KUZA KIT SOFTWARE

Data from the farms' sensors is relayed to us via the MQTT Protocol and is stored in the cloud. Specifically, we store our data in a PostgreSQL Database hosted on Heroku. This database is queried via our internal APIs and thus enables us to serve our applications and data pipelines more efficiently.

One of our applications is the portal which provides an interface for the farmers to view their data as well as interact with the various sensors and actuators in their farms. Our portal also has 3rd party services integrated for more insightful data. Such services include OpenWeatherMap API, papertrail for extensive logging enabling us to capture anomalies before they wreck havoc, and many more services.

To ensure data integrity e.g. data availability, we have database back up services that frequently monitor our databases and keep back ups in case of failures.

Encryption is also a basic security feature that is implemented across all our products and services.