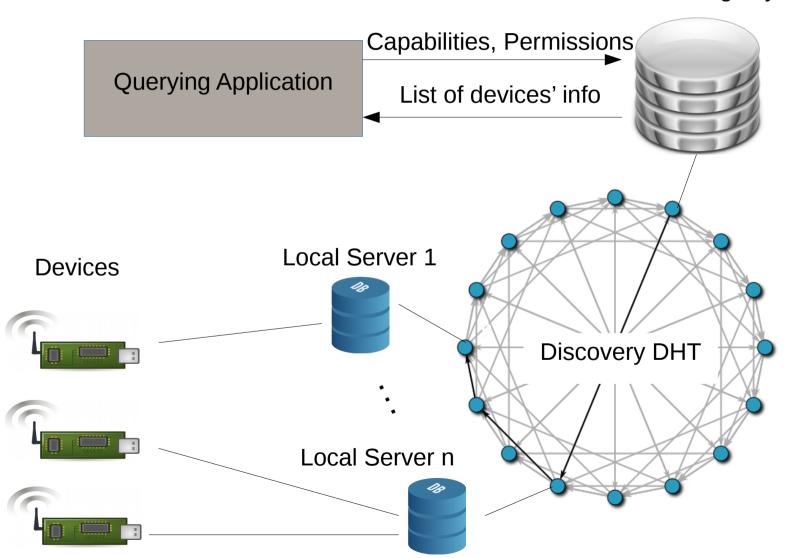
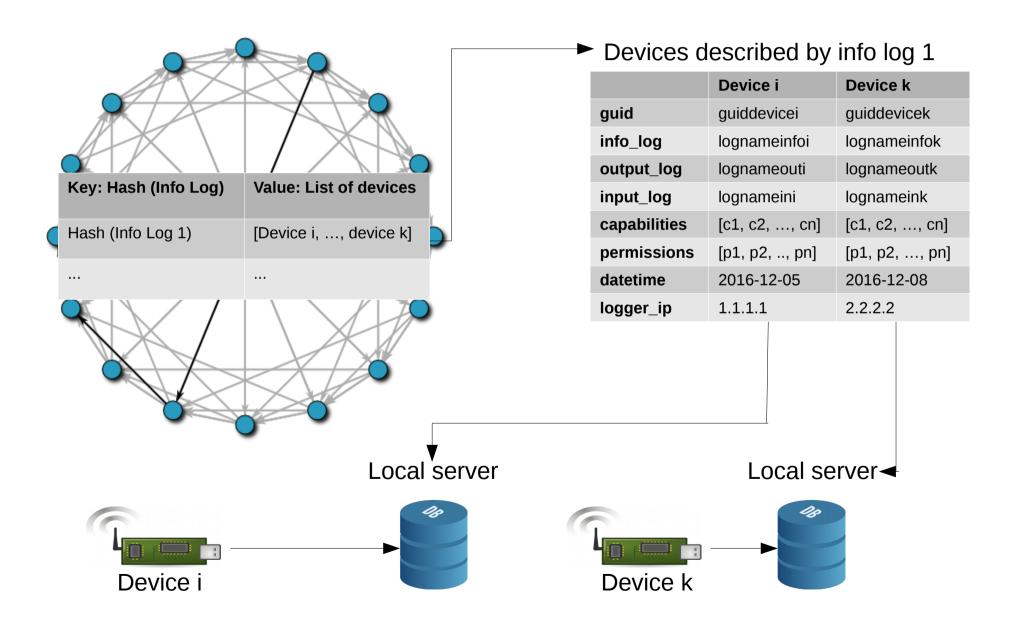
GDP Discovery Service Overview

