

Smart Stay

Making Home Stays Smarter

AWS Button

A door bell like sensor device that requests the house for a possible check-in or check-out.



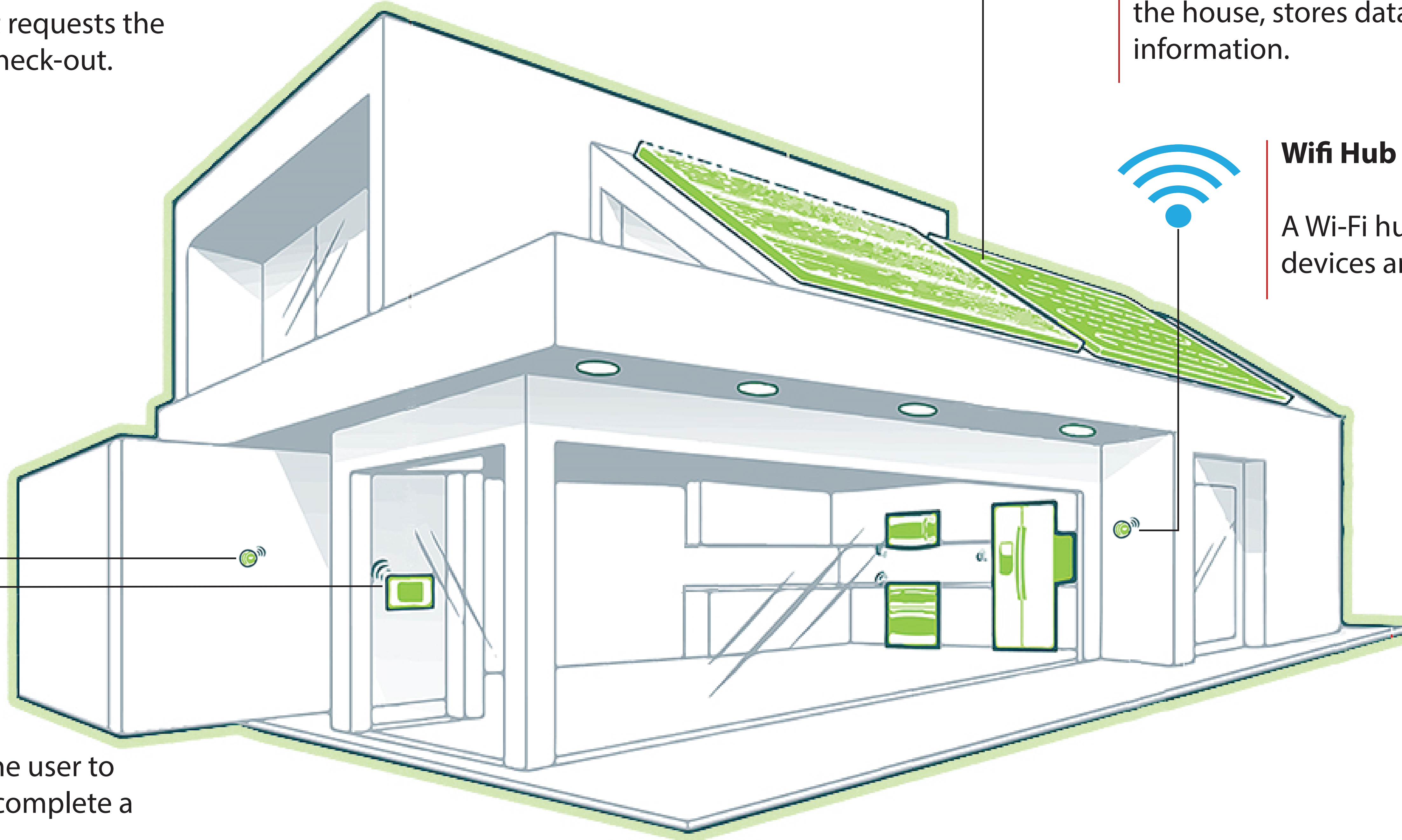
AWS Cloud

A cloud computing platform that receives data from the house, stores data, processes requests, and sends information.



