

Meeting 2

22nd March 2022

Attendees

- Aidan, Ian

Agenda

- Initial decision on designs
- **Discuss the security of Python**

Decisions

3 data streams (Oxygen, Radiation, Water) — threading

3 channels assed into a queue (Kafka or Mosquito)

DB cache will be a subscriber

PostGres DB surrounded by REST API

Monitoring Web-App

Security Concerns

Web-App — Secure login, restricted IP addresses, logging of users and attempted sign-ins
Account locking policy and prevention of DoS attacks

REST Api — Encrypted HTTP

PostGresDB — Transparent data encryption

Actions

- Investigate producing data streams for Kafka (Aidan)
- PostGres (Ian) Set-up in docker swarm!
- Sequence Diagram (Ian has already designed one for login – look, comment, review)
- Class Diagram ?

Next Meeting

- Weekend — Kauro can choose time. Post on Slack for suggestions.
- Agenda – Work together for short powerpoint of discussion on Slack about security of Python