# Pitkin: Secure Journalism

Danny Gibson -- January 21, 2014

### **Description**

- An anonymous app, hosted as a Tor service
- "One stop shop" for journalistic cycle
  - Research
    - Return information from search bar
    - Chat client
  - Save and access work
    - Writing drafts, saving changes
  - Publish
    - Anonymous publishing
    - This might not be a Tor service
    - ie, readers in "regular browsers"
  - Reward
    - Cryptocurrency tipping





i work with a host of people who are struggling to be informed and inform others of the reality of their situations

#### 12:57 PM



it's often the case that journalists in syria, libya, tunisia, etc... are the victims of government surveillance, censorship, incarceration, and even assasination

#### 12:58 PM



even here- the relationship between the intelligence state and journalism has forever changed. the very practice of journalism has become criminalized

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really, the only hope is to develop software tools (read: encryption) that help journalists develop operational security so they can adequately report

### Enter message



### **Justification**

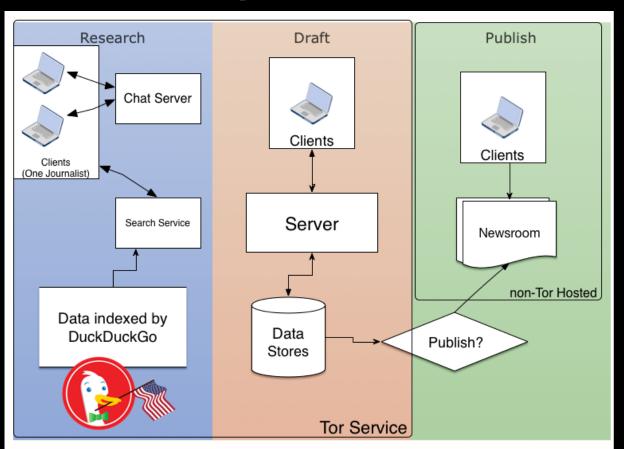
- Incorporate APIs (DuckDuckGo, BitCoin)
- Set up Tor for one or more services
- Write my own API
  - GET on saved data, published pieces
  - POST with drafts
  - etc
- Data structures for storage
- Eye on security,
  - Implement (or at least research and use) a crypto-currency tumbler

### **User's Point of View**

- Research
  - Search bar and results column
  - User defined chat rooms
- Drafting
  - "Blank space" for writing
  - Directory structure UI
- Publish
  - One button publishing
  - Modal to double check for anonymous option
  - Simple blog roll, categorized
  - o Payment by QR code



# **Operations**



## **Technologies**

- Node.JS project
- Tor
- Styling
  - SASS for stylesheets
  - Jade for HTML
  - Maybe Marionette for rendering Views (open to suggestions)
- SublimeText

## Conclusion

- Node Web App
- Chat, search, and drafting provided as a Tor Service
  - o IPs aren't traced
  - User must have Tor enabled
- Reading is a non-Tor web-app, basically a categorized blogroll

# Questions

