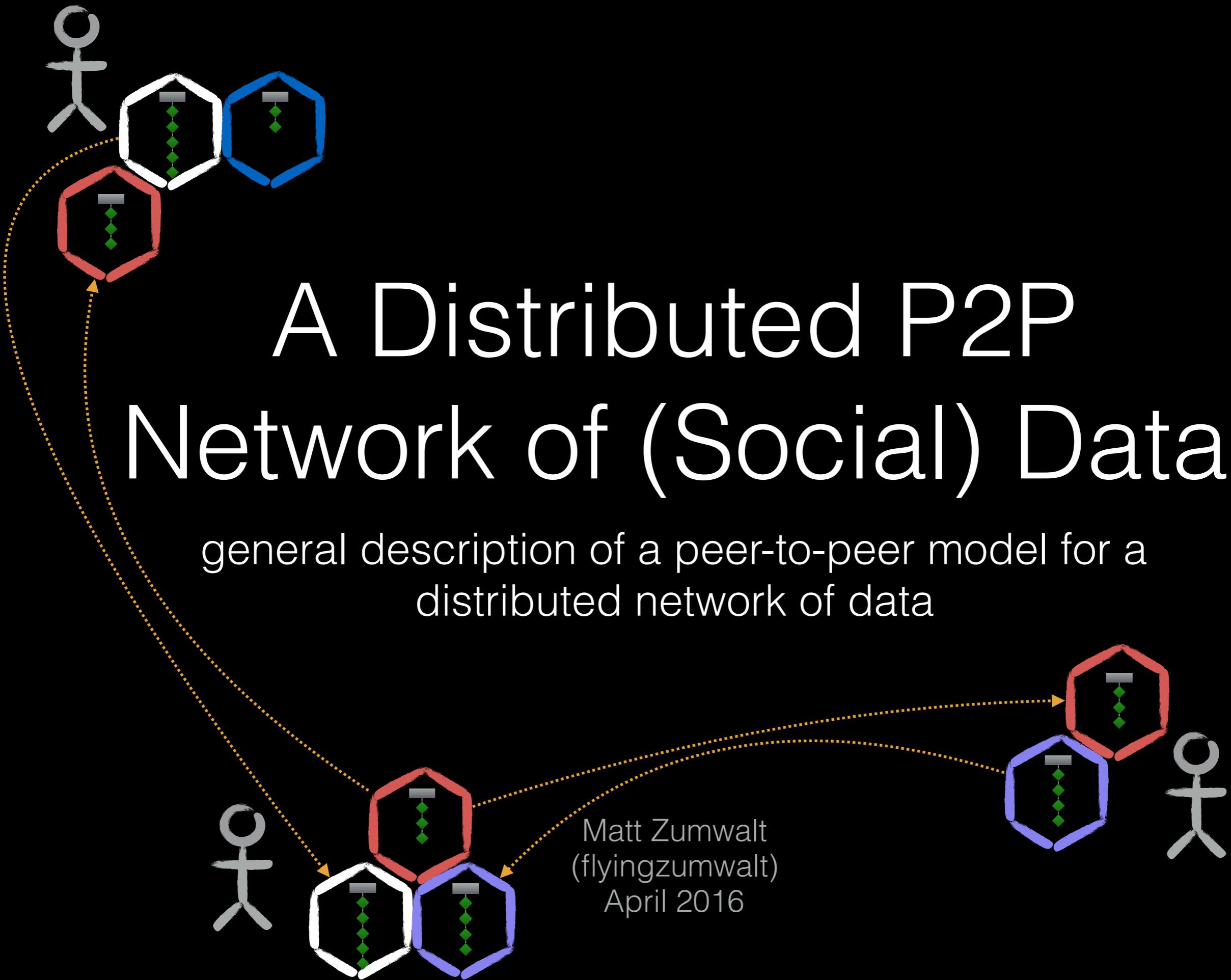
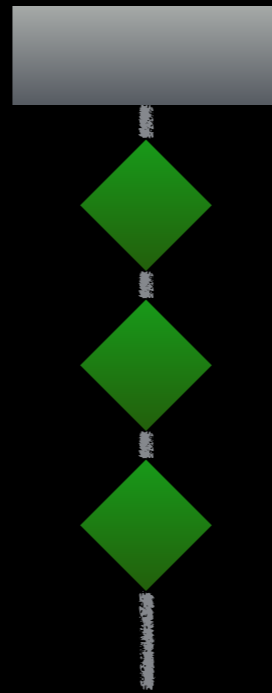


