

Uploading large files to Swarm

- Zahoor

Siesta!!!

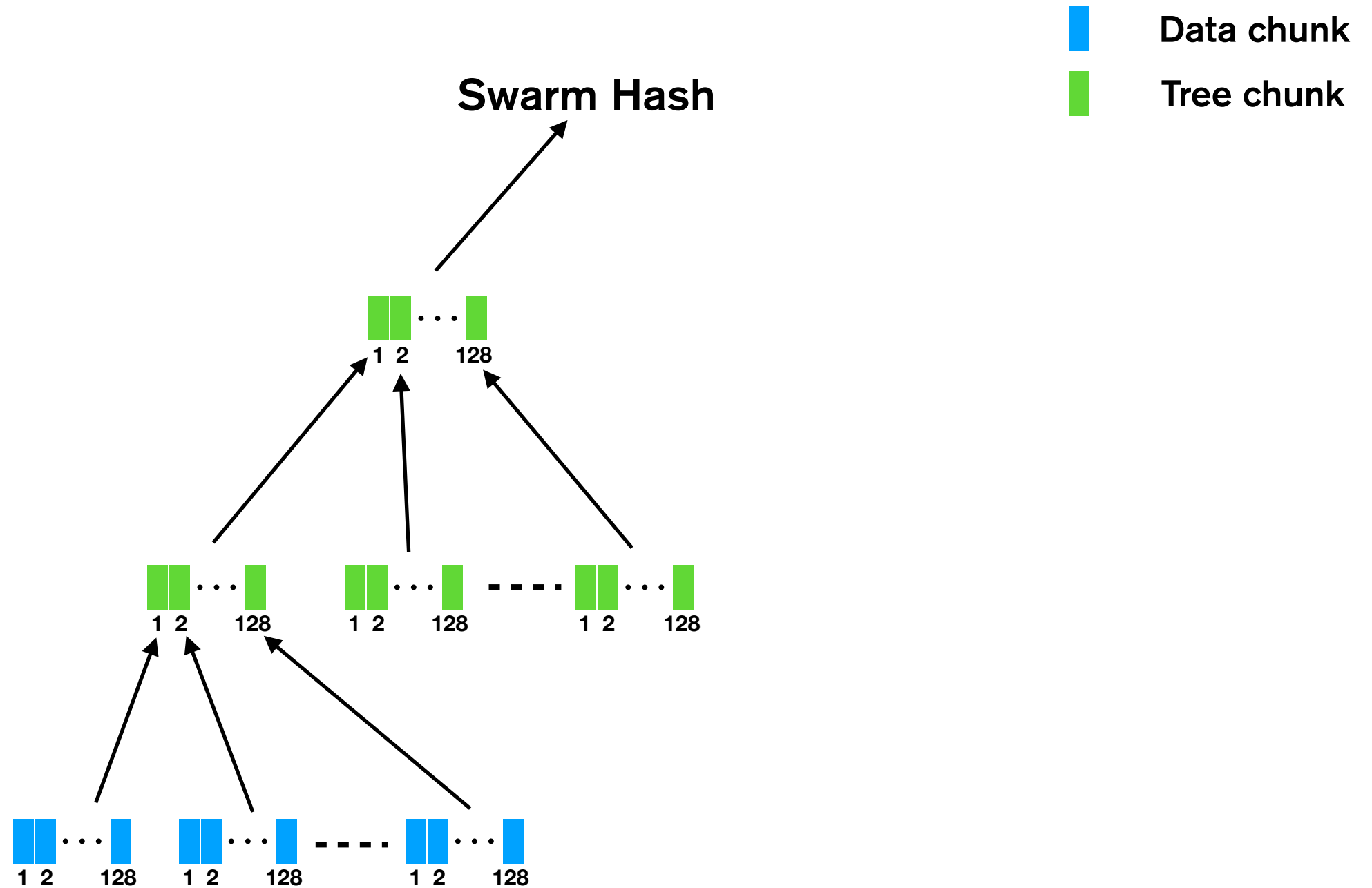




