

#### TRUTHSIFT ANALYSIS

## WHICH LAYER 2 SOLUTION IS BEST FOR DAPPS

Analyse which layer 2 solution is best for dApps. We provide a breakup of different layers, whe re each layer can be discussed through its own graph.

# Each layer 2 solution is shown by a graph

- 1. Sidechains 10 nodes
- 2. Optimistic Rollups 9 nodes
- 3. Zero Knowledge Rollups 11 nodes

#### **PARTICIPANTS**

There were 13 participants

### PROBABILITY LIKELIHOOD

Scoring Parameter(s):

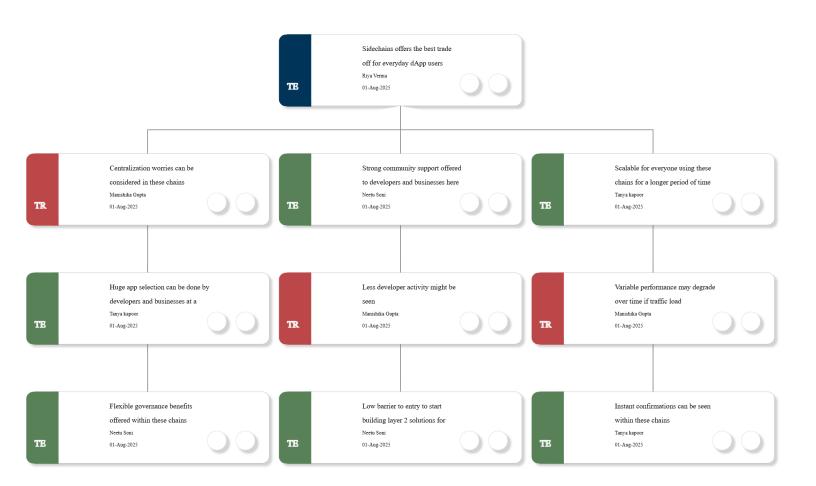
- 1. Cost Efficiency
- 2. User Experience
- 3. Security Confidence

GRAPH	SCORE
1. Sidechains	78%
2. Optimistic Rollups	73%
3. Zero Knowledge Rollups	56%

## **GRAPH SNAPSHOT**

### Sidechains

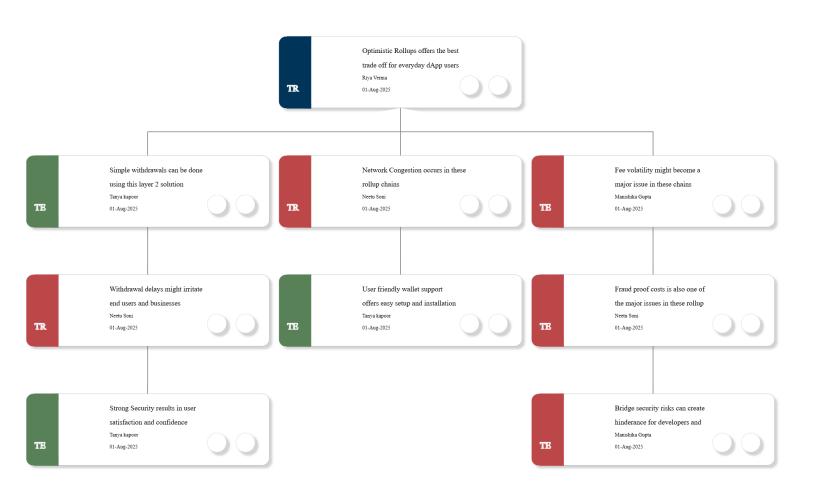
https://app.truthsift.com/spectate/placeholder/487/17



## **GRAPH SNAPSHOT**

## Optimistic Rollups

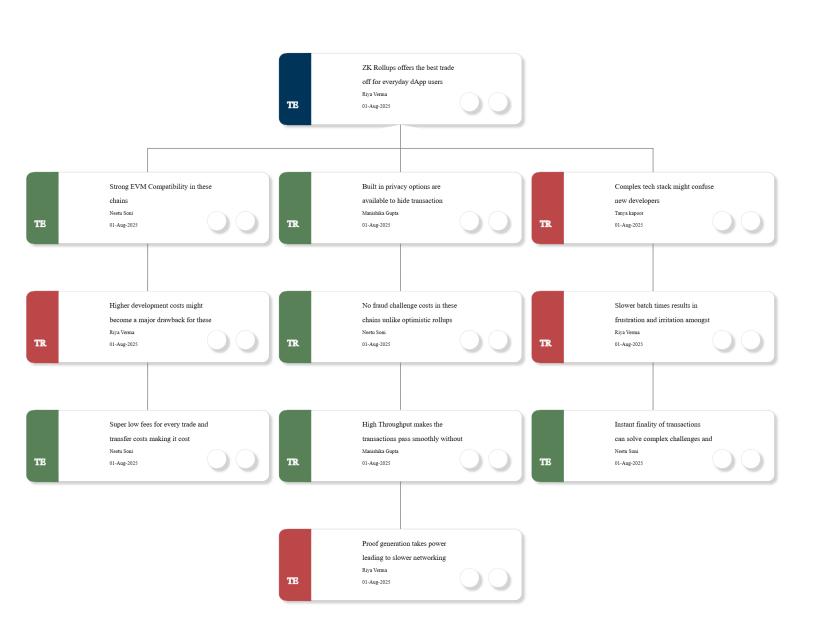
https://app.truthsift.com/spectate/placeholder/485/17



## **GRAPH SNAPSHOT**

Zero Knowledge Rollups

https://app.truthsift.com/spectate/placeholder/486/17



#### **OVERALL VERDICT**

"State Channels - 82% Plasma - 65%

Based on the scores, we can analyze the best layer 2 solution for dApps.

#### 1. Cost Efficiency:

- Sidechains: 78%

- Optimistic Rollups: 73%

- Zero Knowledge Rollups: 56%

- State Channels: 82%

- Plasma: 65%

#### 2. User Experience:

- Sidechains: 78%

- Optimistic Rollups: 73%

- Zero Knowledge Rollups: 56%

- State Channels: 82%

- Plasma: 65%

#### 3. Security Confidence:

- Sidechains: 78%

- Optimistic Rollups: 73%

- Zero Knowledge Rollups: 56%

- State Channels: 82%

- Plasma: 65%

When we analyze the scores across the three parameters, we can see that State Channels consistently score the highest ac ross all three categories, with a score of 82% in Cost Efficiency, User Experience, and Security Confidence. This indica tes that State Channels are the most favorable layer 2 solution for dApps, as they provide a balance of affordability, e ase of use, and security.

Sidechains follow closely behind with a score of 78% in all three categories, making them a strong contender as well. They offer a good balance of cost efficiency and user experience, but they may not provide the same level of security confidence as State Channels.

Optimistic Rollups come next with a score of 73% across the board. While they are a viable option, they do not match the performance of State Channels or Sidechains in terms of cost efficiency, user experience, and security confidence.

Plasma and Zero Knowledge Rollups score the lowest in all three categories, with Plasma at 65% and Zero Knowledge Rollups at 56%. These solutions may not be the best choice for dApps, as they do not provide the same level of cost efficiency, user experience, or security confidence as the other",