A Distributed P2P Network of (Social) Data

general description of a peer-to-peer model for a
distributed network of data

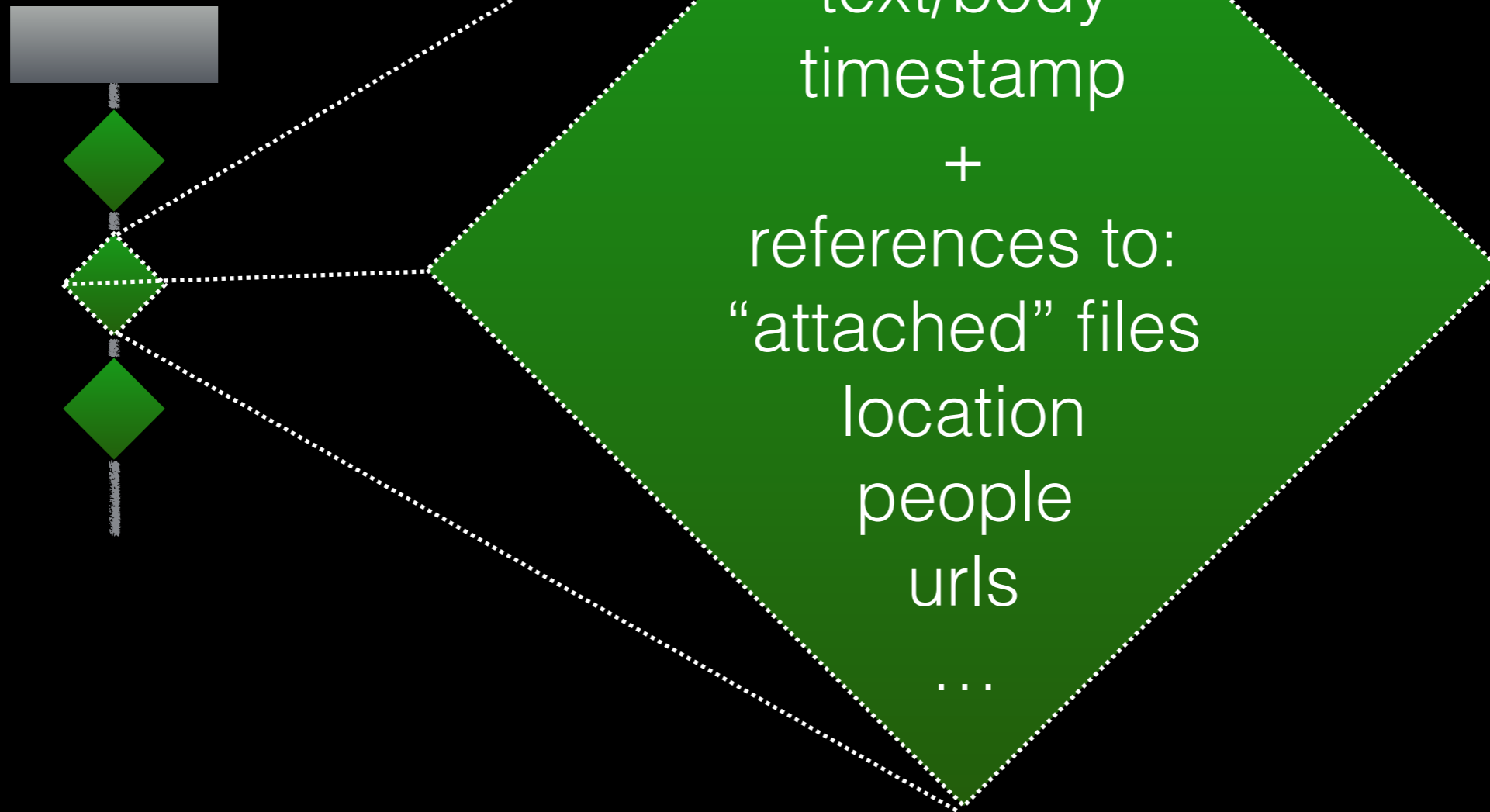


Matt Zumwalt
(flyingzumwalt)
April 2016

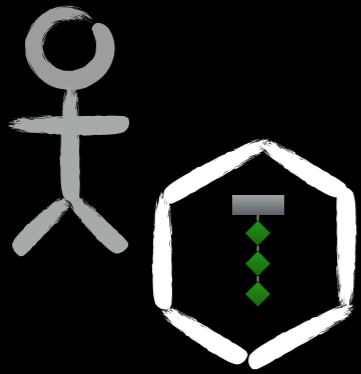


*Your timeline is a “feed” of posts
... a bit like an RSS feed.*

Posts have a predictable structure.