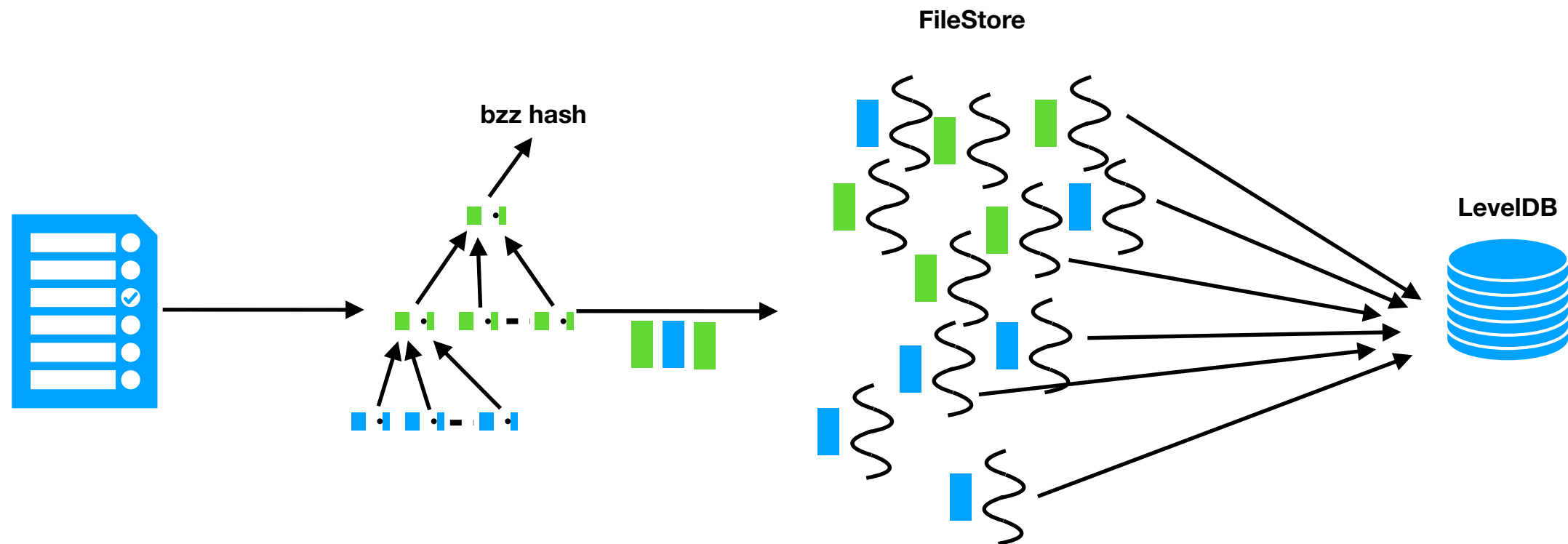
Easy and secure way to send your files.
No central server. No tracking. No backdoors.

