

Toronto Projects

Proposal for Protocol Labs Support

Recap

IPFS Lab Day

- Spoke with Juan and Matt about Protocol Lab (PL)'s interest in supporting a couple projects by Toronto Mesh contributors
- Discussed sharing with PL the list of projects in our roadmap, and PL can identify places they can lend support in the form of:
 - Financial
 - Developer and PL people's time
 - Travel
 - Hardware and infrastructure
- In remainder of 2018, PL to contribute USD 5000 to support workshop work
- Next step to identify projects and work plan to support ongoing work that both groups are interested in pursuing
- Some project ideas that came up:
 - IPFS Live Streaming
 - IPFS World Clock
 - IPFS Collaborative Pinning
 - Integration with other platforms
 - Continued development of peer-to-peer workshops

Sync Up with Toronto Mesh Contributors

[See full meeting notes here](#)

2018 Support for Peer-to-Peer Internet Workshop

- The following "wants" have been brought up regarding workshop:
 - Internationalization
 - Making hardware easily accessible
 - Curriculum collaborations with other third-parties
 - Running this workshop around the world
 - Running this for Protocol Labs as user feedback
 - Making a self-guided version (@benhylau has a [primitive version](#))
 - Integrations with other peer-to-peer services
- In remainder of 2018, PL to offer USD 5000 to support workshop next-steps:

- @benhylau proposes to take, as ETH or USD, as a one-time personal grant, then redistribute [SSBC grant-style](#), over remainder of 2018
- Since there is an existing grant to support SSB-related work and website for the course already, @benhylau proposes the scope of this grant is to support:
 - Remaining work to package workshop for non-technical facilitator that is outside of SSBC grant scope
 - Making hardware easily accessible (e.g. support cheaper/readily available hardware, investigate selling as package on Tindie, etc.)
 - Curriculum collaborations with other third-parties (e.g. follow up with a couple organizations who has gotten in touch to collaborate on integrating components of this into their curriculum)

2019 Support for Existing and New Projects

Projects

Here is the [full list of current Toronto Mesh projects](#) slowly making its way to our website. I think the following projects are of particular shared interest:

1. IPFS Live Streaming (continuation)
 - Use more IPFS features like IPNS and `ipfs pin add`
 - Actively help other groups use this at their events (includes traveling to)
 - "Hopes & Dreams" that surfaced during [Our Networks Livestream Retrospective](#), includes features like remote participation, chat/peerpad integration, multi-rooms, etc.
2. Use Case Demos (new)
 - Meshstream (continuation of SSB + IPFS integration)
 - IPFS World Clock
 - Local mesh distribution of content from Knapsack For Hope satellite stream (something like a Raspberry Pi as DVR recording the Satellite TV stream and running the unpacking software, then directly unpacking files into IPFS and distribute the directory over local mesh network)
3. Building The Peer-to-Peer Internet Workshop (continuation)
 - See [list above](#)
4. IPFS Collaborative Pinning (new)
 - Project on its own but can be useful for a lot of our other projects
5. Mapping & Monitoring Tools (new)
 - We want to build opt-in pull-based reporting (think Prometheus) on nodes and server provisioning for real-time monitors, so a community can deploy an autonomous network *and* have a view to its status all near-zero-config
 - We've built early cjdns-based prototypes but there is a ton of work to do this properly

Next Steps

@benhylau is speaking with contributors to existing projects and collecting people's 2019 bandwidth. Would like to start talks in parallel with PL to lay out specifics:

- What projects PL is interested in supporting
- Identify project needs (some may require more PL involvement)
- Identify timelines (e.g. events we can live stream, spaces we can run workshops, demos, etc.)
- What amount of funding PL can commit to 2019 work and how
- Assign PL contact and schedule periodic syncs
- Confirm 2018 proposal

Notes from follow up conversation: https://hackmd.io/qVxdASUXSZG_61yoebwSfQ?both

Sign off

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