



How to stay up to date with Web3 technologies

3327.io

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**













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Select ecosystem

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

<p>EVM-based</p> <p>Ethereum </p> <p>53 items</p>	<p>EVM-based</p> <p>Polygon </p> <p>30 items</p>	<p>non-EVM</p> <p>Cardano </p> <p>14 items</p>	<p>EVM-supported</p> <p>NEAR </p> <p>20 items</p>
<p>EVM-based</p> <p>Harmony </p> <p>19 items</p>	<p>EVM-supported</p> <p>Avalanche </p> <p>43 items</p>	<p>non-EVM</p> <p>Solana </p> <p>18 items</p>	<p>non-EVM</p> <p>Cosmos </p> <p>12 items</p>

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Ethereum

Polygon

Summary

Radar

Avalanche

Cardano

NEAR

Cosmos

Harmony

About radar

Polygon

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.

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GENERAL INFO...

Main languages / SDKs

Solidity, Go, Rust, Vyper, JavaScript

Public / Private

Public

Security mechanism

Proof-of-Stake

ECOSYSTEM SIZE...

Start date

2017-10-30

Native coin

MATIC

Active projects

37,000

Unique addresses

~135,000,000

Estimated no of validators

100

Market cap*

\$7,319,444,104

Coin price

~\$0,81

TRANSACTIONS...

TX format

Wallet

Consensus mechanism

Proof-of-Stake

Basic transfer cost

~\$0.000526

TPS/TTF

~6500 TPS

Basic transfer volatility in the last year

min. \$0.0000175 max. \$0.000526

BUSINESS PLAN...

Upcoming development

Multiple

Grants

[Polygon Funds](#)

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Polygon ecosystem

Radar

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Quadrant

Categories

All blips are shared in one of the following categories, based on their type.

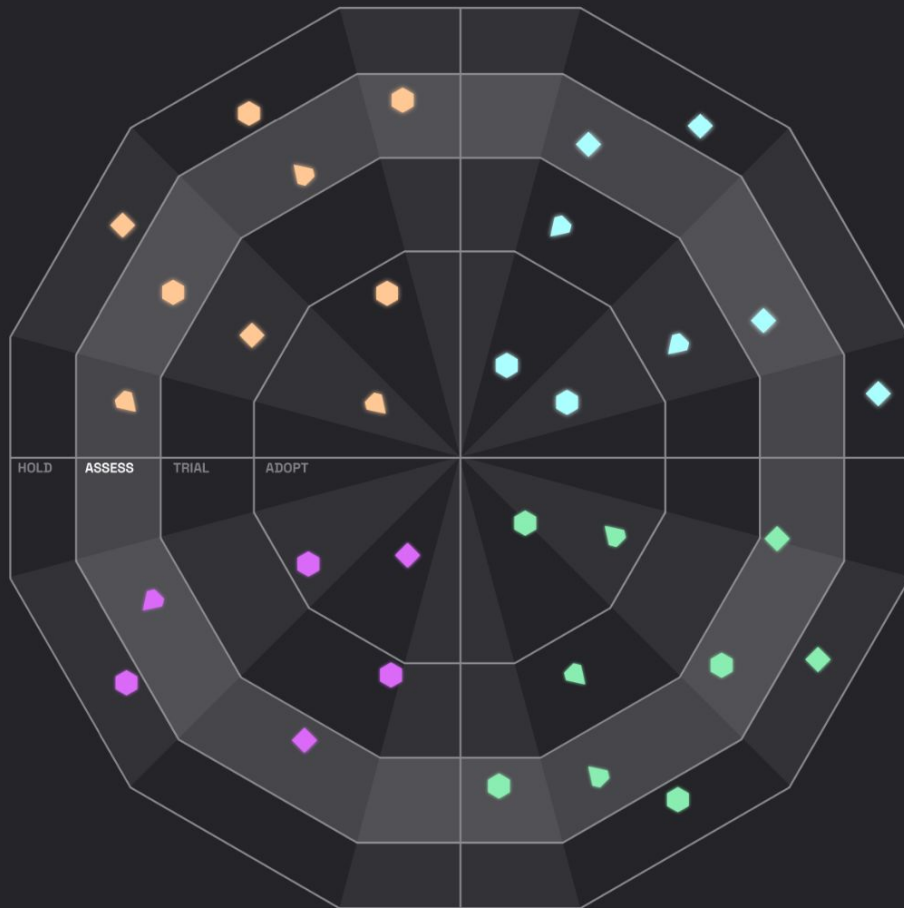
- Platforms
- Tools
- Techniques & Protocols
- Languages & Frameworks

