



Implementation Methodology

Start with building Frontend and Backend. linked together with API calls. Implement MongoDB and create connectors. Containerize each service independently using docker. Images to be deployed on independent servers manually for the trial/testing stage. Meanwhile, kubernetes files are to be developed so that the docker images are deployable on servers later with less effort and manual labour.

Current Integrations/ Configurations

- Attach Cloudflare with frontend server
- Configure Nginx for reverse proxy/ API handling and backend load balancing.
- Connect backend servers with mongodb replica set and configure for scenarios if primary fails.
- Configure for failsafe scenario if primary of replica set fails
- Connect and configure connectors with mongoDB through private IPs

Implement primary Server replica that acts as a failsafe option for frontend server and connectors server