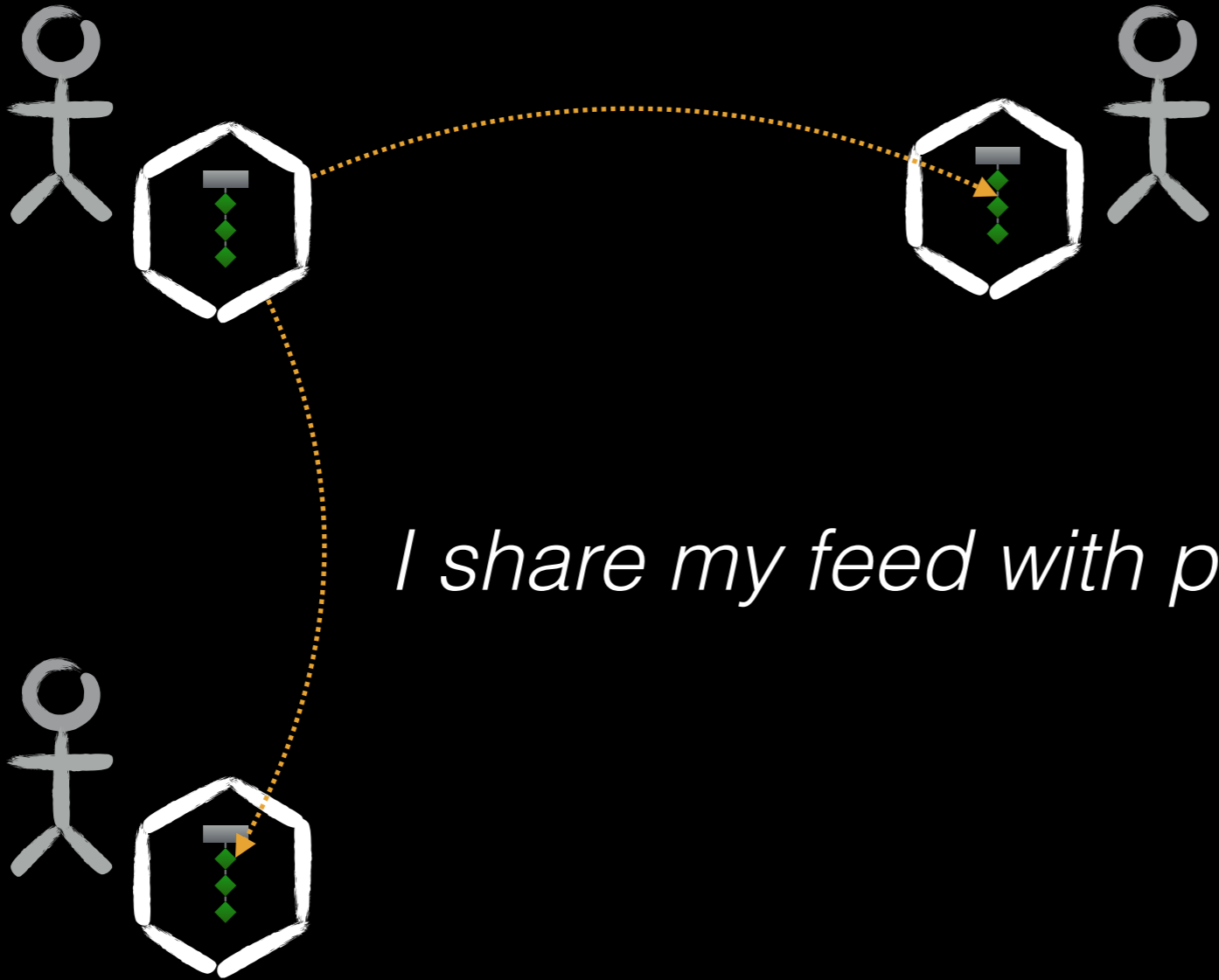


Like emails always have the same parts (Subject, Cc, Bcc)

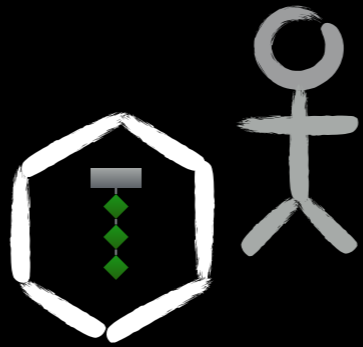
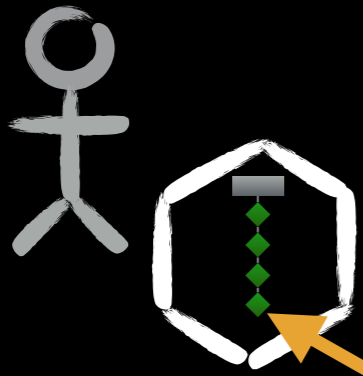


*I have a feed of posts.
I control that feed.*

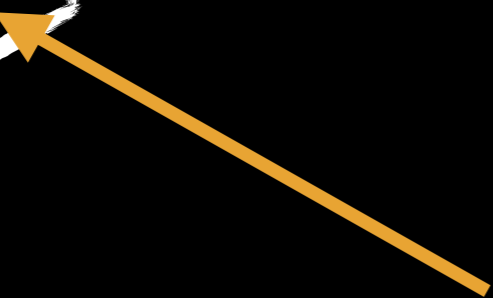
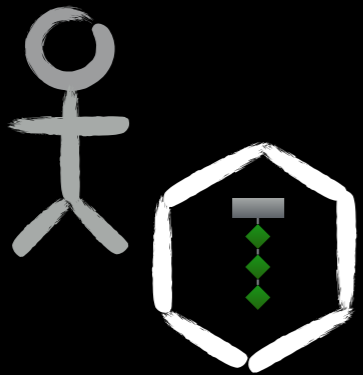




I share my feed with peers.



New Post!

