Secure Scuttlebutt

Peer-to-peer Collaboration and Community Infrastructure

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LibrePlanet
Boston, MA

Charles E. Lehner

`@f/6sQ6d2CMxRUhLpspgGIulDxDCwYD7DzFzPNr7u5AU=.ed25519`

Me

@cel

Developer
git-ssb, patchfoo, sbotc

Using SSB since 2014

SSB

- p2p, f2f, e2e
- gossip protocol
- social network
- application platform

%xRPUKpUVLyyMJw/obpJXGyl8D3N3VJKE4d6BObXFGDk=.sha256

%ipyEyC3oODPTf2X/GyCzU7vgPB/Ut5uay4MtT5w3X9U=.sha256

Cypherlinks

Message

`%Oys+Dg6P0h8LvykiMTQW5L43iwuJpuvOIiVW5RZs9Cw=.sha256`

Blob

`&C93joUl4xSFH3cVJM6ZZQdAr+WXIiDLIyUQDZ//y4qw=.sha256`

Feed

`@f/6sQ6d2CMxRUhLpspgGIulDxDCwYD7DzFzPNr7u5AU=.ed25519`

Message


```
{
  "key": "%8XKAub/+keTbOXU+eS1/r2+wDMfk0369fLJ57Re9Ku0=.sha256",
  "value": {
    "previous": "%0tpLhWn8nC1iA+thcZnVYt5Nm6OtUvkFXMuHdB9roS4=.sha256",
    "author": "@C3iYh/12sO1uvKq1KcZXLFxSySzxOkHxXN8rtNB5MGA=.ed25519",
    "sequence": 1359,
    "timestamp": 1506213306259,
    "hash": "sha256",
    "content": {
      "type": "post",
      "text": "hello world"
    },
    "signature": "Nz4WOuOMpXU2xXUgW+cGTLCiU1BCYiHQFWvyUnppq+YmwV1TZM
5+FM12SAclA2BFgRdHyG6Y9lDCXHJdMFiMAw==.sig.ed25519"
  }
}
```

Pubs

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%AsywVupvKB2HcnGX7OMsuo7G32uq+sEM0+qGzJ3YZ9w=.sha256

Herm[i]es

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Patchwork

Public Feed

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Profile

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Patchwork

Tags

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Thread

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%lCX+OgVrPgs44b6meFz3kE54r4CW19y0oiU6rrV6GQU=.sha256

Patchwork - Gatherings

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Patchbay

Thread

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Patchbay apps

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Polls

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Books

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Patchbay apps 2

Chess

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Patchfox

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patchfoo

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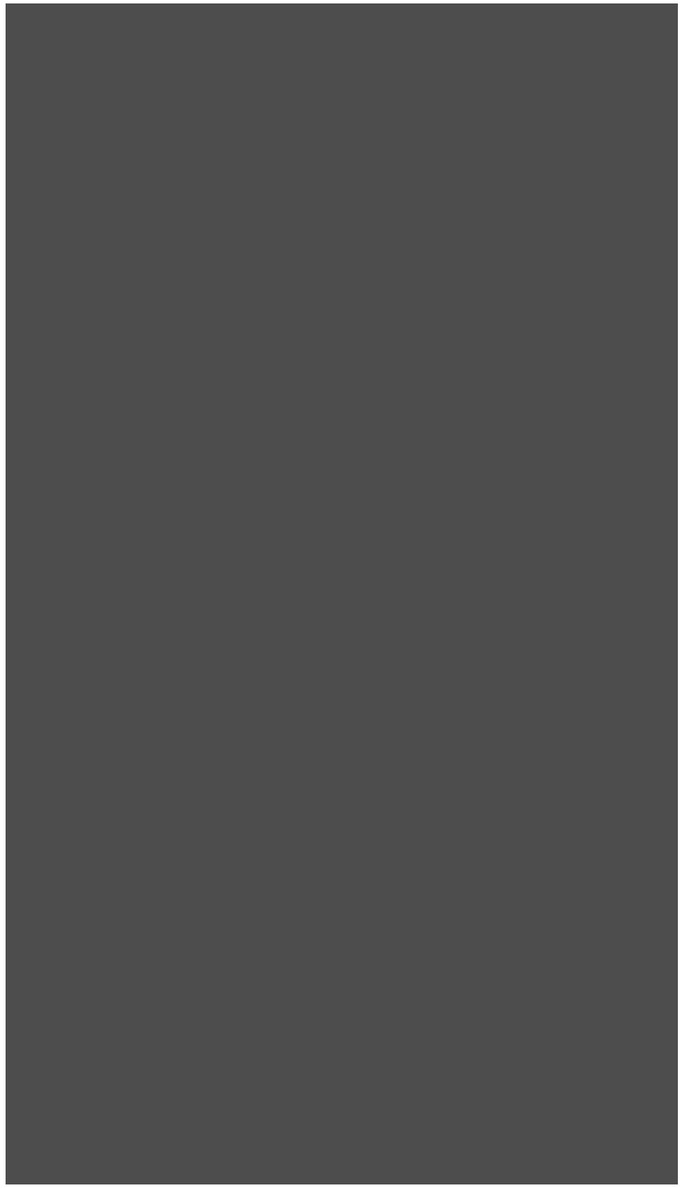

