Centralised and Decentralised Clouds

managing processing in the context of sensitive data

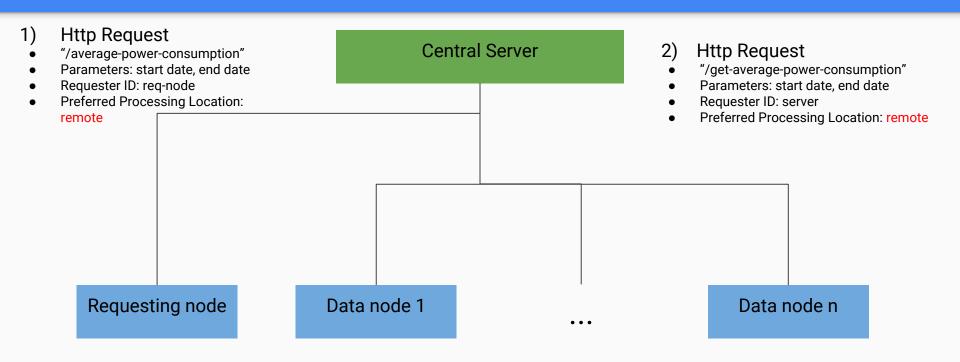
What have I built and why?

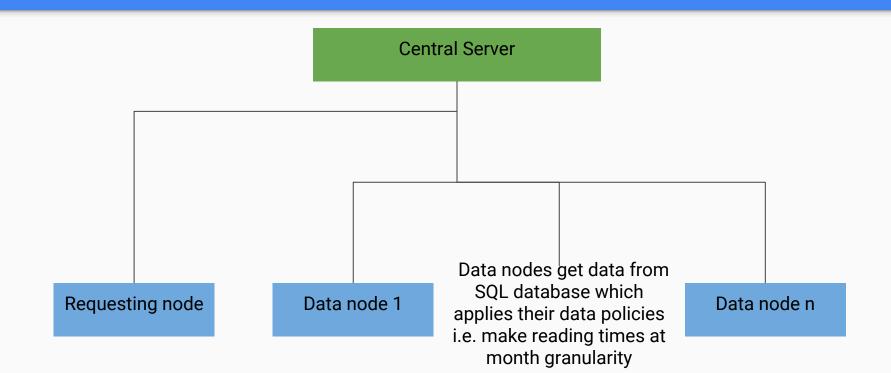
What: a middleware which supports:

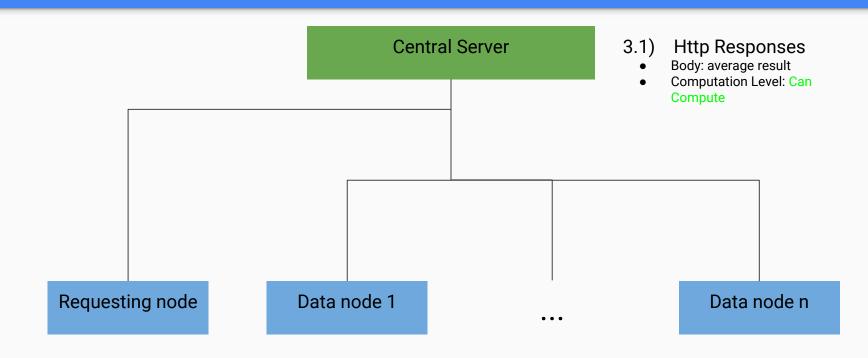
- Request policies for where you would prefer processing to happen
- Computation policies for what a node can compute
- Data policies for what information can be released from a database

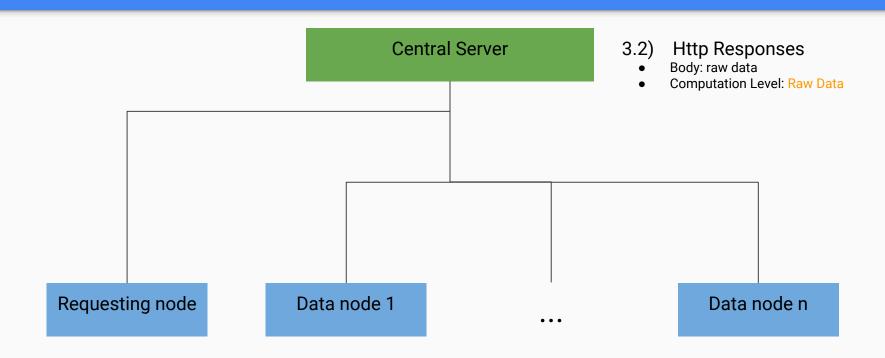
Why: control over processing of data

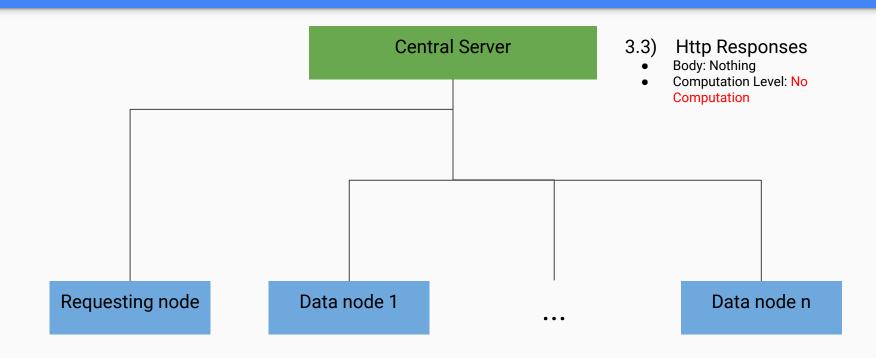
- Nodes in the internet are not homogeneous (i.e. IOT)
- Some people want to keep control of their data

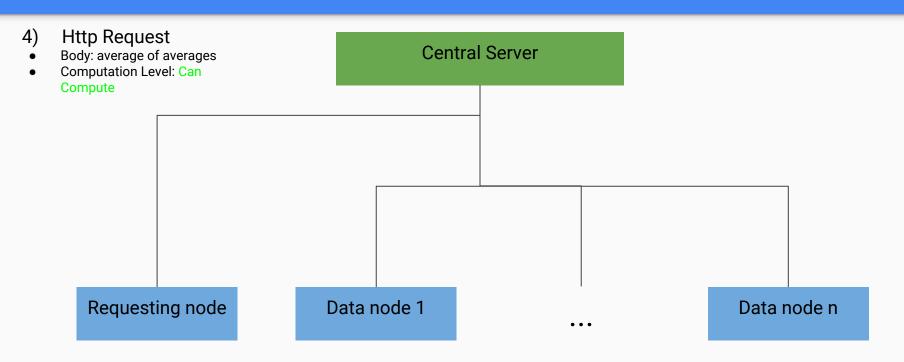












Progress: on schedule

Completed	Yet to complete
Implement a middleware which can support all three types of policies	Implement an example to isolate the effect of the computation/request policies
Implement an example to isolate the effect of data policies	Take data to evaluate the performance overhead of the middleware compared to a baseline system without it
Extend the example to use	
computation/request policies	Evaluate the expressiveness of the middleware policies by finding example real
Compare the latency of the first example to a baseline without the middleware	life failures where a system like this could have helped