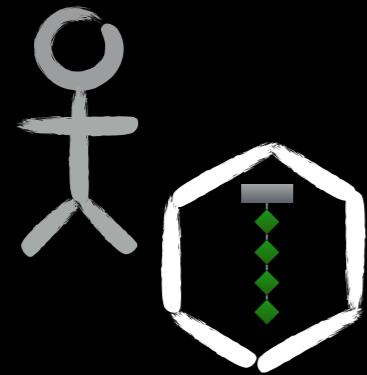


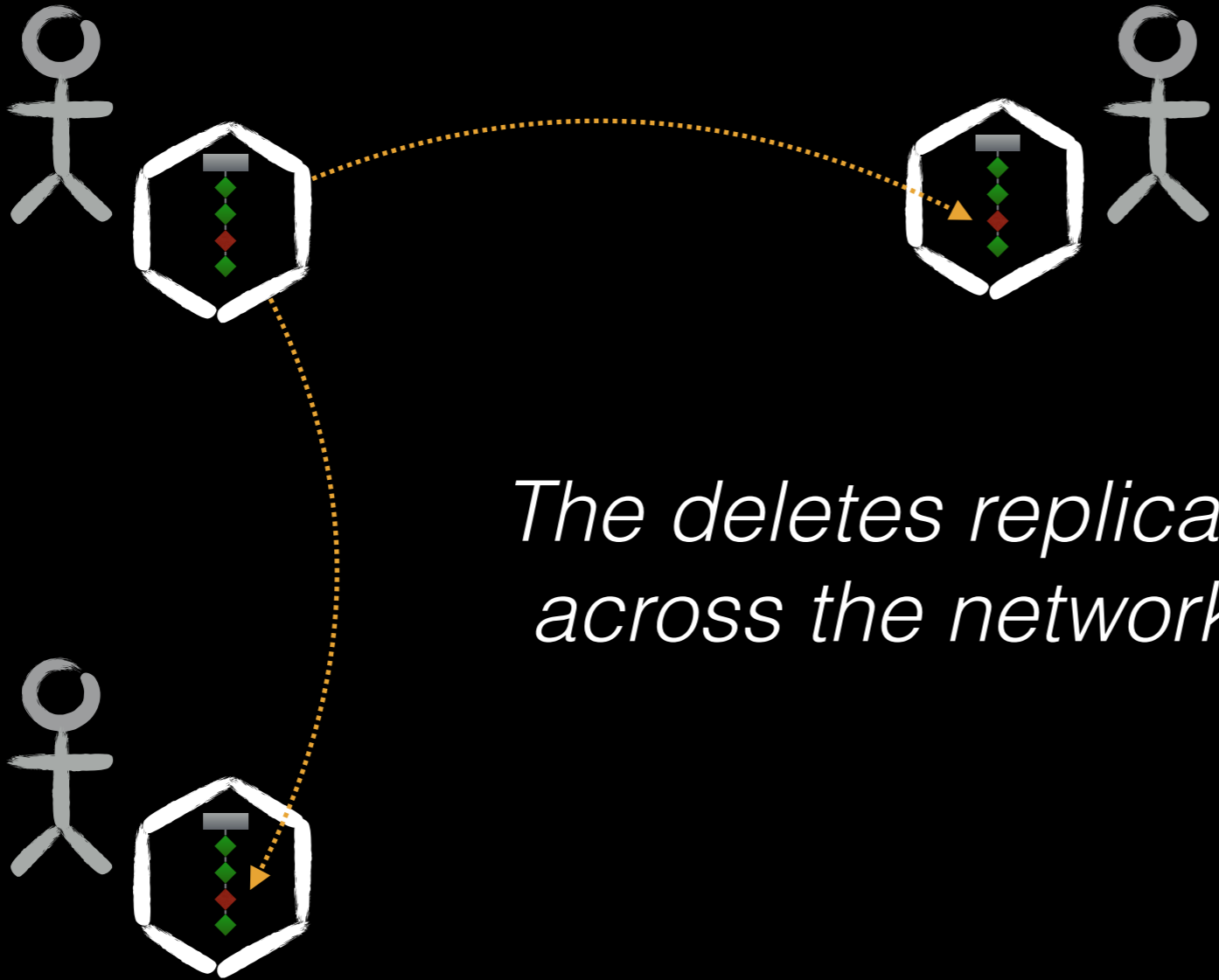


*The changes replicate
across the network automatically
using bitTorrent.*

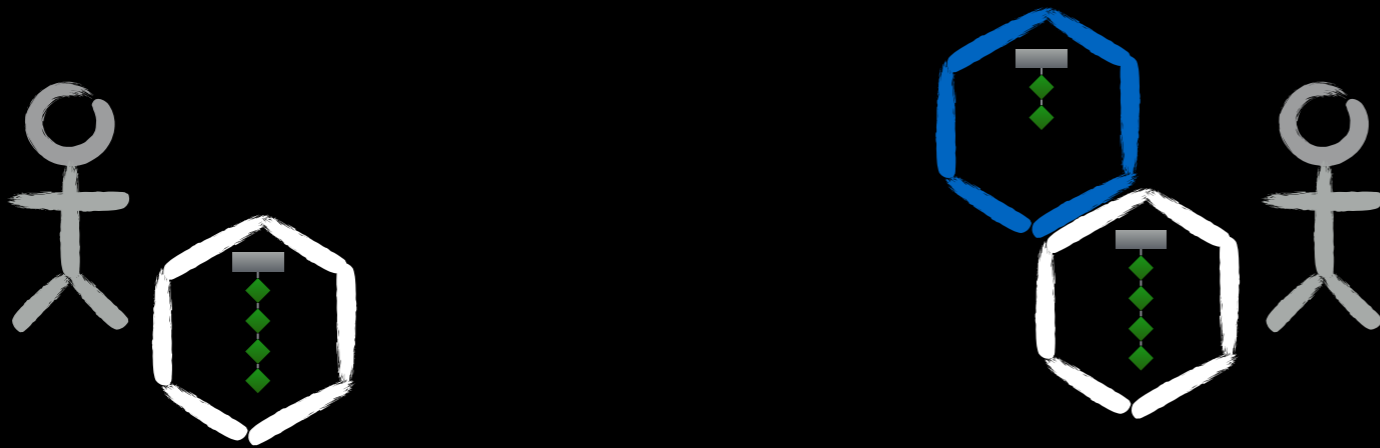


When I delete a post

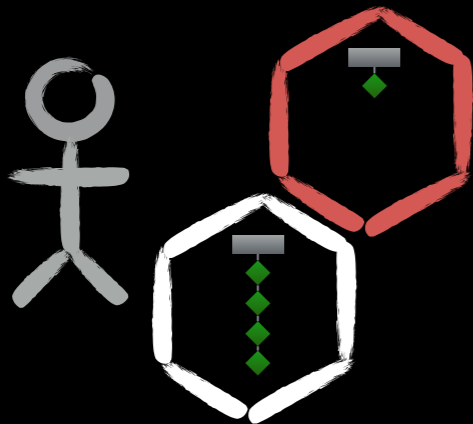


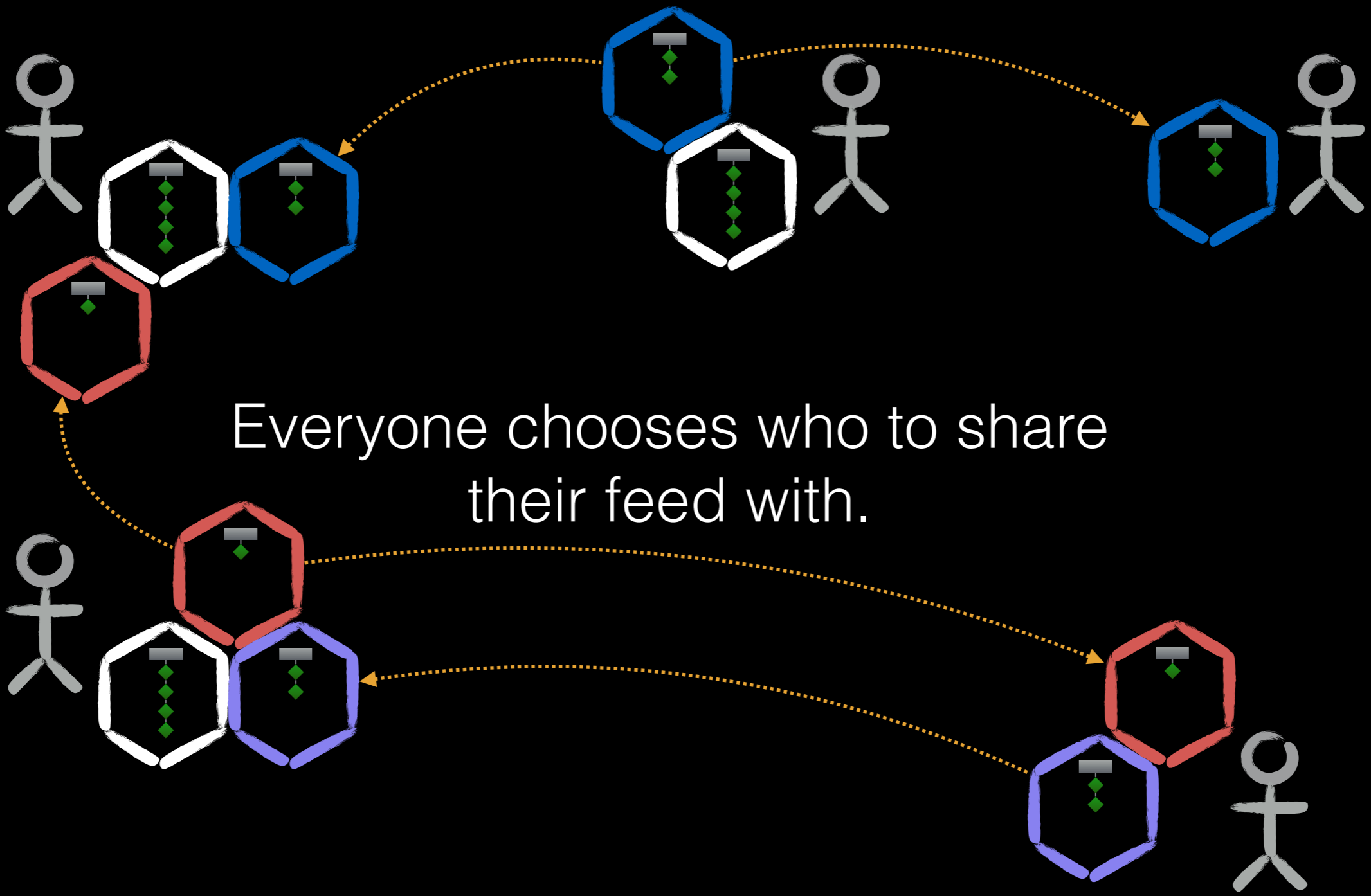


