# Weekly Accomplishments

Nat + Alex: Had issues with OneDrive deleting work. Work on design doc had issues thus but work will continue on Google Drive for now.

Ryan: Finished Atomic Layer and Messaging infrastructure. Refactored a lot of code.

Dan: Started working on networking layer, did not know enough about a protocol so waited for this meeting.

Ryan + Dan: Networking Layer and Atomic Layer is almost done, just bug fixes.

# Notes

New Messaging Structure was discussed. Reduced the complexity by having only one type of messages.

## Adding new nodes to existing system

Node A in existing system

Node B is new node not in the system

1. Some method of exchange, Node B ip address will be sent to Node A
2. Node A will send initialization message to Node B, containing Node A’s public keys
3. Networking Layer on Node A will attempt to start a standard protocol, but will fail since Node B is not in Node A state
4. Networking Layer on Node A will switch to using a [ephemeral] communication system with Node B
5. Node B will receive information from node A
6. Networking layer on Node B, similar to Node A, will switch to [ephemeral] communication system
7. Node B will add Node A to state, and enter an initialization Mode
8. Node B will respond with its public keys, Node A will add Node B to its state.
9. Node B will request info from Node A to finish initialization

# Next Week Goals

Alex + Nat: Finish Design Doc and Project Plan

Dan:

Ryan: Continue to work on Atomic layer, getting particle layer integration