



Title: 21-based K8s Community Microtasks

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Purpose: Outline high-level objectives and serve as basis for obtaining feedback from K8s community for refinement, consensus and hopefully implementation.

Status: Draft.

Motivation:

Kubernetes (K8s) is one of the largest and most active [OSS](#) projects on the Internet. Just shy of 3 years old, it has birthed many unique, highly complex contribution dynamics involving thousands of participants, users, committers, vendors, forks, and more.

As the upstream core of the project becomes a fundamental part (many are calling it a distributed systems kernel) of how modern applications and services are built, it is imperative that the project stabilize its primitives and abstractions while continuing the relentless pace of innovation.

Increasingly, *simplifying and streamlining* high velocity yet significantly challenging at-scale contributions to the K8s project for the purpose of improving the state of testing, documentation, bootstrapping tutorials, workable configuration examples, issue tracking and labeling management, triaging, QA, integration of CI/CD suites and much much more has been one of the biggest dilemmas facing the project in recent months/quarters as total contributors to the project has far exceeded 1,200+ people. K8s runs on many cloud/infra environments, is deployed in a very wide range of configurations, is run at scale as a platform for large microservices deployments and more.

We propose an initiative to help solve this problem by incentivizing community members to get involved in K8s as contributors to improving the overall state of the code base, user experience and more by participating in and/or completing specific value-added tasks in exchange for being rewarded with micropayments either collected directly via real-time fiat (\$, £, €, etc.) conversion, donated to charities or held in virtual currency form (BTC). 21 could be the best vehicle/enabler for such an initiative.

How [21.co](#) works:

21's primary initial use case for being a Bitcoin-powered micro-transactions/interactions marketplace between entities (from humans down to individual HTTP requests) is: You can create a 21 profile and anyone else can then contact you through that profile, on the condition the person that wants to contact you pays \$1-100 (you set amount) when/if they receive a reply from the 21 user. You can also have the payment go directly to the charity of your choice,

currently there are four choices: [CoinCenter](#), [Black Girls Code](#), [Folding At Home](#), [Code To Inspire](#)).

You can also join a list you qualify for (example: the Golang list: <https://21.co/golang/>). Anyone that wants to access the expertise from the people in that list can send a mass email with one click. The list sets the price for the sender to pay for each response from the list.

The [21 Marketplace](#) is a place where anyone can buy high-level services by issuing an HTTP call to a given endpoint by using the [21 client](#). Each API call costs a given/programmable set amount of BTC. There are very good examples of how the API endpoints can be used at the marketplace site already.

Goals:

21 can be used in a few interesting ways for K8s:

- Hooking up QA/testing suites to 21 and rewarding K8s contributors with BTC/fiat on a per-HTTP-call level (highly granular)
- Asking technical questions of K8s experts. The chance you are going to see a response is much higher if you pay vs. asking on StackOverflow (or worse, asking a support question in a K8s issue, a major problem facing the K8s community as well)
- Hiring K8s expert consultants/company expertise
- Collecting data from qualified people easily (for instance TheNewStack and other press/news/media/blogging outlets and content publishers could use this forum for getting people to answer their survey in exchange for micropayments)
- *Much much more... ideas welcome!*

Proposed Initial Tasks:

1. Create a 21 list in <https://21.co/lists/>
 - a. **DONE:** see 21.co/kubernetes
2. Announce the existence of the 21 list and encourage K8s experts to create an account and add themselves
 - a. Registration is easy and fast, you can link your Github/Twitter/LinkedIn accounts easily
 - b. Example account: <https://21.co/luxas/>
3. Inform the community on how to use the list
 - a. Could possibly be marketed as a way to escalate support issues
4. TBD: Somehow integrate it with:
 - a. [K8sPort](#)
 - b. QA/CI/other testing systems (driven by people in the community?)
 - c. ...

Similar projects:

- [K8sPort](#)
- ...