The deletes replicate across the network.

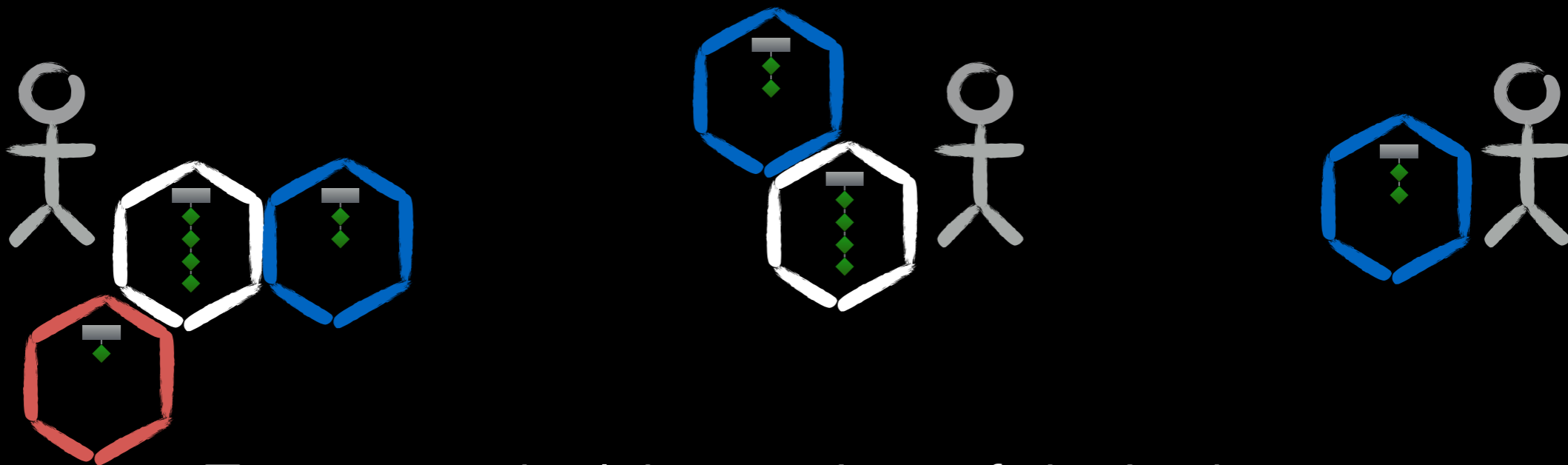


My peers have their own feeds.
They control their feeds.



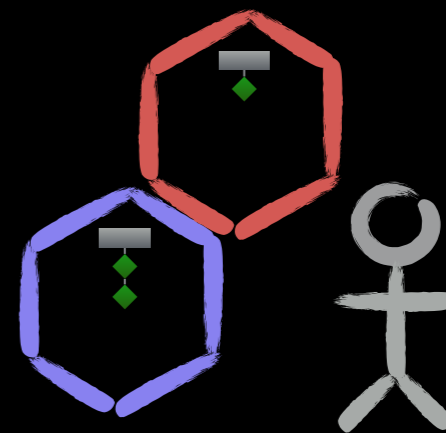
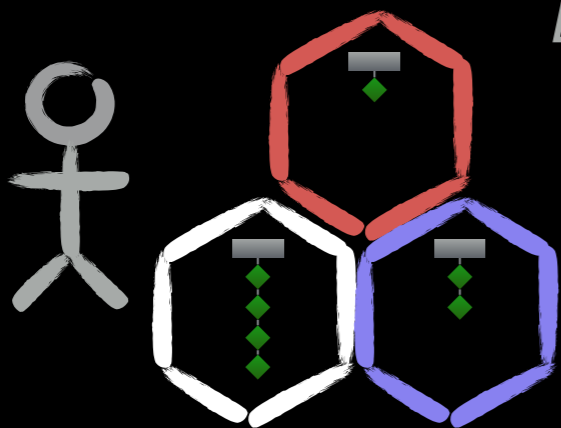


Everyone chooses who to share their feed with.