Query

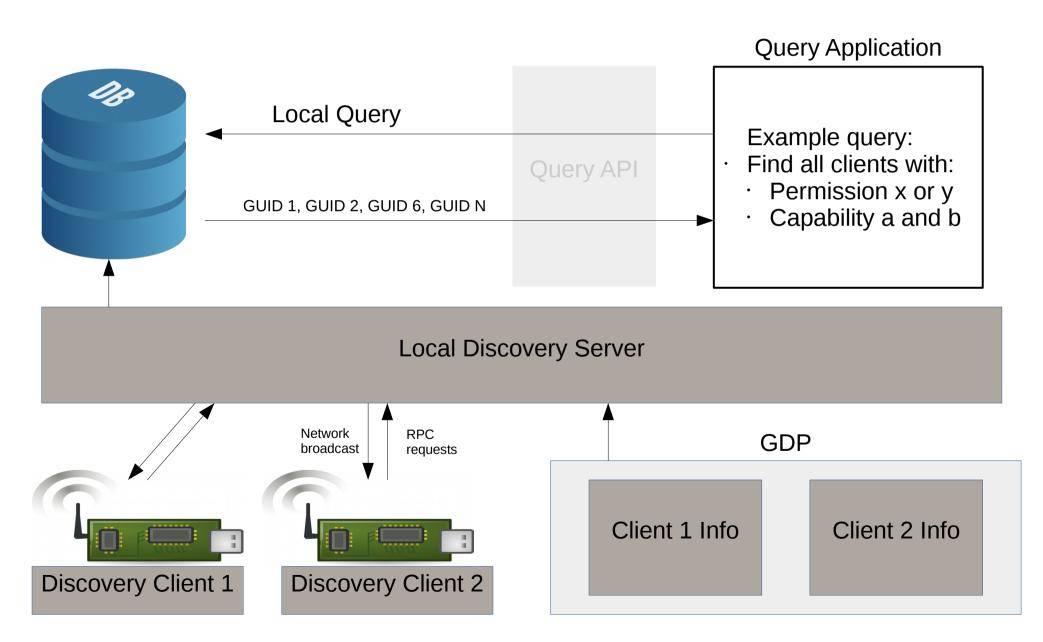
Global Registry



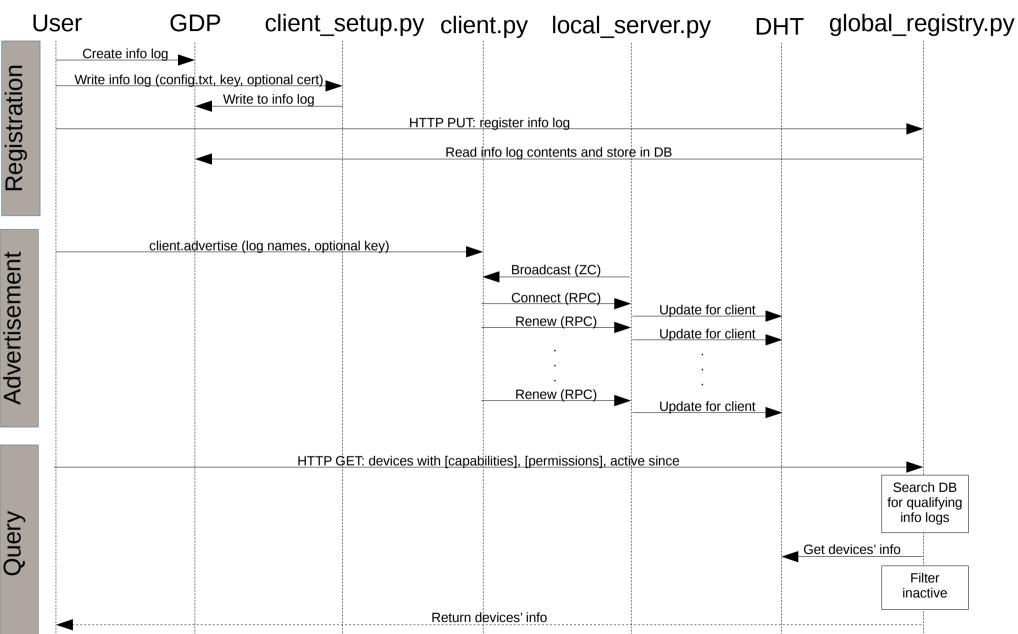
Discovery DHT



Discovery service: current state



Sequence Diagram

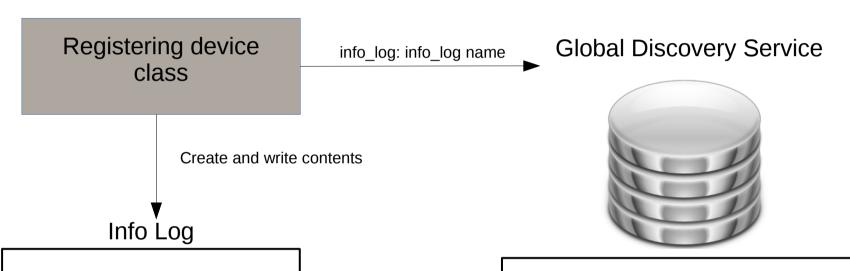


Potential Improvements

- Automate info log creation and registration with the global registry
- Build global registry UI
- Choose ontology and optimize global registry search

Appendix

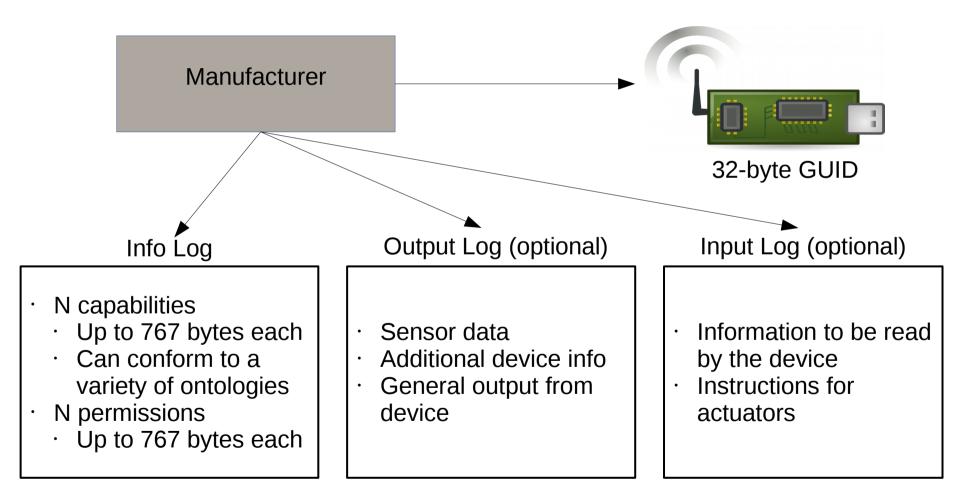
Initial Info Log Registration



- N capabilities
 - · Up to 767 bytes each
 - Can conform to a variety of ontologies
- N permissions
 - · Up to 767 bytes each

- Reads and stores every info log in a MySQL database
- Responds to queries for capabilities and/or permissions with GUIDs and log names associated with devices

Manufacturer/User created logs



^{*}Currently logs must be created manually using GCL create, but a better API should be developed in the future

Using Global Registry API

