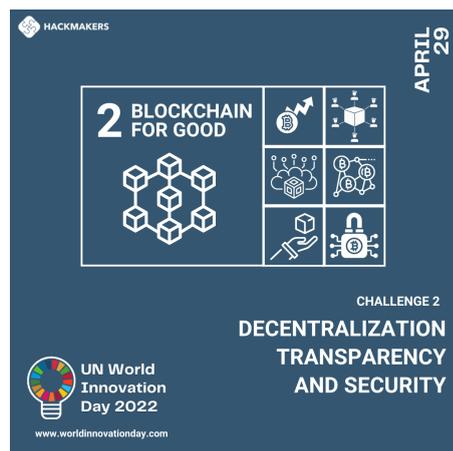


Challenge 2: Blockchain for Good

“Decentralization, Transparency and Security”

This challenge is proudly sponsored by Polygon Technology & IPFS / Filecoin.



1. Challenge Statement

In this challenge, pick [any of the UN Sustainable Development Goals](#) and create:

A decentralized Blockchain Application which leverages the three main use cases - Decentralization, Transparency and Security in line with one or more of your nominated goals.

In your solution, please provide the code repository and a brief outline that explains the problem that you are solving, and its application.

2. Background Narrative

Blockchain with its tamper-proof nature and reliable tracking features can help solve many of the global challenges faced today. Additionally, with Polygon and IPFS's suite of scalability solutions, these applications can now be used even on a wider scale of audience (potentially entire countries).

Blockchain can help humanitarian efforts in many different use cases, by offering a single source of truth, with immutable, tamper-proof records.

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3. Where to start?

Blockchain solutions can be implemented in a plethora of public systems like medical records, national identities and tracking public funded projects without the risk of compromising private data.

It can also help in reducing paperwork and solve the big problem of supply chain tracking and management.

Existing examples of blockchain use include:
Tracking sustainable harvesting of coffee beans,
turning plastic waste into currency, ensuring the

Bonus points

You can gain two (2) bonus points by using **any component of the Polygon Technology suite** as part of your solution submission in this challenge (#2).

You can gain one (1) bonus points by **Oracle APEX** or any component of the **IPFS / Filecoin technology suite** as part of your solution submission in this challenge (#2)

Submissions are scored out of 35 points as listed in our judges guide, linked below.

Please see the developer resources and support, see the links below and contact any mentors in the #polygon-support and #ipfs-filecoin-support channel in our discord.

ethical mining of minerals, and micro-financing small communities and families

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4. About the Lead Sponsor: Polygon Technology

[Polygon](#) is the leading platform for Ethereum scaling and infrastructure development. Its growing suite of products offers developers easy access to all major scaling and infrastructure solutions: L2 solutions (ZK Rollups and Optimistic Rollups), sidechains, hybrid solutions, stand-alone and enterprise chains, data availability solutions, and more. Polygon's scaling solutions have seen widespread adoption with 3000+ applications hosted, 1B+ total transactions processed, ~100M+ unique user addresses, and \$5B+ in assets secured.

[Website](#) | [Twitter](#) | [Reddit](#) | [Telegram](#) | [Discord](#)

Resources:

- Polygon Website - <https://polygon.technology>
- Polygon Developer Documentation - <https://docs.polygon.technology/docs/develop/getting-started>
- Polygon Developer Library - <https://polygontechonology.notion.site/Polygon-Developer-Library-36e70eac8c1f4f11a9d2fad9da8e0749>
- Polygon Testnet Faucet - <https://faucet.polygon.technology>

5. About the Sponsor: IPFS / Filecoin

[IPFS](#) is a peer-to-peer network and protocol designed to make the web faster, safer, and more open. IPFS upgrades the web to work peer to peer, addressing data by what it is instead of where it's located on the network, or who is hosting it.

[Filecoin](#), the world's largest decentralized network offering more than 16+ Exbibytes of storage. It allows users to store, request, and transfer data via a verifiable marketplace. Filecoin is completely open-source, enabling people from all over the world to participate.

[Website](#) | [Twitter](#) | [Discord](#) | [Office hours](#)

Resources:

- Getting started with IPFS and Filecoin - https://bitly.protocol.ai/IPFS_Filecoin_Get_Started
- Join group or 1:1 office hours - <https://hackathons.filecoin.io/#start-building>

6. Support on Discord

For direct support from our sponsors, please visit the following channels in our [discord server](#):

- #rules-and-guidelines: List of links to resources, team requests and submission links
- #blockchain-for-good: Challenge details for this challenge
- #polygon-support: Support from Polygon affiliated mentors: Uttam#3115, Sandipan#1692

- #ipfs-filecoin-support: Support from IPFS affiliated mentors: AlisonWonderland#2629, Niki | Protocol Labs#3531, Piyush | IPFS Filecoin Ecosystem#6474
- Judging guide (criteria set out of 35 points): <https://bit.ly/37WJWfk>

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