Vision

To promote and share the most effective methods and models for cooperation through crowd sourced solutions on an open platform.

Strategy/Goal

Design bounty box platform that matches investor designated initiatives with local talents completing bounties based on mutually agreed upon conditions.

Bounty box situation overview

A shared platform where people can post requests for tasks with incentives. On a larger scale, the idea is to crowd source operation execution and Objective/Expert system design on an open platform, rewarding participants as set by the sponsor/investor.

In addition to being rewarded for completing the clearly defined objective, a participant might also be further rewarded by an overlapping higher level initiative which sponsored that specific bounty.

Therefore if a bounty is particularly well designed, as demonstrated by a large amount of positive metadata, it can be copied or further endorsed by other parties with similar needs or requirements.

The originator of a good bounty/proof of compliance will be rewarded and develop a reputation for demonstrated excellence, leading to additional engagements by parties interested in their particular skill set.

  Their effective skill set, whether operational, analytical or design oriented, is bound to their "avatars" to enable "proof of proficiency/expertise" for future reference natively, or by other platforms.

The concept of the bounty box, or crowdsourced execution is not new. It has been in practice by the engineering community in "bug hunts", by anonymous contractors such as "secret shoppers", or content contributors/editors/researchers such as in writing and editing of Wikipedia articles.

Problem with existing system

When contractors perform well, their accumulated experience and quality of work is not easily recorded or referenced, preventing the contractor from leveraging their personal profile in an efficient manner. At the same time, handlers who are very good at setting highly effective, clear objectives to follow, can't/won't easily share their "best practices" without writing a book or giving a training.

Outsourcers/handlers need results over time or a 3rd party endorsement for trust or guarantees of quality necessary when engaging contractors. This creates a barrier which tends to favor the incumbent or centralized authority, making it hard for new entrants.

The trustless bounty box platform addresses this by replacing the centralized 3<sup>rd</sup> party with a trustless, transparent platform which immutably documents past performance data for further analysis.

Bounty definition

A "bounty" can have a variety of definitions. It can be as simple as a single defined binary operation, or an "investment bounty" with a loosely defined direction which seeks to encourage the initiation of lower level "child bounties". The main purpose of this feature is to enable contribution towards a larger goal without limiting the specific operations to meet that goal across different locales.

Green practices example:

For example an organization promoting sustainability practices decides to focus on sustainable farming and sponsors a higher level "green practices" bounty, which awards any supplier that can prove compliance through awarding of one or more related programs such as "certified organic", "gluten free", or "fair labor practice" certifications.

A compliance organization might also set a bounty for adoption of their own "fair labor practice" trademark called "FLP farming" to farms that can prove their compliance. If a local farm, or community is awarded the "FLP Farming" trademark, it could be awarded by both the "green practices" bounty as well as the "fair labor practice" bounty automatically (given the bounty was "sponsored" by the higher level initiative).

The recorded history and results analysis can further be used to assign credit or "ability" index towards an individual, operational method, or inference engine. The metadata generated from the operations can be applied to the "digital identity", or avatar, of the component to gauge and it's effectiveness given a certain precondition set.

Proof of Compliance/Completion

A major component to bounties are their compliance or completion conditions. Since bounties are varied and diverse, there exists the need to have effective "proof of compliance" turnkey methods that can be applied to a variety of bounties.

Due to the complex nature and expertise required to create an effective "proof of compliance", successful models must be analyzed and promoted for others to leverage. Over time, effective bounties can be paired with effective "proofs of compliance" to evolve into industry standards and practices organically.


**Platform "EFFECTIVENESS INDEX"**

A key tenant of the platform is to quickly identify and suggest effective solutions that are appropriate to the users needs. Once the platform has enough data to identify the purpose and requirements, it can search to see if there already exists a proven solution. There can be different sets of metrics to differentiate between effective solutions, bounties, proof of compliance designs, and even the "effectiveness index" model itself.

Strong performance in these areas indicate:

**Who does good solution submissions?** –Who can consistently meet completion conditions for bounties after engaging them in a timely manner.

**Who does good votes?** –opposing views in overwhelmingly one sided "voting" highlights potential "bad actors" and pushes them to defend their decision or be labeled a "bad voter" who might vote against to negatively affect someone else's score. However if they are effective in defending their position against an overwhelming opposing view, their opposing view and reasonining should be highlighted and emphasized. "I found this review helpful" or a similar feature could be an useful tool as well for assessment.