Tech status

Status is defined based on the changes in technology adoption since the previous version of the radar.

- New or highlight
- Moved inside
- Moved outside
- Unchanged

[How to read radar?](#)





Solidity

Languages Adopt stage Unchanged

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/>

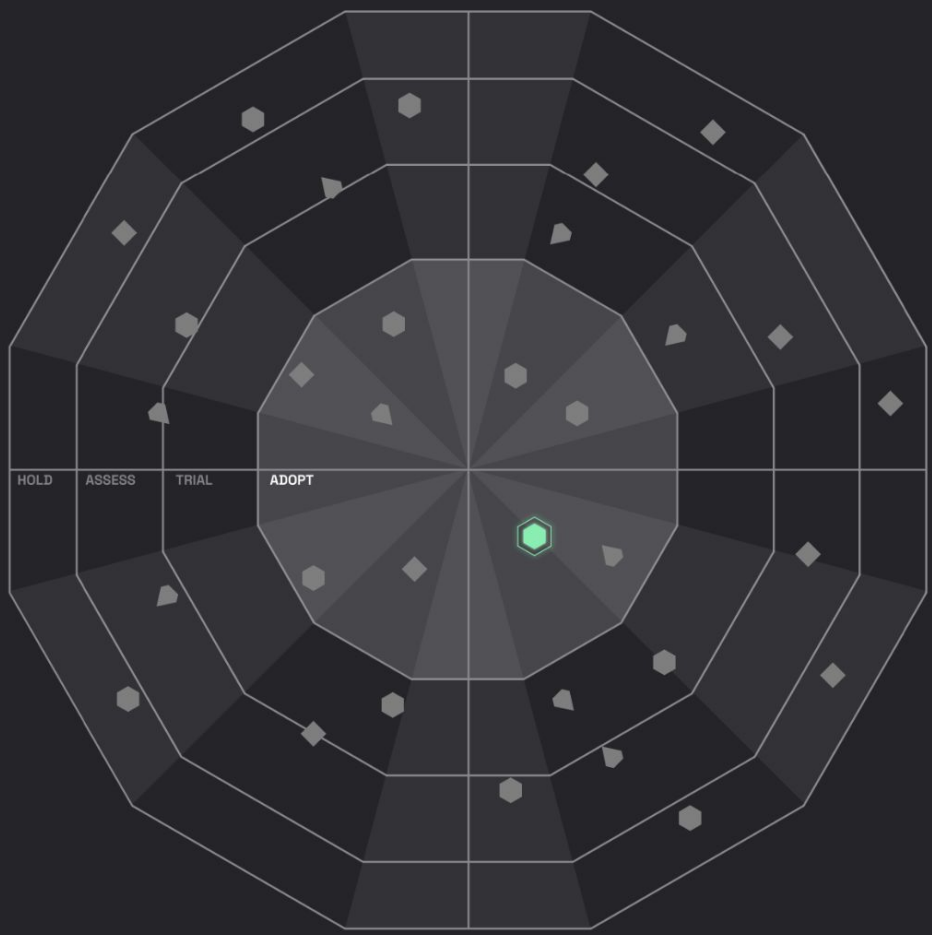
Our opinion

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

- AirBro
- BizzSnap

Add to my list



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