Case Study:
Asset Management

BUSINESS CASE

Our client is a mid-sized company in the United States. They have requested enhancements to their existing asset management application, to be able to have a centralized view of the connected smart devices. As part of our services offering, NYGCI partnered to provide the solution to the customer that best fits their request.

CHALLENGES

- Offer user authentication while using multiple product APIs
- Existing users of the customer's application should be able to centrally view a list of all supported smart devices in their homes, as well as perform basic operations such as turn On/Off, view device status, etc...

SOLUTION PROPOSED

The proposed solution included:
- User Authentication via the existing user flow
- Adding a middleware for token translation and device-specific authentication
- Adding a view in the customer's application to scan Wi-Fi-connected smart devices and configure them to be managed by the user
- Utilizing Waylay IoT platform to get multiple device APIs and integrate with the existing flow

SOLUTION BENEFITS

- Centralized view and control plane for all devices
- Increased application utilization thanks to the enhanced customer experience
- The gathered insights on the type of connected smart devices allow a better post-sales service by providing available upgrade options and updates

CUSTOMER SATISFACTION

Our Customer was very satisfied with the PoC and has approved starting the work on the final implementation. Our team has already added the option to perform a Wi-Fi scan in order to get a list of the internet-connected devices to the application in production. The final product will include Philips, Nest, and Honeywell APIs.