Planetary

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git-ssb

%dY2VrwvI5vO9Dqf1UR3Ev4zZdXJU0/XwRFwt92Y29v4=.sha256

Other implementations

Full: Node.js, Go, Rust

Partial: C, Python, Java, Swift, Erlang

Crypto: C (libsodium)

Funding

Scuttlecamp

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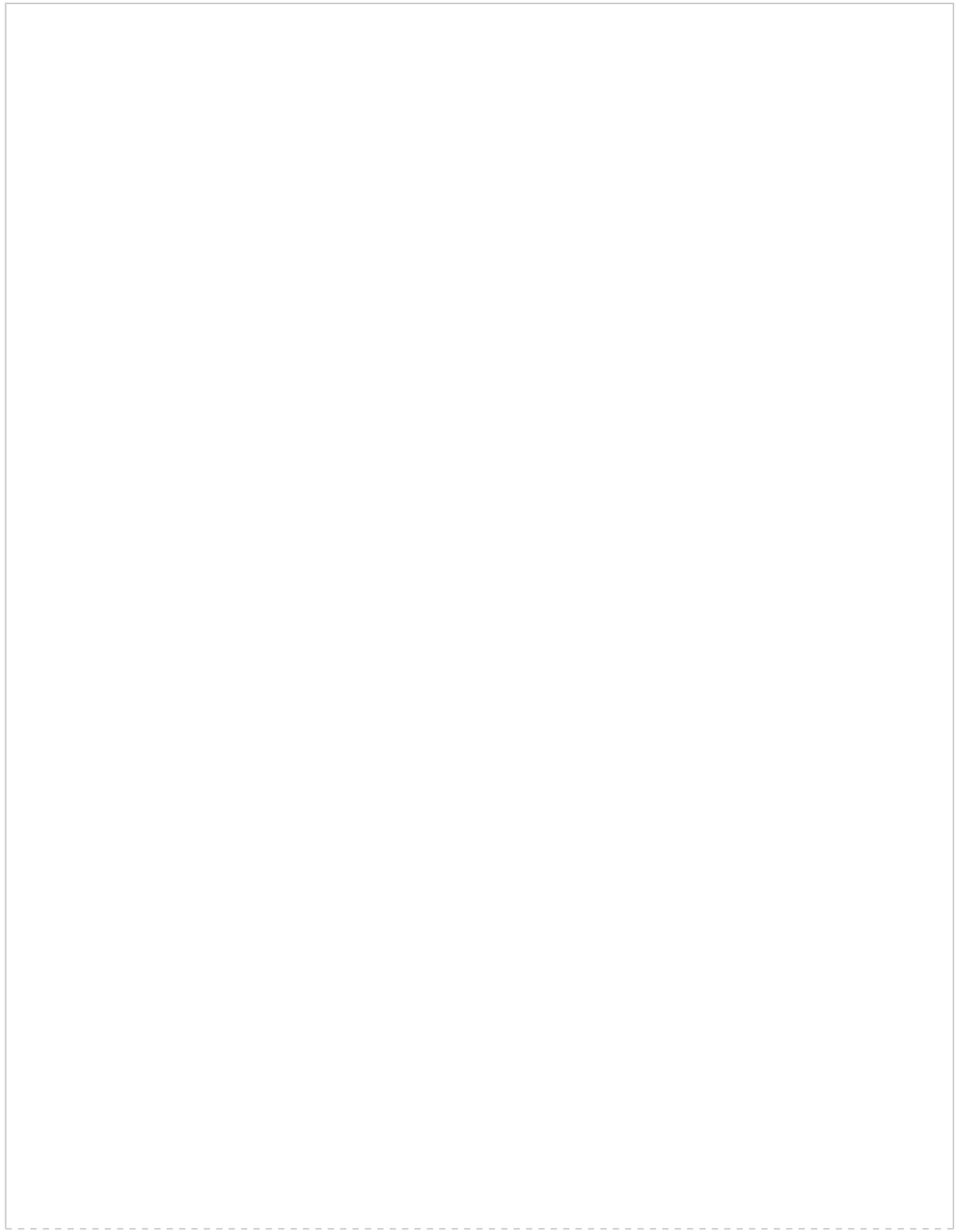
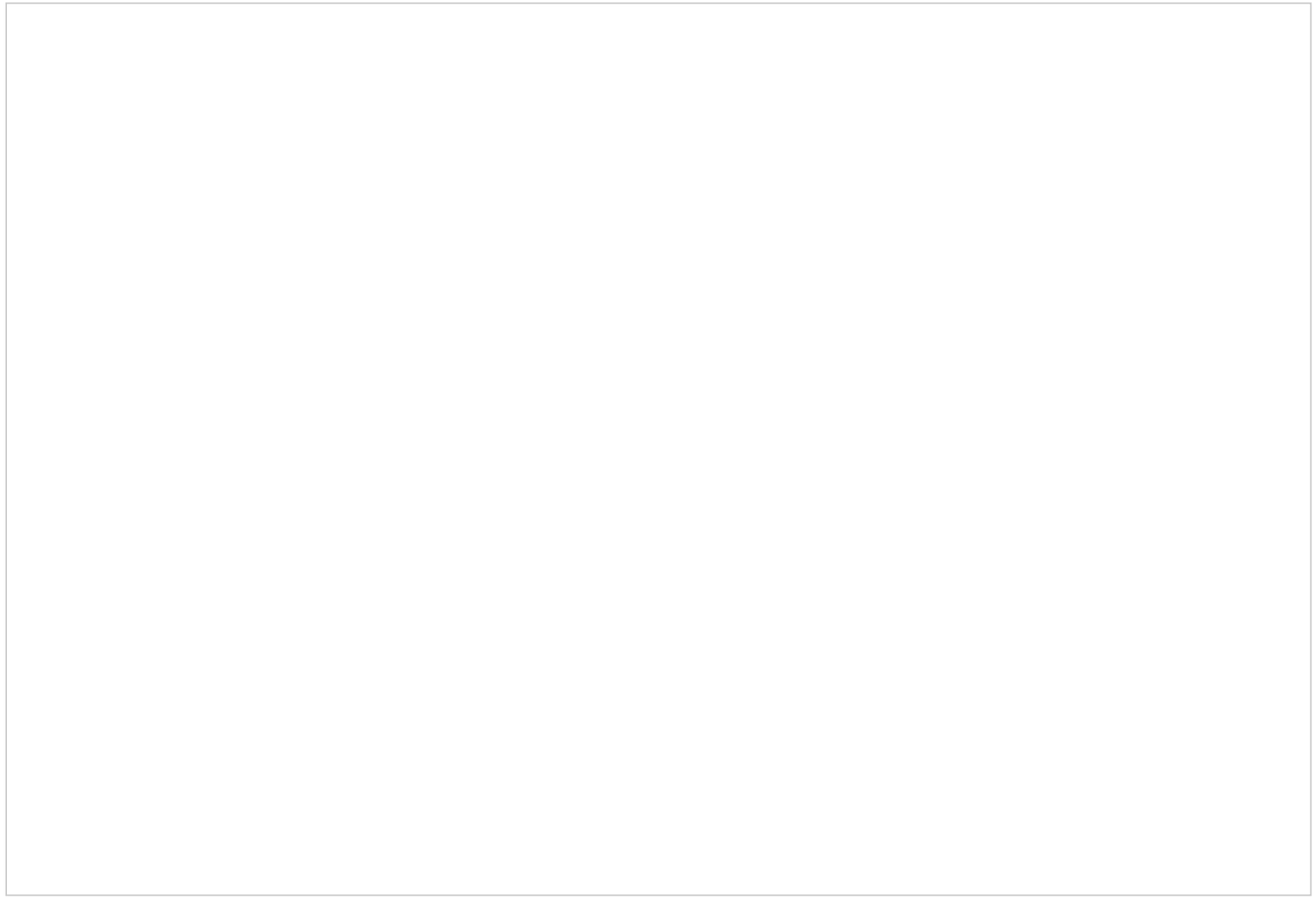
Diversity and Inclusion





Principles stack

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Solarpunk

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Boats

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Alchemist

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Crab meet

%sV6uNHQeYiMh+GHjMCQCCFP9pigTRTq6WXpFsNKsEQw=.sha256

%LhJZpvqMaaORd7E1S3azBPtJBSJRSFdoeXQfVSixJmA=.sha256

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#showmeyourcoffee

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%3dkhZpXrnlKfE/sJb/A+NYBiKhUZCGnvcgbYpVWzE6k=.sha256

Network graphs

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%ZCODq83xRs+sbU8YXxZ1MPlFP1u9i2wyIYAu6GCTqNo=.sha256

Network activity graph

2015-08-05 - 2020-03-05

https://ssb.celehner.com/activity/

Published research

%aclRXl3q1cnoOyfVuDRaTAKPESv4J6QLDE4B5M2vDaM=.sha256

%ky3+/h0MFsevtRpCBYHAq7l7N7JF2FgI21Sw0BSt9Gc=.sha256

https://scuttlebutt.nz/