 select or  drop a file

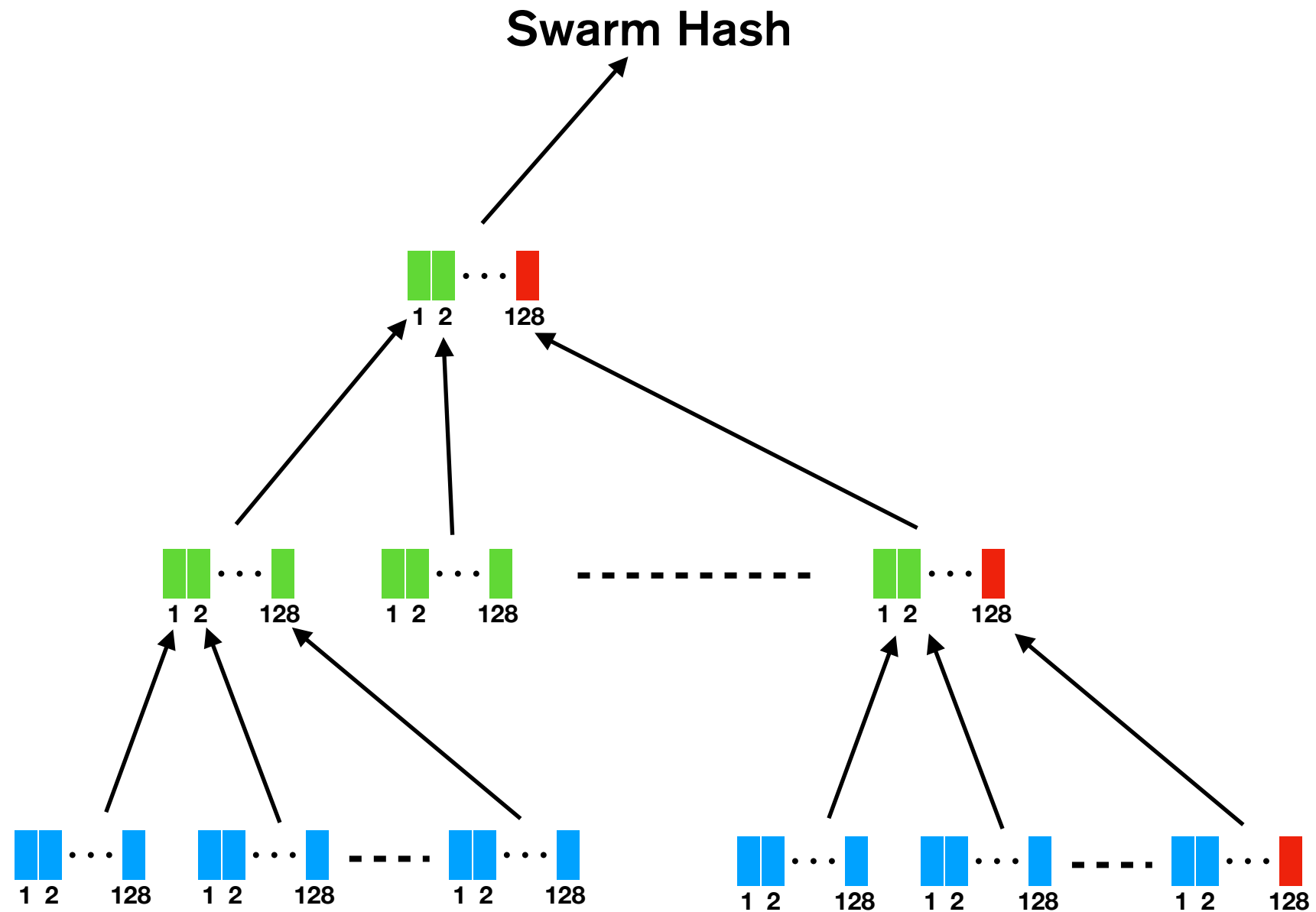
Pyramid Chunker - Refresher



Issue 1 - go-routine explosion

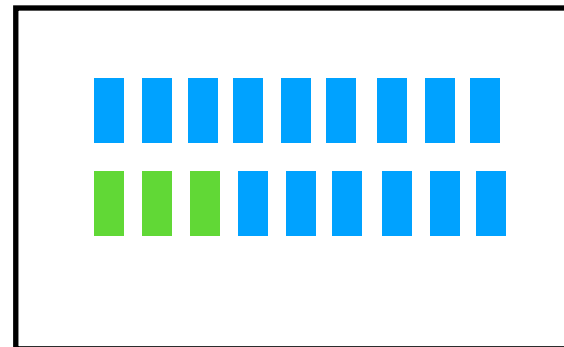


Issue 2 - Pyramid wrap



Issue 3 - Default DB capacity

Level DB



5000000 chunks

Improving Upload Time

- Batch insertion of chunks (128 chunks)
- Shortcut network layer for local upload
- Bloom filter to avoid DB read during insertion
- Using large chunks (1 Mb, 32 Mb)

Implementation

- Issue <https://github.com/ethersphere/go-ethereum/issues/1356>
- PR <https://github.com/ethersphere/go-ethereum/pull/1395>