang.org/en/latest/index.html/

Our opinion
Although Solidity requires a specific type of thinking, it is undoubtedly the most popular programming language for any EVM-based blockchain network. Solidity is easy to learn but quite difficult to master. It requires paying a lot of attention to code security and efficiency; Expect to spend a lot of time thinking about ordering variables and handling complex operations. That being said, Solidity has excellent documentation, and there are a plethora of examples, tutorials, and guides, which immensely help to learn it.

Notable projects
- AirSwap
- BizzSwap

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