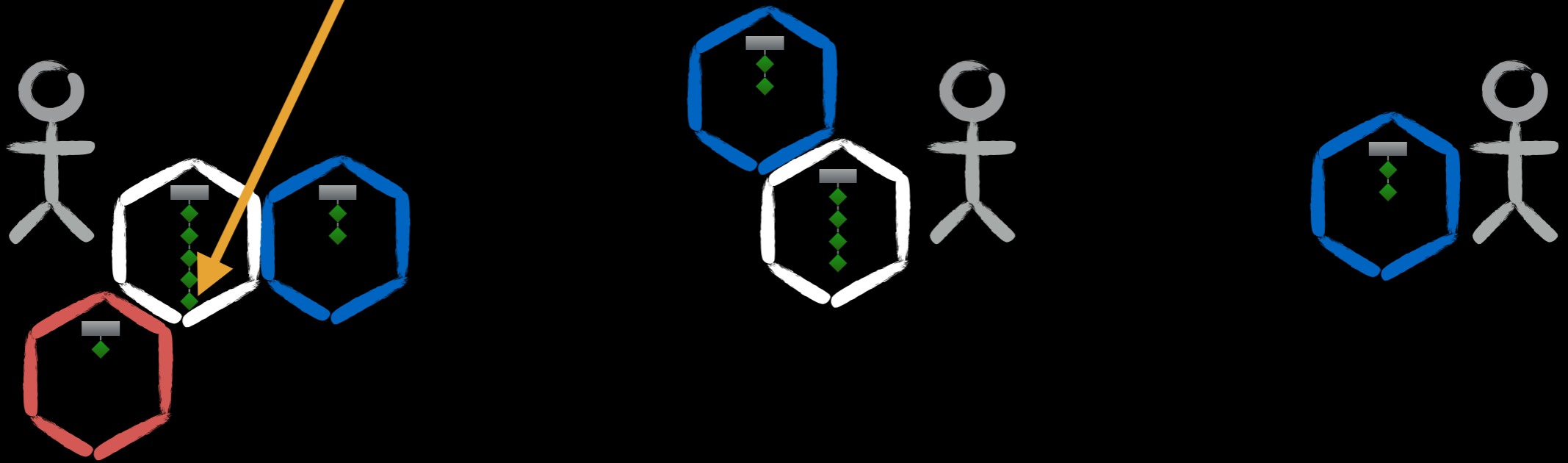


Everyone holds copies of their data.

Like we do with emails.

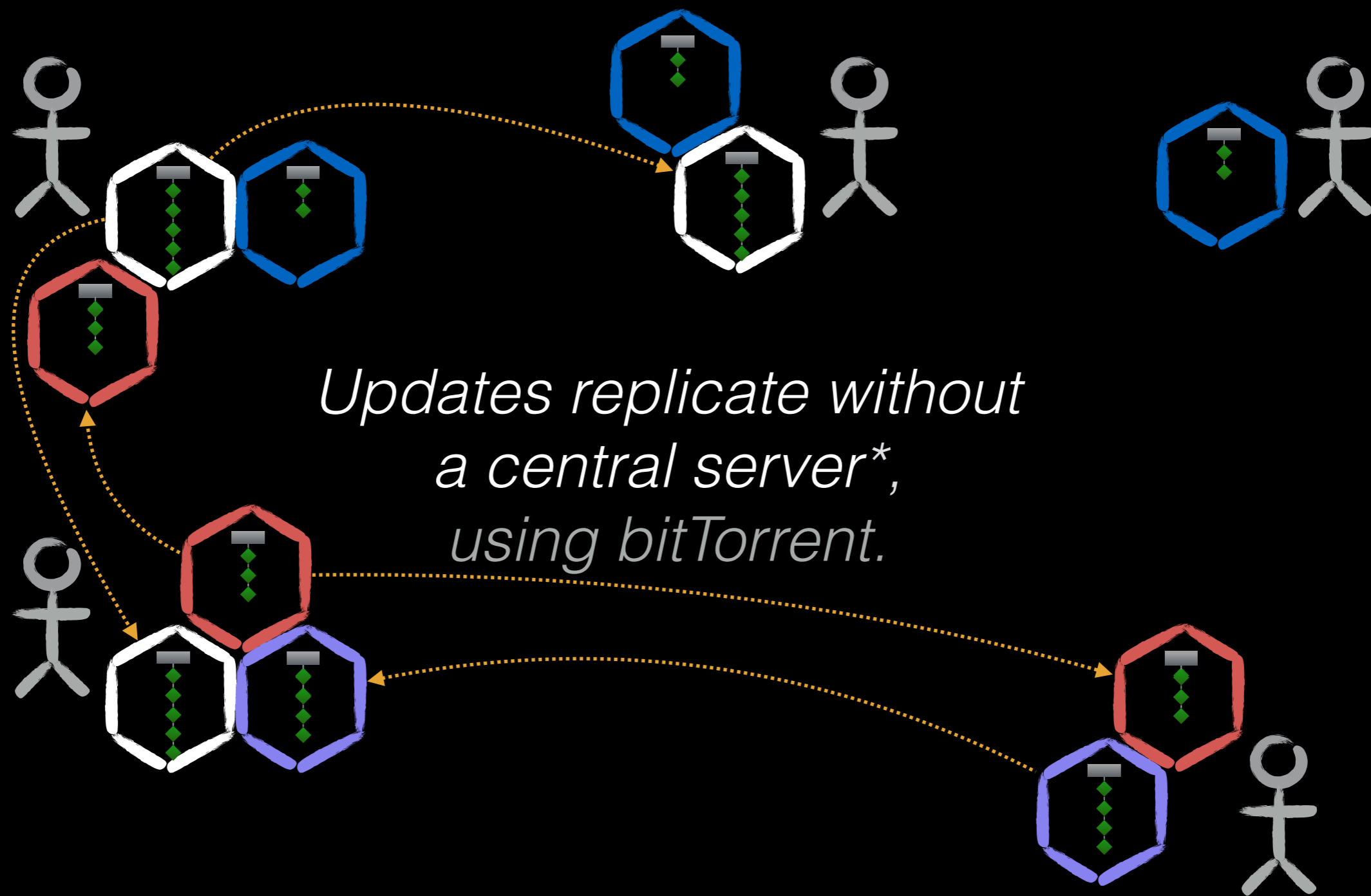


New Post!