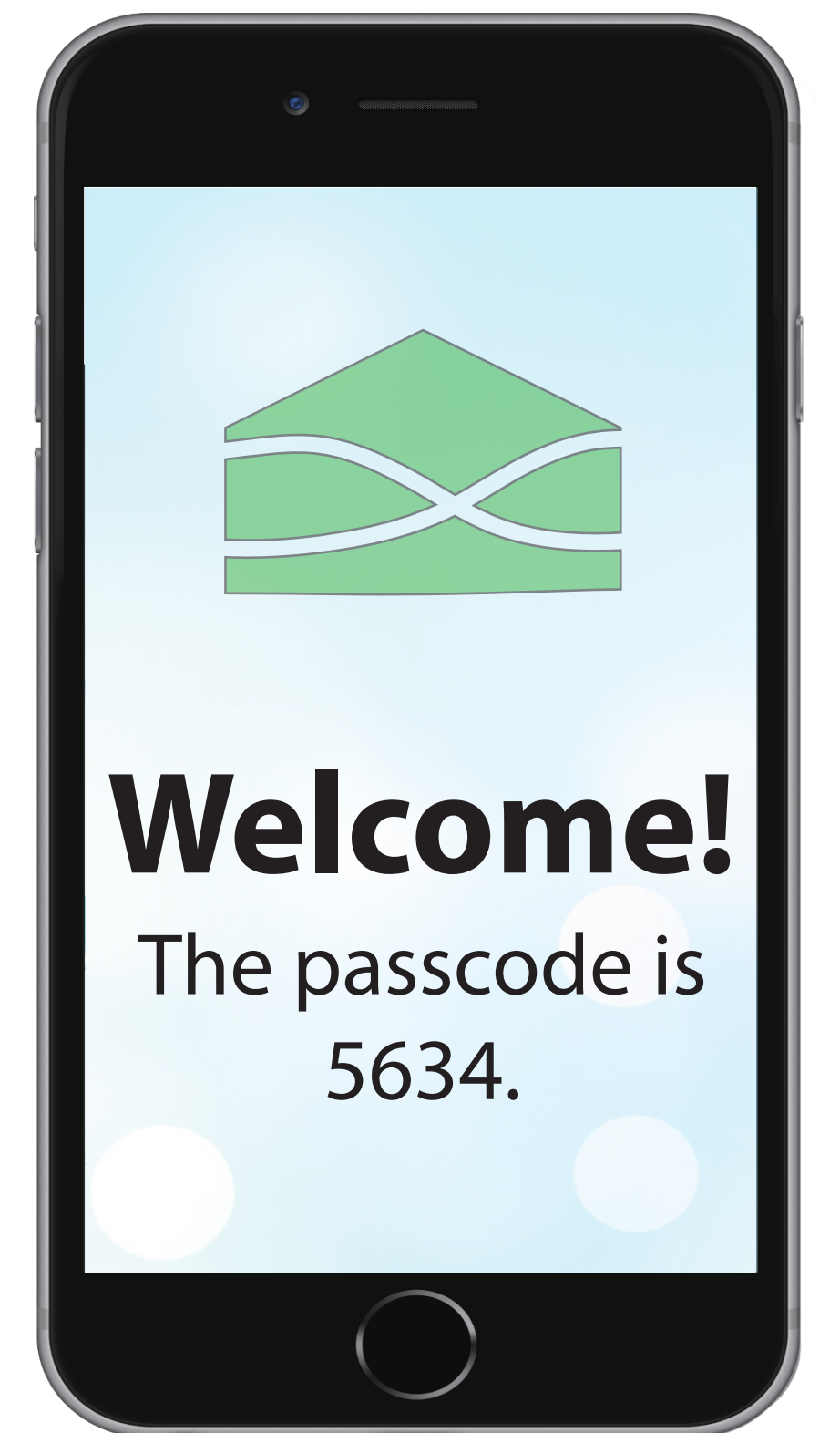
Wifi Hub

A Wi-Fi hub that connects together all the devices and the cloud platform.

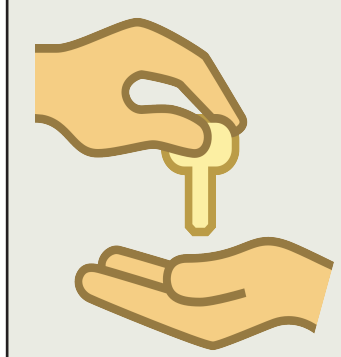


Digital Lock

A digital lock device that allows the user to enter the received passcode and complete a check-in or check-out request.



Problem



Inconvenient Lock & Key System

Guest and host need to communicate.



Absence of Digital Record

No digital record of check-in/check-out.



Weak Security

Physical key copies can be made. For digital lock door, passcode is same for all guests.

Solution



Smart System - IoT Lock and Key

Cloud based lock and unlock.



Digital Record

Digital record of check-in/check out.



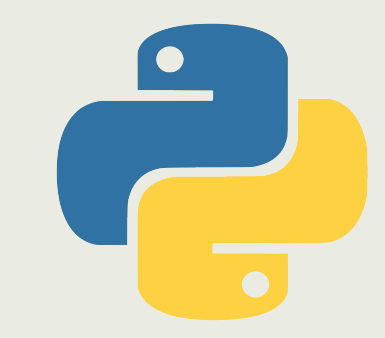
Strong Security

Passcode changes for every booking.

Technology Stack



MySQL



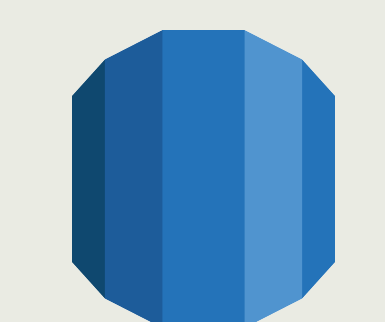
Python



AWS Lambda



AWS SNS



AWS RDS