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Privacy-Preserving Groups

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Privacy-Preserving Groups

Privacy-Preserving Groups are groups where the **identity** of the members remains **private**.

Use Cases

- Anonymous interactions: Anonymous feedback, voting, etc.
- Prove that you own a credential.

Anti-Sybil mechanisms

Anti-Sybil mechanisms are methods used to **prevent fake** or **duplicate identities** from joining a **group**.

- Combining different anti-sybil mechanisms (using logical operators) to have a stronger one.

Examples of Anti-Sybil mechanisms

- Invite codes
- Social Media info: GitHub (followers, personal stars, repository commits), Twitter (followers, following user)
- Blockchain information: account balance, number of transactions, etc.
- Identity protocols: Anon Aadhaar, OpenPassport
- EAS
- ZK Email
- TLSNotary
- Poap

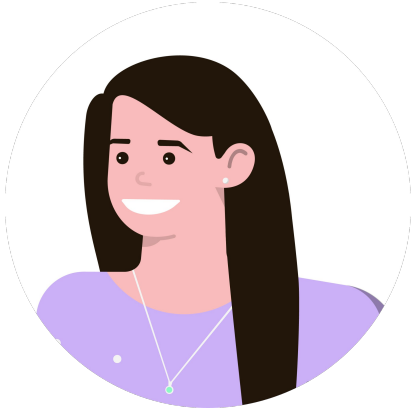
Projects working on Privacy-Preserving Groups and Anti-Sybil mechanisms

- Semaphore
- Zupass
- Bandada
- ZK-Kit

Takeaways

- Privacy preserving groups can also be used to verify credentials.
- Combining multiple anti-sybil mechanisms can help build a stronger one.
- Some projects used as anti-sybil mechanisms weren't created for that purpose, but still work well for it.

Connect



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