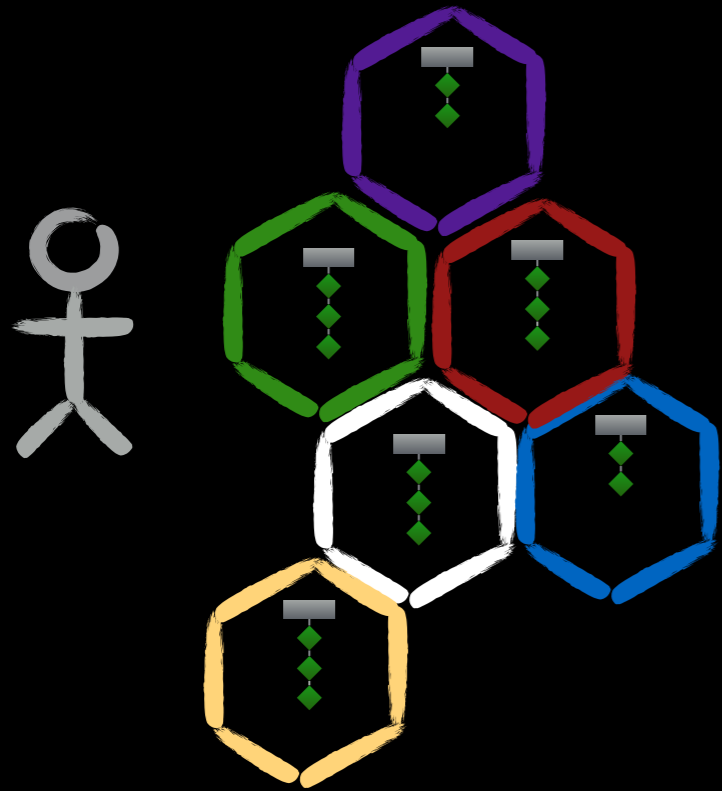


When we make changes...