**Who does good completion conditions?** –ideally conditions should be distilled down to be as simple and easy to follow as possible, while still effectively accomplishing the task. This can be very difficult, and those who are proficient are highly sought after. They can be recognized by a high completion percentage of their conditions, with highly one-sided, near-binary voting results suggesting clear group consensus agreement on an outcome. If the completion conditions are poorly written, the voting group might be confused and disagree about the intended effect leading to split or non binary voting outcomes.

**Who does good proof of completions?** –Also similar is the "proof of completion" to prevent fraudulent submissions to "game the system". One can claim that well written conditions are very difficult to fake, but that may not always be the case. A set of conditions might be very simple and easy to execute, but might also be easy to fake. The quality of the system is directly related to it's ability to prevent and detect fraud or bad actors looking to "game the system"

**Who does good sponsorships (midlevel)?** –"Mid level sponsors" can invest in their own bounties or leverage the bounties of others by directly investment or "copied bounty" with slight modifications. If a sponsor is shown to have a good track record of investing in highly effective bounties, their investments can be considered to help the most people.

Sample index for bounties: (engagements last week/Lifetime of contract) + (average payout x average awarding %) + [Bonus tags + donations] + proof of completion effectiveness index

Sample index for "Proofs of completion"

TBD

Sample index for Solutions

TBD

**Future AI integration**

The combination of vertical objective layers can be referenced by AI to perform suitability/compatibility assessments. If a bounty set is fully or partially compatible with the given Expert System requirements, the AI can choose to sponsor or endorse those bounties of

interest, allowing multiple trustless parties to leverage a single bounty to fulfill the goals of multiple parties.

Ex: Bug bounty lists as an "open operation"

Bugcrowd/hackerone/vulnerability lab/fireone

An open platform with data analysis promotes the most effective set of bounties to address a given requirement. The mechanics of bug bounties in the other industries or task models/ Expert models can be leveraged with minimal adjustment. This can help Experts to quickly identify effective, proven solutions for their own use..

Example of non bug related bounty list (for article submissions): https://en.wikipedia.org/wiki/Wikipedia:Bounty_board/Expired_and_claimed_bounties


Applications for crowd sourced solutions or bounties:

- Media content creation (commissioned designs, IP protection by immutable ledger)

- Analysis and assessments by 3rd parties (bug hunt)

- Low risk simple labors

- Testing/verification/counter signatories or notaries

- Financial investments, National policy, donation programs

WHY SHOULD BUG BOUNTY LIST NEED BLOCKCHAIN? – to pay/compensate/incentivize the operators to complete a task or objective engineers to design robust proof of compliance conditions. Also to allow contractors to provide trusted details about their own work history.

The bounty box platform ideally should support multiple compensation methods natively, or whatever best serves the community. Compensation, incentives and bonuses should be proactively awarded to drive adoption.

Users will be drawn to the platform that awards the most "bonus" or "secondary" compensations as a result of overlapping

Possible coop partner:

https://www.bugcrowd.com/bug-bounty-list/

comments: The UI and engagement model is exactly as they are, however they are just a high level curated consolidation platform (curation can be manual or AI/crawler driven, where adding entries can be a bounty in itself) and do not set objectives.

Layered bounty box/objective set example



**Alternative "collaboration box" structure using Y dimension as "predetermined roles" with given set of rules and operational duties**

X-Y bounty box example: CorpSocialResponsiblity matrix001

|  | Social functions | Environment protection |
| --- | --- | --- |
| Action/Executor | Deliver 10 dinners to 123 front street shelter before 4:00pm | Clean Pikes Beach before nov 26 |
| Support | Collect signed feedback forms and email to xxx.@pfsuite.com | Verify Pikes beach clean up after |

Data square – SPECIFIC, ACTIONABLE and TIME BOUND

X-dimension: areas of focus to direct efforts of the community, given the Title scope (3rd dimension) requirements

Y-dimension: Roles, and their associated "completion condition template" fill as needed

Title scope: General indication or "tag" of direction of objectives. Objectives should align under the title grouping, given the X/Y dimension markings.

**Goal of the bounty box is to standardize the initiation, execution, verification and payout of given objectives.**

Bounty box vs bug hunt challenge: Box is very specific and goal oriented vs. an open call for generic testing and validation of an open bug hunt. Also Bug hunt does not have a focused goal to develop a solution. A bug hunt can be considered a mid layer objective of the bounty box.

