Meeting Minutes

Project Molecule

18 September 2016

May1739

We lost someone to space computers  
  
Gitlab update - D  
  
Prof meeting at 6pm Tuesday Durham Room:TBD - R  
  
**Project specs discussion - All**  
- Low power unix solution - Pi  
- Standardized API for packages in C style  
- Main binary API  
- Ability to insert web tools, with standardization of UI comps  
- Dynamic UI generation from config file from vendors  
- Default features are written as extensions  
- Load and delete plugins  
- Permission systems for plugins, can deny specific permissions  
- General Permission settings (deny globally a certain permission)  
- Maybe sandbox processes? usergroup, cgroup, docker, special user  
- Synchronize files (need more research!) - git?   
- Each node has a public key and can post IP address to each other, when adding nodes to the system use a short hand to add public key.  
- - How will concensus work to understand right and wrong?  
- Nodes have permission for actions  
- Trust No one but yourself, ask your neighbors if someone is safe  
- encrypt and sign messages for double encrypt messages  
- Rust for backend  
- [Node.js](http://node.js/) and JS for front-end  
  
Health to money exchange universe - RD  
  
Confusion on schedule   
but meeting tuesday before 1:15 - 2  
  
Ordering Pi? 8 sounds best  
  
Need to design API eventually - next few weeks  
Decide 4 use cases per person and decide what API calls are needed for them

**Determine Next Steps**  
- Meet with Advisor  
- Do report  
- do research on things we dont know  
  
**Determine Use cases:**  
Media Server - play  
Light Control - on  
Scheduler - make plan,   
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