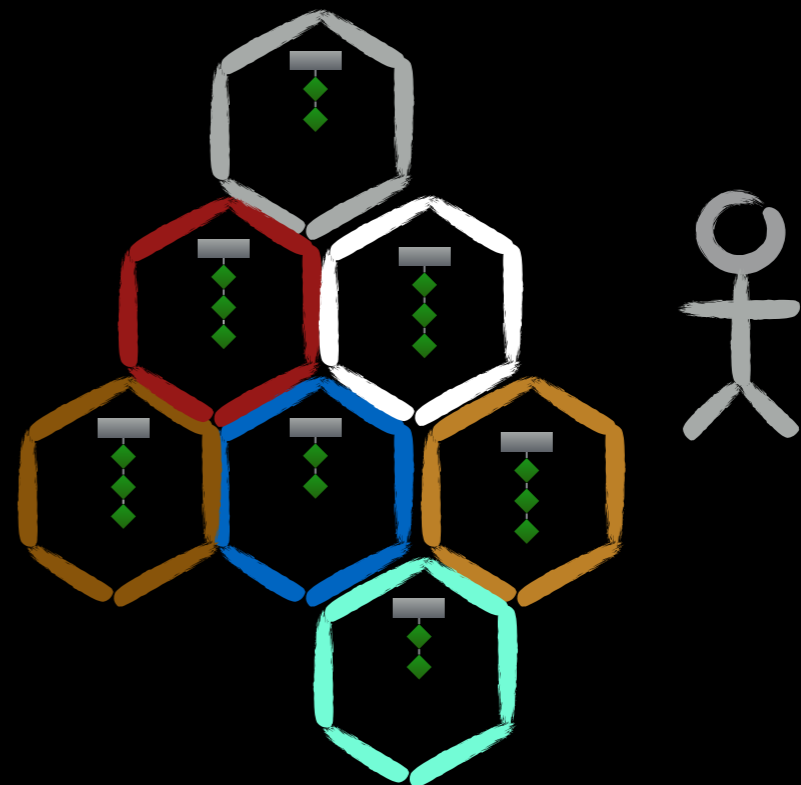


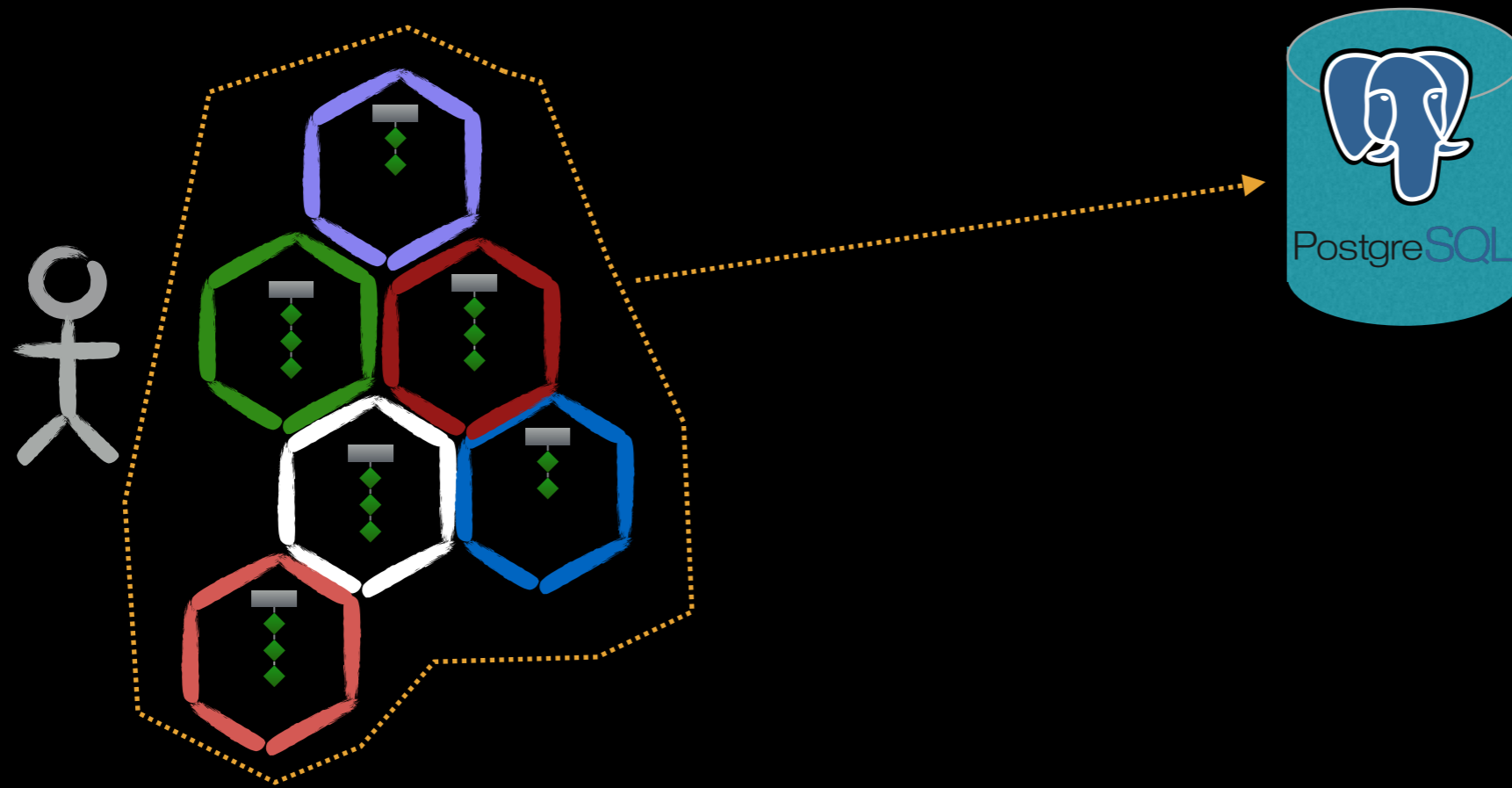


**in practice, you might use servers as intermediaries, like email servers, that hold data until peers come online and retrieve it.*

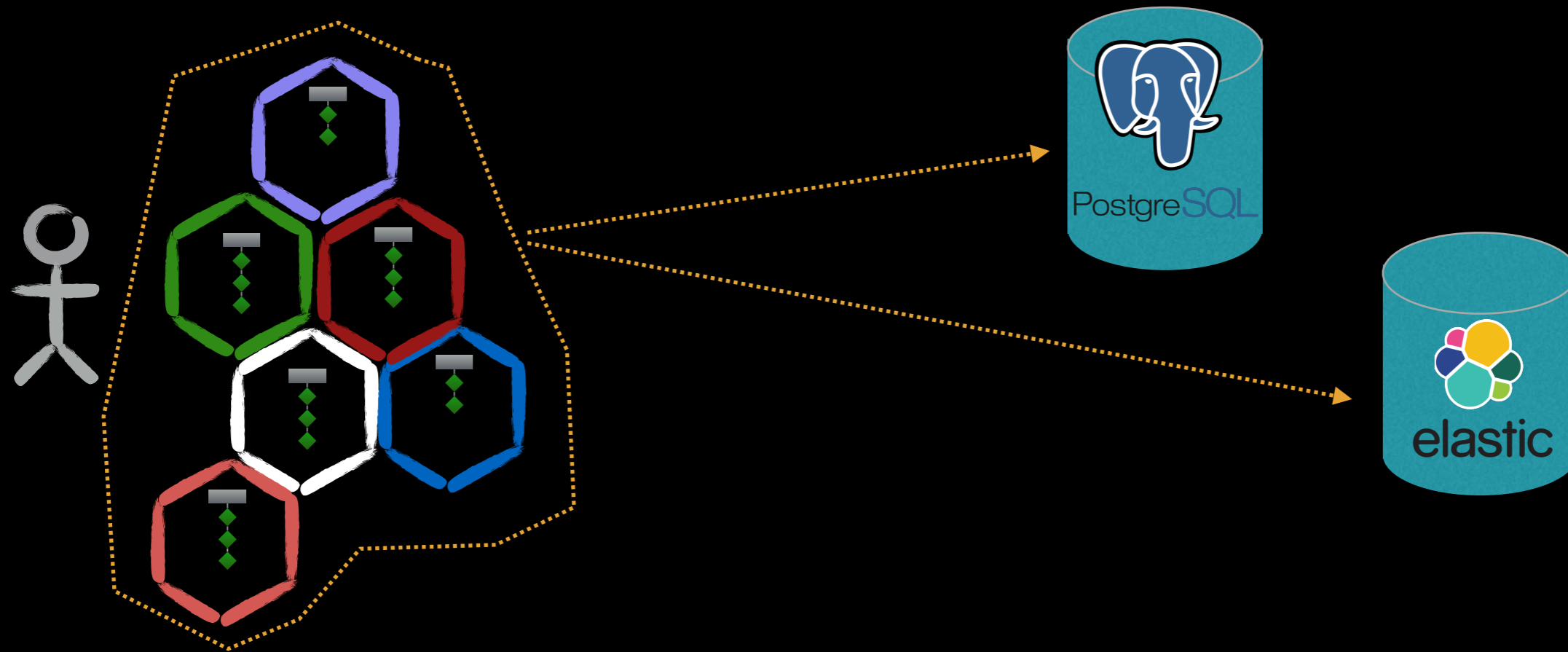


Each of us has a unique combination of feeds.
Like the contents of your email inbox is unique to you.





Tools can index the data you've received
letting you search through them and browse through them.
Like email clients or RSS Readers.



You don't need permission

to do something new with your data.

Anyone can dream up a new way to look at the data.

Or a new way to search through it.