

Scalable Data Collection from IoT Devices

Client

The client is a leading developer of IoT devices to prove that workplaces around the globe can be made safer by gathering environmental data around workers while they work. Their devices collect a continuous stream of environmental data such as temperature, humidity, air and sound quality.

Challenges

- MakuSafe's backend technology and infrastructure were not scalable as to allow for the reception of a continuous stream of data from all of the different IoT devices over the 1000's of locations simultaneously.
- This caused high risk of invalid data collection and in-turn misleading analytics and recommendations.

Solution

- Navtech transformed the backend architecture of MakuSafe's platform by introducing real-time data streaming.
- Leveraged Amazon Web Services' Kinesis Data Streaming platform and serverless Cloud function technology Lambda; allowing data collection from their IoT devices at higher scale.

Technologies & Platforms

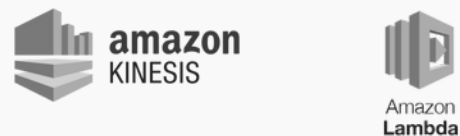
BACKEND



CLOUD SERVICES



TOOLS



Outcome

- MakuSafe was able to stream 100K data points per minute, in the place of 1000 data points before the implementation of the data streaming technology,
- The new technology equipped them with more reliability across the platform and no data loss.; helping them provide more adequate analytics to their customers.