Characteristics of bounties box operational model:

- Bounty issuer

- Escrow/listing platform

- Executor/operator

- Verification protocol/counter-party signature

- Payout enforcement/delivery

- Post operation follow up?

This is the most basic fundamental process for completing an assigned objective. To raise the value of such a process, other infrastructures such as a digital IDs with a credit rating or badge system to highlight ones unique "proven work" history can be added. This will help to identify "bounties of value" and help tie value and identity to "Avatars" by highlighting their strengths, weaknesses and overall behavior patterns. The culmination of can be referenced later on by any entity looking for suitable operators to undertake a task or bounty.

**Storage of Avatar, compliance, operations or media files**

Development and maintenance of an avatar or bounty set within the platform framework is the sole responsibility of the key holder. Therefore, they are responsible for supply the infrastructure needed to store and maintain their own files used to satisfy various conditions. Several distributed file systems are in development and can be very cost effective potential solutions.

Example of 3 finger Wednesday bounty

Step by Step flow: 3 finger Wednesday

1. Sponsor uses app to create repeating "3 finger Wednesday bounty"

    a. Description: Help support 17+1 initiatives by participating in 3 finger Wednesday

    b. Submission for confirmation: Timestamp/GPS/MAC tagged picture submission

        i.   Submission must include "3 finger pose" with newspaper of the day to match timestamp

    c.   Proof of completion: Community sourced review (binary output…did they do? Yes or no? can also donate)

    d.   Payout: 1 SDG token to submitter after 10 confirmations

        i.   There is no "wrong" or "right" review. However all reviews are visible to the public.

2. Participant uses app to browse bounties, and chooses the "3 finger Wednesday" bounty

3. Bounty initiates and prompts user for "picture submission" from a qualified device (timestamp/GPS/MAC access), adding comments/incentives optional.

4. Participant submits picture with "3 finger Wednesday" compliant pose

5. Submission is processed and posted on the app under "bounties open for review"

6. Qualified user opens app to browse "bounties open for review" and chooses the "3 finger Wednesday" submissions, and clicks [YES] or [NO]

7. If [YES] submitter is rewarded with payout as determined by bounty creator (1SDG after 10 confirmations) Otherwise negative feedback is recorded and tied to respective user accounts

3 Finger Wednesday bounty is saved on the blockchain and can be redeployed or "copied" for others to use. The originator will get "royalties" on any donations to the copied bounty. (including derivations?)


Example Bounty descriptor page with "Submissions for review" list

    Related bounty title/symbol, Completion terms,

    After assessment submission: user comments, previous submissions

3 "Finger Wednesday" [3FW]
Bounty: 1 SDG / 10 confirmations
Created by: Dalong

Views: 219,132
Total submissions: 1000
Last week: 120
Past 24HR: 12

Total payouts: 950 SDG

Payout pool remaining: 655 SDG
Remaining chances: 655

Payout %: 95%
Donations: 22 SDG
Forks: 5
[link to forked copies]

Bounty description
page (after clicking on
a bounty)

Click "claim this bounty" to submit
"proof of completion" picture for
approval

3 finger Wednesday
logo/pic

Description:

Promote awareness of 17+1 goals by
submitting picture

Completion conditions:
• Any location
• Wednesday ONLY
• "3 finger pose" with a friend

Payout details: 1 SDG is paid for every 10
unique upvotes

Remaining Payout chances: 655

**Bonus tags:**
Marketing/promotion[17+1]          56 SDG
Network building[friendfinder]      24 SDG

CLAIM THIS BOUNTY!

Previous submission
(good)

Submitted by: Julian
Date submitted: 2017/11/08 @ 08:33 GMT
Location: Shanghai china
Views: 545
Upvotes: 490
Downvotes 10

Total Payout: 49 SDG
Comments: 5
Donations: 12 SDG

Previous submission
(bad, wrong day)

Submitted by: Eric
Date submitted: 2017/06/13 @ 18:23 GMT
Location: Paris, France
Views: 129
Upvotes: 10
Downvotes: 590

Total Payout: 1 SDG
Comments: 52
Donations: 0 SDG

Bonus Tags:

Sponsors or investors may also set higher level bounties to encourage development and collaboration without dictating the course of action. This allows the operator flexibility to perform in a way they are most comfortable with to deliver the best results while still achieving their goals.